

# Автоматические выключатели Tmax T T5N, T5S, T5V, T5X

## Технические характеристики

По вопросам продаж и поддержки обращайтесь:

Алматы (727)345-47-04  
Ангарск (3955)60-70-56  
Архангельск (8182)63-90-72  
Астрахань (8512)99-46-04  
Барнаул (3852)73-04-60  
Белгород (4722)40-23-64  
Благовещенск (4162)22-76-07  
Брянск (4832)59-03-52  
Владивосток (423)249-28-31  
Владикавказ (8672)28-90-48  
Владимир (4922)49-43-18  
Волгоград (844)278-03-48  
Вологда (8172)26-41-59  
Воронеж (473)204-51-73  
Екатеринбург (343)384-55-89

Иваново (4932)77-34-06  
Ижевск (3412)26-03-58  
Иркутск (395)279-98-46  
Казань (843)206-01-48  
Калининград (4012)72-03-81  
Калуга (4842)92-23-67  
Кемерово (3842)65-04-62  
Киров (8332)68-02-04  
Коломна (4966)23-41-49  
Кострома (4942)77-07-48  
Краснодар (861)203-40-90  
Красноярск (391)204-63-61  
Курск (4712)77-13-04  
Курган (3522)50-90-47  
Липецк (4742)52-20-81

Магнитогорск (3519)55-03-13  
Москва (495)268-04-70  
Мурманск (8152)59-64-93  
Набережные Челны (8552)20-53-41  
Новокузнецк (3843)20-46-81  
Ноябрьск (3496)41-32-12  
Новосибирск (383)227-86-73  
Омск (3812)21-46-40  
Орел (4862)44-53-42  
Оренбург (3532)37-68-04  
Пенза (8412)22-31-16  
Петрозаводск (8142)55-98-37  
Псков (8112)59-10-37  
Пермь (342)205-81-47

Ростов-на-Дону (863)308-18-15  
Рязань (4912)46-61-64  
Самара (846)206-03-16  
Санкт-Петербург (812)309-46-40  
Саратов (845)249-38-78  
Севастополь (8692)22-31-93  
Саранск (8342)22-96-24  
Симферополь (3652)67-13-56  
Смоленск (4812)29-41-54  
Сочи (862)225-72-31  
Ставрополь (8652)20-65-13  
Сургут (3462)77-98-35  
Сыктывкар (8212)25-95-17  
Тамбов (4752)50-40-97  
Тверь (4822)63-31-35

Тольятти (8482)63-91-07  
Томск (3822)98-41-53  
Тула (4872)33-79-87  
Тюмень (3452)66-21-18  
Улан-Удэ (3012)59-97-51  
Уфа (347)229-48-12  
Хабаровск (4212)92-98-04  
Чебоксары (8352)28-53-07  
Челябинск (351)202-03-61  
Череповец (8202)49-02-64  
Чита (3022)38-34-83  
Якутск (4112)23-90-97  
Ярославль (4852)69-52-93

Россия +7(495)268-04-70

Казахстан +7(727)345-47-04

Беларусь +375-257-127-884

Узбекистан +998(71)205-18-59

Киргизия +996(312)96-26-47

эл.почта: [ahk@nt-rt.ru](mailto:ahk@nt-rt.ru) || сайт: <https://abbswitch.nt-rt.ru>

|  | T5N 400<br>Ekip E-LSIG<br>In=400A 3p<br>F F | T5N 400<br>Ekip E-LSIG<br>In=400A 4p<br>F F | T5N 400<br>Ekip E-LSIG<br>In=320A 3p<br>F F | T5N 400<br>Ekip E-LSIG<br>In=320A 4p<br>F F |
|--|---------------------------------------------|---------------------------------------------|---------------------------------------------|---------------------------------------------|
|--|---------------------------------------------|---------------------------------------------|---------------------------------------------|---------------------------------------------|

Dimensions

|                             |          |          |          |          |
|-----------------------------|----------|----------|----------|----------|
| Product Net Depth / Length: | 103.5 mm | 103.5 mm | 103.5 mm | 103.5 mm |
| Product Net Height:         | 205 mm   | 205 mm   | 205 mm   | 205 mm   |
| Product Net Weight:         | 5.1 kg   | 6.2 kg   | 5.1 kg   | 6.2 kg   |
| Product Net Width:          | 140 mm   | 186 mm   | 140 mm   | 186 mm   |

Container Information

|                                 |             |        |        |        |
|---------------------------------|-------------|--------|--------|--------|
| Package Level 1 Depth / Length: | 286 mm      | 286 mm | 286 mm | 286 mm |
| Package Level 1 EAN:            |             |        |        |        |
| Package Level 1 Gross Weight:   | 5.1 kg      | 6.2 kg | 5.1 kg | 6.2 kg |
| Package Level 1 Height:         | 228 mm      | 228 mm | 228 mm | 228 mm |
| Package Level 1 Units:          | box 1 piece | N/A    | N/A    | N/A    |
| Package Level 1 Width:          | 228 mm      | 228 mm | 228 mm | 228 mm |

Additional Information

|                             |                               |                               |                               |                               |
|-----------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Product Main Type:          | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   |
| Product Name:               | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  |
| Product Type:               | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     |
| Suitable For:               | T5                            | T5                            | T5                            | T5                            |
| Suitable for Product Class: | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers |
| Version:                    | F                             | F                             | F                             | F                             |

Technical

|                                                      |                                    |                                    |                                    |                                    |
|------------------------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| Electrical Durability:                               | 7000 cycle<br>60 cycles per hour   | 7000 cycle<br>60 cycles per hour   | 7000 cycle<br>60 cycles per hour   | 7000 cycle<br>60 cycles per hour   |
| Mechanical Durability:                               | 20000 cycle<br>120 cycles per hour | 20000 cycle<br>120 cycles per hour | 20000 cycle<br>120 cycles per hour | 20000 cycle<br>120 cycles per hour |
| Number of Poles:                                     | 3                                  | 4                                  | 3                                  | 4                                  |
| Rated Current (I <sub>n</sub> ):                     | 400 A                              | 400 A                              | 320 A                              | 320 A                              |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ): | 8 kV                               | 8 kV                               | 8 kV                               | 8 kV                               |
| Rated Insulation Voltage (U <sub>i</sub> ):          | 1000 V                             | 1000 V                             | 1000 V                             | 1000 V                             |
| Rated Operational Voltage:                           | 690 V AC                           | 690 V AC                           | 690 V AC                           | 690 V AC                           |

|                                                                    |                              |                              |                              |                              |
|--------------------------------------------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> ):  | (220 V AC) 70 kA             | (220 V AC) 70 kA             | (220 V AC) 70 kA             | (220 V AC) 70 kA             |
|                                                                    | (230 V AC) 70 kA             | (230 V AC) 70 kA             | (230 V AC) 70 kA             | (230 V AC) 70 kA             |
|                                                                    | (380 V AC) 36 kA             | (380 V AC) 36 kA             | (380 V AC) 36 kA             | (380 V AC) 36 kA             |
|                                                                    | (400 V AC) 36 kA             | (400 V AC) 36 kA             | (400 V AC) 36 kA             | (400 V AC) 36 kA             |
|                                                                    | (415 V AC) 36 kA             | (415 V AC) 36 kA             | (415 V AC) 36 kA             | (415 V AC) 36 kA             |
|                                                                    | (440 V AC) 30 kA             | (440 V AC) 30 kA             | (440 V AC) 30 kA             | (440 V AC) 30 kA             |
|                                                                    | (500 V AC) 25 kA             | (500 V AC) 25 kA             | (500 V AC) 25 kA             | (500 V AC) 25 kA             |
|                                                                    | (690 V AC) 20 kA             | (690 V AC) 20 kA             | (690 V AC) 20 kA             | (690 V AC) 20 kA             |
| Rated Short-time Withstand Current Low Voltage (I <sub>cw</sub> ): | for 1 s 5 kA                 | for 1 s 5 kA                 | for 1 s 5 kA                 | for 1 s 5 kA                 |
| Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> ): | (220 V AC) 70 kA             | (220 V AC) 70 kA             | (220 V AC) 70 kA             | (220 V AC) 70 kA             |
|                                                                    | (230 V AC) 70 kA             | (230 V AC) 70 kA             | (230 V AC) 70 kA             | (230 V AC) 70 kA             |
|                                                                    | (380 V AC) 36 kA             | (380 V AC) 36 kA             | (380 V AC) 36 kA             | (380 V AC) 36 kA             |
|                                                                    | (400 V AC) 36 kA             | (400 V AC) 36 kA             | (400 V AC) 36 kA             | (400 V AC) 36 kA             |
|                                                                    | (415 V AC) 36 kA             | (415 V AC) 36 kA             | (415 V AC) 36 kA             | (415 V AC) 36 kA             |
|                                                                    | (440 V AC) 30 kA             | (440 V AC) 30 kA             | (440 V AC) 30 kA             | (440 V AC) 30 kA             |
|                                                                    | (500 V AC) 25 kA             | (500 V AC) 25 kA             | (500 V AC) 25 kA             | (500 V AC) 25 kA             |
|                                                                    | (690 V AC) 20 kA             | (690 V AC) 20 kA             | (690 V AC) 20 kA             | (690 V AC) 20 kA             |
| Rated Uninterrupted Current (I <sub>u</sub> ):                     | 400 A                        | 400 A                        | 400 A                        | 400 A                        |
| Release:                                                           | Ekip E-LSIG                  | Ekip E-LSIG                  | Ekip E-LSIG                  | Ekip E-LSIG                  |
| Release Type:                                                      | EL                           | EL                           | EL                           | EL                           |
| Short-Circuit Performance Level:                                   | N                            | N                            | N                            | N                            |
| Standards:                                                         | IEC                          | IEC                          | IEC                          | IEC                          |
| Sub-type:                                                          | T5                           | T5                           | T5                           | T5                           |
| Terminal Connection Type:                                          | Fixed Circuit-Breakers Front | Fixed Circuit-Breakers Front | Fixed Circuit-Breakers Front | Fixed Circuit-Breakers Front |



T5N400 MCP-UL/CSA  
PR221DS-I In=300 3p FF



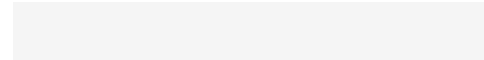
T5N400 MCP-UL/CSA  
PR221DS-I In=400 3p FF

Dimensions

|                             |          |          |
|-----------------------------|----------|----------|
| Product Net Depth / Length: | 103.5 mm | 103.5 mm |
| Product Net Height:         | 205 mm   | 205 mm   |
| Product Net Weight:         | 5.1 kg   | 5.1 kg   |
| Product Net Width:          | 140 mm   | 140 mm   |

Additional Information

|                    |                              |                              |
|--------------------|------------------------------|------------------------------|
| Product Main Type: | SACE Tmax T                  | SACE Tmax T                  |
| Product Name:      | Moulded Case Circuit Breaker | Moulded Case Circuit Breaker |



|                             |                               |                               |
|-----------------------------|-------------------------------|-------------------------------|
| Product Type:               | Automatic Circuit Breaker     | Automatic Circuit Breaker     |
| Suitable For:               | T5                            | T5                            |
| Suitable for Product Class: | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers |
| Version:                    | F                             | F                             |

Technical

|                                                      |                                              |                                               |
|------------------------------------------------------|----------------------------------------------|-----------------------------------------------|
| Mechanical Durability:                               | 20000 cycle<br>120 cycles per hour           | 20000 cycle<br>120 cycles per hour            |
| Number of Poles:                                     | 3                                            | 3                                             |
| Power Loss:                                          | at Rated Operating Conditions per Pole 9.3 W | at Rated Operating Conditions per Pole 16.5 W |
| Rated Current (I <sub>n</sub> ):                     | 300 A                                        | 400 A                                         |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ): | 8 kV                                         | 8 kV                                          |
| Rated Insulation Voltage (U <sub>i</sub> ):          | 1000 V                                       | 1000 V                                        |
| Rated Operational Voltage:                           | 600 V AC                                     | 600 V AC                                      |
| Rated Uninterrupted Current (I <sub>u</sub> ):       | 400 A                                        | 400 A                                         |
| Release:                                             | PR221DS-I                                    | PR221DS-I                                     |
| Release Type:                                        | EL                                           | EL                                            |
| Short-Circuit Performance Level:                     | N                                            | N                                             |
| Standards:                                           | UL                                           | UL                                            |
| Sub-type:                                            | T5                                           | T5                                            |
| Terminal Connection Type:                            | Fixed Circuit-Breakers<br>Front              | Fixed Circuit-Breakers<br>Front               |
| Test Voltage Max (U <sub>test</sub> ):               | 3500 V                                       | 3500 V                                        |

Technical UL/CSA

|                                    |                                                          |                                                          |
|------------------------------------|----------------------------------------------------------|----------------------------------------------------------|
| Interrupting Rating acc. to UL489: | (240 V AC) 65 kA<br>(480 V AC) 25 kA<br>(600 V AC) 18 kA | (240 V AC) 65 kA<br>(480 V AC) 25 kA<br>(600 V AC) 18 kA |
|------------------------------------|----------------------------------------------------------|----------------------------------------------------------|



**T5N 400  
PR221DS-I  
In=400 3p  
F F**

**T5N 400  
PR221DS-I  
In=400 4p  
F F**

**T5N 400  
PR221DS-I  
In=320 4p F  
F**

**T5N 400  
PR221DS-I  
In=320 3p F F**

## Dimensions

|                             |          |          |          |          |
|-----------------------------|----------|----------|----------|----------|
| Product Net Depth / Length: | 103.5 mm | 103.5 mm | 103.5 mm | 103.5 mm |
| Product Net Height:         | 205 mm   | 205 mm   | 205 mm   | 205 mm   |
| Product Net Weight:         | 5.1 kg   | 6.09 kg  | 6.2 kg   | 5.1 kg   |
| Product Net Width:          | 140 mm   | 186 mm   | 186 mm   | 140 mm   |

## Container Information

|                                 |         |         |         |         |
|---------------------------------|---------|---------|---------|---------|
| Package Level 1 Depth / Length: | 285 mm  | 285 mm  | 285 mm  | 285 mm  |
| Package Level 1 EAN:            |         |         |         |         |
| Package Level 1 Gross Weight:   | 5.1 kg  | 6.2 kg  | 6.2 kg  | 5.1 kg  |
| Package Level 1 Height:         | 240 mm  | 240 mm  | 240 mm  | 240 mm  |
| Package Level 1 Units:          | 1 piece | 1 piece | 1 piece | 1 piece |
| Package Level 1 Width:          | 248 mm  | 248 mm  | 248 mm  | 248 mm  |

## Additional Information

|                             |                               |                               |                               |                               |
|-----------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Product Main Type:          | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   |
| Product Name:               | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  |
| Product Type:               | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     |
| Suitable For:               | T5                            | T5                            | T5                            | T5                            |
| Suitable for Product Class: | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers |
| Version:                    | F                             | F                             | F                             | F                             |

## Technical

|                                                   |                                                  |                                                  |                                                  |                                                  |
|---------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|
| Electrical Durability:                            | 7000 cycle<br>60 cycles per hour                 | 7000 cycle<br>60 cycles per hour                 | 7000 cycle<br>60 cycles per hour                 | 7000 cycle<br>60 cycles per hour                 |
| Mechanical Durability:                            | 20000 cycle<br>120 cycles per hour               | 20000 cycle<br>120 cycles per hour               | 20000 cycle<br>120 cycles per hour               | 20000 cycle<br>120 cycles per hour               |
| Number of Poles:                                  | 3                                                | 4                                                | 4                                                | 3                                                |
| Power Loss:                                       | at Rated Operating<br>Conditions per Pole 16.5 W | at Rated Operating<br>Conditions per Pole 16.5 W | at Rated Operating<br>Conditions per Pole 10.6 W | at Rated Operating<br>Conditions per Pole 10.6 W |
| Rated Current ( $I_n$ ):                          | 400 A                                            | 400 A                                            | 320 A                                            | 320 A                                            |
| Rated Impulse Withstand<br>Voltage ( $U_{imp}$ ): | 8 kV                                             | 8 kV                                             | 8 kV                                             | 8 kV                                             |
| Rated Insulation Voltage ( $U_i$ ):               | 1000 V                                           | 1000 V                                           | 1000 V                                           | 1000 V                                           |
| Rated Operational Voltage:                        | 690 V AC                                         | 690 V AC                                         | 690 V AC                                         | 690 V AC                                         |

|                                                                              |                                                                                                                                                              |                                                                                                                                                              |                                                                                                                                                              |                                                                                                                                                              |
|------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Rated Service Short-Circuit Breaking Capacity (<math>I_{cs}</math>):</b>  | (220 V AC) 70 kA<br>(230 V AC) 70 kA<br>(380 V AC) 36 kA<br>(400 V AC) 36 kA<br>(415 V AC) 36 kA<br>(440 V AC) 30 kA<br>(500 V AC) 25 kA<br>(690 V AC) 20 kA | (220 V AC) 70 kA<br>(230 V AC) 70 kA<br>(380 V AC) 36 kA<br>(400 V AC) 36 kA<br>(415 V AC) 36 kA<br>(440 V AC) 30 kA<br>(500 V AC) 25 kA<br>(690 V AC) 20 kA | (220 V AC) 70 kA<br>(230 V AC) 70 kA<br>(380 V AC) 36 kA<br>(400 V AC) 36 kA<br>(415 V AC) 36 kA<br>(440 V AC) 30 kA<br>(500 V AC) 25 kA<br>(690 V AC) 20 kA | (220 V AC) 70 kA<br>(230 V AC) 70 kA<br>(380 V AC) 36 kA<br>(400 V AC) 36 kA<br>(415 V AC) 36 kA<br>(440 V AC) 30 kA<br>(500 V AC) 25 kA<br>(690 V AC) 20 kA |
| <b>Rated Short-time Withstand Current Low Voltage (<math>I_{cw}</math>):</b> | for 1 s 5 kA                                                                                                                                                 | for 1 s 5 kA                                                                                                                                                 | for 1 s 5 kA                                                                                                                                                 | for 1 s 5 kA                                                                                                                                                 |
| <b>Rated Ultimate Short-Circuit Breaking Capacity (<math>I_{cu}</math>):</b> | (220 V AC) 70 kA<br>(230 V AC) 70 kA<br>(380 V AC) 36 kA<br>(400 V AC) 36 kA<br>(415 V AC) 36 kA<br>(440 V AC) 30 kA<br>(500 V AC) 25 kA<br>(690 V AC) 20 kA | (220 V AC) 70 kA<br>(230 V AC) 70 kA<br>(380 V AC) 36 kA<br>(400 V AC) 36 kA<br>(415 V AC) 36 kA<br>(440 V AC) 30 kA<br>(500 V AC) 25 kA<br>(690 V AC) 20 kA | (220 V AC) 70 kA<br>(230 V AC) 70 kA<br>(380 V AC) 36 kA<br>(400 V AC) 36 kA<br>(415 V AC) 36 kA<br>(440 V AC) 30 kA<br>(500 V AC) 25 kA<br>(690 V AC) 20 kA | (220 V AC) 70 kA<br>(230 V AC) 70 kA<br>(380 V AC) 36 kA<br>(400 V AC) 36 kA<br>(415 V AC) 36 kA<br>(440 V AC) 30 kA<br>(500 V AC) 25 kA<br>(690 V AC) 20 kA |
| <b>Rated Uninterrupted Current (<math>I_u</math>):</b>                       | 400 A                                                                                                                                                        | 400 A                                                                                                                                                        | 400 A                                                                                                                                                        | 400 A                                                                                                                                                        |
| <b>Release:</b>                                                              | PR221DS-I                                                                                                                                                    | PR221DS-I                                                                                                                                                    | PR221DS-I                                                                                                                                                    | PR221DS-I                                                                                                                                                    |
| <b>Release Type:</b>                                                         | EL                                                                                                                                                           | EL                                                                                                                                                           | EL                                                                                                                                                           | EL                                                                                                                                                           |
| <b>Short-Circuit Performance Level:</b>                                      | N                                                                                                                                                            | N                                                                                                                                                            | N                                                                                                                                                            | N                                                                                                                                                            |
| <b>Standards:</b>                                                            | IEC                                                                                                                                                          | IEC                                                                                                                                                          | IEC                                                                                                                                                          | IEC                                                                                                                                                          |
| <b>Sub-type:</b>                                                             | T5                                                                                                                                                           | T5                                                                                                                                                           | T5                                                                                                                                                           | T5                                                                                                                                                           |
| <b>Terminal Connection Type:</b>                                             | Fixed Circuit-Breakers Front                                                                                                                                 | Fixed Circuit-Breakers Front                                                                                                                                 | Fixed Circuit-Breakers Front                                                                                                                                 | Fixed Circuit-Breakers Front                                                                                                                                 |
| <b>Test Voltage at Industrial Frequency for 1 Minute:</b>                    | N/A                                                                                                                                                          | 3500 V                                                                                                                                                       | N/A                                                                                                                                                          | N/A                                                                                                                                                          |
| <b>Test Voltage Max (<math>U_{test}</math>):</b>                             | 3500 V                                                                                                                                                       | 3500 V                                                                                                                                                       | 3500 V                                                                                                                                                       | 3500 V                                                                                                                                                       |






T5N 400  
PR221DS-LS/I  
In=400 3p F F

T5N 400  
PR221DS-LS/I  
In=400 4p F F

T5N 400  
PR221DS-LS/I  
In=320 3p F F

T5N 400  
PR221DS-LS/I  
In=320 4p F F

Dimensions

|                                    |          |          |          |          |
|------------------------------------|----------|----------|----------|----------|
| <b>Product Net Depth / Length:</b> | 103.5 mm | 103.5 mm | 103.5 mm | 103.5 mm |
| <b>Product Net Height:</b>         | 205 mm   | 205 mm   | 205 mm   | 205 mm   |
| <b>Product Net Weight:</b>         | 4.841 kg | 6.071 kg | 4.849 kg | 6.2 kg   |
| <b>Product Net Width:</b>          | 140 mm   | 186 mm   | 140 mm   | 186 mm   |

Container Information

|                                 |         |         |         |         |
|---------------------------------|---------|---------|---------|---------|
| Package Level 1 Depth / Length: | 285 mm  | 285 mm  | 285 mm  | 285 mm  |
| Package Level 1 EAN:            |         |         |         |         |
| Package Level 1 Gross Weight:   | 5.1 kg  | 6.6 kg  | 5.1 kg  | 6.2 kg  |
| Package Level 1 Height:         | 240 mm  | 240 mm  | 240 mm  | 240 mm  |
| Package Level 1 Units:          | 1 piece | 1 piece | 1 piece | 1 piece |
| Package Level 1 Width:          | 248 mm  | 248 mm  | 248 mm  | 248 mm  |

Additional Information

|                             |                               |                               |                               |                               |
|-----------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Product Main Type:          | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   |
| Product Name:               | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  |
| Product Type:               | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     |
| Suitable For:               | T5                            | T5                            | T5                            | T5                            |
| Suitable for Product Class: | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers |
| Version:                    | F                             | F                             | F                             | F                             |

Technical

|                                                                    |                                                                                                                                                              |                                                                                                                                                              |                                                                                                                                                              |                                                                                                                                                              |
|--------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical Durability:                                             | 7000 cycle<br>60 cycles per hour                                                                                                                             | 7000 cycle<br>60 cycles per hour                                                                                                                             | 7000 cycle<br>60 cycles per hour                                                                                                                             | 7000 cycle<br>60 cycles per hour                                                                                                                             |
| Mechanical Durability:                                             | 20000 cycle<br>120 cycles per hour                                                                                                                           | 20000 cycle<br>120 cycles per hour                                                                                                                           | 20000 cycle<br>120 cycles per hour                                                                                                                           | 20000 cycle<br>120 cycles per hour                                                                                                                           |
| Number of Poles:                                                   | 3                                                                                                                                                            | 4                                                                                                                                                            | 3                                                                                                                                                            | 4                                                                                                                                                            |
| Power Loss:                                                        | at Rated Operating Conditions per Pole 16.5 W                                                                                                                | at Rated Operating Conditions per Pole 16.5 W                                                                                                                | at Rated Operating Conditions per Pole 10.6 W                                                                                                                | at Rated Operating Conditions per Pole 10.6 W                                                                                                                |
| Rated Current (I <sub>n</sub> ):                                   | 400 A                                                                                                                                                        | 400 A                                                                                                                                                        | 320 A                                                                                                                                                        | 320 A                                                                                                                                                        |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ):               | 8 kV                                                                                                                                                         | 8 kV                                                                                                                                                         | 8 kV                                                                                                                                                         | 8 kV                                                                                                                                                         |
| Rated Insulation Voltage (U <sub>i</sub> ):                        | 1000 V                                                                                                                                                       | 1000 V                                                                                                                                                       | 1000 V                                                                                                                                                       | 1000 V                                                                                                                                                       |
| Rated Operational Voltage:                                         | 690 V AC                                                                                                                                                     | 690 V AC                                                                                                                                                     | 690 V AC                                                                                                                                                     | 690 V AC                                                                                                                                                     |
| Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> ):  | (220 V AC) 70 kA<br>(230 V AC) 70 kA<br>(380 V AC) 36 kA<br>(400 V AC) 36 kA<br>(415 V AC) 36 kA<br>(440 V AC) 30 kA<br>(500 V AC) 25 kA<br>(690 V AC) 20 kA | (220 V AC) 70 kA<br>(230 V AC) 70 kA<br>(380 V AC) 36 kA<br>(400 V AC) 36 kA<br>(415 V AC) 36 kA<br>(440 V AC) 30 kA<br>(500 V AC) 25 kA<br>(690 V AC) 20 kA | (220 V AC) 70 kA<br>(230 V AC) 70 kA<br>(380 V AC) 36 kA<br>(400 V AC) 36 kA<br>(415 V AC) 36 kA<br>(440 V AC) 30 kA<br>(500 V AC) 25 kA<br>(690 V AC) 20 kA | (220 V AC) 70 kA<br>(230 V AC) 70 kA<br>(380 V AC) 36 kA<br>(400 V AC) 36 kA<br>(415 V AC) 36 kA<br>(440 V AC) 30 kA<br>(500 V AC) 25 kA<br>(690 V AC) 20 kA |
| Rated Short-time Withstand Current Low Voltage (I <sub>cw</sub> ): | for 1 s 5 kA                                                                                                                                                 | for 1 s 5 kA                                                                                                                                                 | for 1 s 5 kA                                                                                                                                                 | for 1 s 5 kA                                                                                                                                                 |
| Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> ): | (220 V AC) 70 kA<br>(230 V AC) 70 kA<br>(380 V AC) 36 kA<br>(400 V AC) 36 kA<br>(415 V AC) 36 kA<br>(440 V AC) 30 kA<br>(500 V AC) 25 kA<br>(690 V AC) 20 kA | (220 V AC) 70 kA<br>(230 V AC) 70 kA<br>(380 V AC) 36 kA<br>(400 V AC) 36 kA<br>(415 V AC) 36 kA<br>(440 V AC) 30 kA<br>(500 V AC) 25 kA<br>(690 V AC) 20 kA | (220 V AC) 70 kA<br>(230 V AC) 70 kA<br>(380 V AC) 36 kA<br>(400 V AC) 36 kA<br>(415 V AC) 36 kA<br>(440 V AC) 30 kA<br>(500 V AC) 25 kA<br>(690 V AC) 20 kA | (220 V AC) 70 kA<br>(230 V AC) 70 kA<br>(380 V AC) 36 kA<br>(400 V AC) 36 kA<br>(415 V AC) 36 kA<br>(440 V AC) 30 kA<br>(500 V AC) 25 kA<br>(690 V AC) 20 kA |

|                                                    |                              |                              |                              |                              |
|----------------------------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| Rated Uninterrupted Current (I <sub>u</sub> ):     | 400 A                        | 400 A                        | 400 A                        | 400 A                        |
| Release:                                           | PR221DS-LS/I                 | PR221DS-LS/I                 | PR221DS-LS/I                 | PR221DS-LS/I                 |
| Release Type:                                      | EL                           | EL                           | EL                           | EL                           |
| Short-Circuit Performance Level:                   | N                            | N                            | N                            | N                            |
| Standards:                                         | IEC                          | IEC                          | IEC                          | IEC                          |
| Sub-type:                                          | T5                           | T5                           | T5                           | T5                           |
| Terminal Connection Type:                          | Fixed Circuit-Breakers Front | Fixed Circuit-Breakers Front | Fixed Circuit-Breakers Front | Fixed Circuit-Breakers Front |
| Test Voltage at Industrial Frequency for 1 Minute: | N/A                          | 3500 V                       | 3500 V                       | 3500 V                       |
| Test Voltage Max (U <sub>test</sub> ):             | 3500 V                       | 3500 V                       | 3500 V                       | 3500 V                       |



T5N 400  
PR222DS/P-  
LSIG In=320  
4p F F



T5N 400  
PR222DS/P-  
LSIG In=320  
3p F F



T5N 400  
PR222DS/P-  
LSIG In=400  
4p F F



T5N 400  
PR222DS/P-  
LSIG In=400  
3p F F

### Dimensions

|                             |          |          |          |          |
|-----------------------------|----------|----------|----------|----------|
| Product Net Depth / Length: | 103.5 mm | 103.5 mm | 103.5 mm | 103.5 mm |
| Product Net Height:         | 205 mm   | 205 mm   | 205 mm   | 205 mm   |
| Product Net Weight:         | 6.2 kg   | 5.1 kg   | 6.2 kg   | 5.1 kg   |
| Product Net Width:          | 186 mm   | 140 mm   | 186 mm   | 140 mm   |

### Container Information

|                                 |         |         |         |         |
|---------------------------------|---------|---------|---------|---------|
| Package Level 1 Depth / Length: | 285 mm  | 285 mm  | 285 mm  | 285 mm  |
| Package Level 1 EAN:            |         |         |         |         |
| Package Level 1 Gross Weight:   | 6.2 kg  | 5.1 kg  | 6.2 kg  | 5.1 kg  |
| Package Level 1 Height:         | 240 mm  | 240 mm  | 240 mm  | 240 mm  |
| Package Level 1 Units:          | 1 piece | 1 piece | 1 piece | 1 piece |
| Package Level 1 Width:          | 248 mm  | 248 mm  | 248 mm  | 248 mm  |

### Additional Information

|                    |                              |                              |                              |                              |
|--------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| Product Main Type: | SACE Tmax T                  | SACE Tmax T                  | SACE Tmax T                  | SACE Tmax T                  |
| Product Name:      | Moulded Case Circuit Breaker | Moulded Case Circuit Breaker | Moulded Case Circuit Breaker | Moulded Case Circuit Breaker |
| Product Type:      | Automatic Circuit Breaker    | Automatic Circuit Breaker    | Automatic Circuit Breaker    | Automatic Circuit Breaker    |

|                             |                               |                               |                               |                               |
|-----------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Suitable For:               | T5                            | T5                            | T5                            | T5                            |
| Suitable for Product Class: | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers |
| Version:                    | F                             | F                             | F                             | F                             |

Technical

|                                                                    |                                                                                                                                                              |                                                                                                                                                              |                                                                                                                                                              |                                                                                                                                                              |
|--------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical Durability:                                             | 7000 cycle<br>60 cycles per hour                                                                                                                             | 7000 cycle<br>60 cycles per hour                                                                                                                             | 7000 cycle<br>60 cycles per hour                                                                                                                             | 7000 cycle<br>60 cycles per hour                                                                                                                             |
| Mechanical Durability:                                             | 20000 cycle<br>120 cycles per hour                                                                                                                           | 20000 cycle<br>120 cycles per hour                                                                                                                           | 20000 cycle<br>120 cycles per hour                                                                                                                           | 20000 cycle<br>120 cycles per hour                                                                                                                           |
| Number of Poles:                                                   | 4                                                                                                                                                            | 3                                                                                                                                                            | 4                                                                                                                                                            | 3                                                                                                                                                            |
| Power Loss:                                                        | at Rated Operating Conditions per Pole 10.6 W                                                                                                                | at Rated Operating Conditions per Pole 10.6 W                                                                                                                | at Rated Operating Conditions per Pole 16.5 W                                                                                                                | at Rated Operating Conditions per Pole 16.5 W                                                                                                                |
| Rated Current (I <sub>n</sub> ):                                   | 320 A                                                                                                                                                        | 320 A                                                                                                                                                        | 400 A                                                                                                                                                        | 400 A                                                                                                                                                        |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ):               | 8 kV                                                                                                                                                         | 8 kV                                                                                                                                                         | 8 kV                                                                                                                                                         | 8 kV                                                                                                                                                         |
| Rated Insulation Voltage (U <sub>i</sub> ):                        | 1000 V                                                                                                                                                       | 1000 V                                                                                                                                                       | 1000 V                                                                                                                                                       | 1000 V                                                                                                                                                       |
| Rated Operational Voltage:                                         | 690 V AC                                                                                                                                                     | 690 V AC                                                                                                                                                     | 690 V AC                                                                                                                                                     | 690 V AC                                                                                                                                                     |
| Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> ):  | (220 V AC) 70 kA<br>(230 V AC) 70 kA<br>(380 V AC) 36 kA<br>(400 V AC) 36 kA<br>(415 V AC) 36 kA<br>(440 V AC) 30 kA<br>(500 V AC) 25 kA<br>(690 V AC) 20 kA | (220 V AC) 70 kA<br>(230 V AC) 70 kA<br>(380 V AC) 36 kA<br>(400 V AC) 36 kA<br>(415 V AC) 36 kA<br>(440 V AC) 30 kA<br>(500 V AC) 25 kA<br>(690 V AC) 20 kA | (220 V AC) 70 kA<br>(230 V AC) 70 kA<br>(380 V AC) 36 kA<br>(400 V AC) 36 kA<br>(415 V AC) 36 kA<br>(440 V AC) 30 kA<br>(500 V AC) 25 kA<br>(690 V AC) 20 kA | (220 V AC) 70 kA<br>(230 V AC) 70 kA<br>(380 V AC) 36 kA<br>(400 V AC) 36 kA<br>(415 V AC) 36 kA<br>(440 V AC) 30 kA<br>(500 V AC) 25 kA<br>(690 V AC) 20 kA |
| Rated Short-time Withstand Current Low Voltage (I <sub>cw</sub> ): | for 1 s 5 kA                                                                                                                                                 | for 1 s 5 kA                                                                                                                                                 | for 1 s 5 kA                                                                                                                                                 | for 1 s 5 kA                                                                                                                                                 |
| Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> ): | (220 V AC) 70 kA<br>(230 V AC) 70 kA<br>(380 V AC) 36 kA<br>(400 V AC) 36 kA<br>(415 V AC) 36 kA<br>(440 V AC) 30 kA<br>(500 V AC) 25 kA<br>(690 V AC) 20 kA | (220 V AC) 70 kA<br>(230 V AC) 70 kA<br>(380 V AC) 36 kA<br>(400 V AC) 36 kA<br>(415 V AC) 36 kA<br>(440 V AC) 30 kA<br>(500 V AC) 25 kA<br>(690 V AC) 20 kA | (220 V AC) 70 kA<br>(230 V AC) 70 kA<br>(380 V AC) 36 kA<br>(400 V AC) 36 kA<br>(415 V AC) 36 kA<br>(440 V AC) 30 kA<br>(500 V AC) 25 kA<br>(690 V AC) 20 kA | (220 V AC) 70 kA<br>(230 V AC) 70 kA<br>(380 V AC) 36 kA<br>(400 V AC) 36 kA<br>(415 V AC) 36 kA<br>(440 V AC) 30 kA<br>(500 V AC) 25 kA<br>(690 V AC) 20 kA |
| Rated Uninterrupted Current (I <sub>u</sub> ):                     | 400 A                                                                                                                                                        | 400 A                                                                                                                                                        | 400 A                                                                                                                                                        | 400 A                                                                                                                                                        |
| Release:                                                           | PR222DS/P-LSIG                                                                                                                                               | PR222DS/P-LSIG                                                                                                                                               | PR222DS/P-LSIG                                                                                                                                               | PR222DS/P-LSIG                                                                                                                                               |
| Release Type:                                                      | EL                                                                                                                                                           | EL                                                                                                                                                           | EL                                                                                                                                                           | EL                                                                                                                                                           |
| Short-Circuit Performance Level:                                   | N                                                                                                                                                            | N                                                                                                                                                            | N                                                                                                                                                            | N                                                                                                                                                            |
| Standards:                                                         | IEC                                                                                                                                                          | IEC                                                                                                                                                          | IEC                                                                                                                                                          | IEC                                                                                                                                                          |
| Sub-type:                                                          | T5                                                                                                                                                           | T5                                                                                                                                                           | T5                                                                                                                                                           | T5                                                                                                                                                           |
| Terminal Connection Type:                                          | Fixed Circuit-Breakers Front                                                                                                                                 | Fixed Circuit-Breakers Front                                                                                                                                 | Fixed Circuit-Breakers Front                                                                                                                                 | Fixed Circuit-Breakers Front                                                                                                                                 |
| Test Voltage at Industrial Frequency for 1 Minute:                 | 3500 V                                                                                                                                                       | N/A                                                                                                                                                          | 3500 V                                                                                                                                                       | 3500 V                                                                                                                                                       |
| Test Voltage Max (U <sub>test</sub> ):                             | 3500 V                                                                                                                                                       | 3500 V                                                                                                                                                       | 3500 V                                                                                                                                                       | 3500 V                                                                                                                                                       |



**T5N 400  
PR222DS/P-  
LSI In=400 4p  
F F**



**T5N 400  
PR222DS/P-  
LSI In=400 3p  
F F**



**T5N 400  
PR222DS/P-  
LSI In=320 4p  
F F**



**T5N 400  
PR222DS/P-LSI  
In=320 3p F F**

**Dimensions**

|                                    |          |          |          |          |
|------------------------------------|----------|----------|----------|----------|
| <b>Product Net Depth / Length:</b> | 103.5 mm | 103.5 mm | 103.5 mm | 103.5 mm |
| <b>Product Net Height:</b>         | 205 mm   | 205 mm   | 205 mm   | 205 mm   |
| <b>Product Net Weight:</b>         | 6.2 kg   | 4.837 kg | 6.2 kg   | 5.1 kg   |
| <b>Product Net Width:</b>          | 186 mm   | 140 mm   | 186 mm   | 140 mm   |

**Container Information**

|                                        |         |         |         |         |
|----------------------------------------|---------|---------|---------|---------|
| <b>Package Level 1 Depth / Length:</b> | 285 mm  | 285 mm  | 285 mm  | 285 mm  |
| <b>Package Level 1 EAN:</b>            |         |         |         |         |
| <b>Package Level 1 Gross Weight:</b>   | 6.2 kg  | 5.1 kg  | 6.2 kg  | 5.1 kg  |
| <b>Package Level 1 Height:</b>         | 240 mm  | 240 mm  | 240 mm  | 240 mm  |
| <b>Package Level 1 Units:</b>          | 1 piece | 1 piece | 1 piece | 1 piece |
| <b>Package Level 1 Width:</b>          | 248 mm  | 248 mm  | 248 mm  | 248 mm  |

**Additional Information**

|                                    |                               |                               |                               |                               |
|------------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| <b>Product Main Type:</b>          | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   |
| <b>Product Name:</b>               | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  |
| <b>Product Type:</b>               | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     |
| <b>Suitable For:</b>               | T5                            | T5                            | T5                            | T5                            |
| <b>Suitable for Product Class:</b> | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers |
| <b>Version:</b>                    | F                             | F                             | F                             | F                             |

**Technical**

|                                                           |                                               |                                               |                                               |                                               |
|-----------------------------------------------------------|-----------------------------------------------|-----------------------------------------------|-----------------------------------------------|-----------------------------------------------|
| <b>Electrical Durability:</b>                             | 7000 cycle<br>60 cycles per hour              | 7000 cycle<br>60 cycles per hour              | 7000 cycle<br>60 cycles per hour              | 7000 cycle<br>60 cycles per hour              |
| <b>Mechanical Durability:</b>                             | 20000 cycle<br>120 cycles per hour            | 20000 cycle<br>120 cycles per hour            | 20000 cycle<br>120 cycles per hour            | 20000 cycle<br>120 cycles per hour            |
| <b>Number of Poles:</b>                                   | 4                                             | 3                                             | 4                                             | 3                                             |
| <b>Power Loss:</b>                                        | at Rated Operating Conditions per Pole 16.5 W | at Rated Operating Conditions per Pole 16.5 W | at Rated Operating Conditions per Pole 10.6 W | at Rated Operating Conditions per Pole 10.6 W |
| <b>Rated Current (I<sub>n</sub>):</b>                     | 400 A                                         | 400 A                                         | 320 A                                         | 320 A                                         |
| <b>Rated Impulse Withstand Voltage (U<sub>imp</sub>):</b> | 8 kV                                          | 8 kV                                          | 8 kV                                          | 8 kV                                          |
| <b>Rated Insulation Voltage (U<sub>i</sub>):</b>          | 1000 V                                        | 1000 V                                        | 1000 V                                        | 1000 V                                        |
| <b>Rated Operational Voltage:</b>                         | 690 V AC                                      | 690 V AC                                      | 690 V AC                                      | 690 V AC                                      |

|                                                                    |                                                                                                                                                              |                                                                                                                                                              |                                                                                                                                                              |                                                                                                                                                              |
|--------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> ):  | (220 V AC) 70 kA<br>(230 V AC) 70 kA<br>(380 V AC) 36 kA<br>(400 V AC) 36 kA<br>(415 V AC) 36 kA<br>(440 V AC) 30 kA<br>(500 V AC) 25 kA<br>(690 V AC) 20 kA | (220 V AC) 70 kA<br>(230 V AC) 70 kA<br>(380 V AC) 36 kA<br>(400 V AC) 36 kA<br>(415 V AC) 36 kA<br>(440 V AC) 30 kA<br>(500 V AC) 25 kA<br>(690 V AC) 20 kA | (220 V AC) 70 kA<br>(230 V AC) 70 kA<br>(380 V AC) 36 kA<br>(400 V AC) 36 kA<br>(415 V AC) 36 kA<br>(440 V AC) 30 kA<br>(500 V AC) 25 kA<br>(690 V AC) 20 kA | (220 V AC) 70 kA<br>(230 V AC) 70 kA<br>(380 V AC) 36 kA<br>(400 V AC) 36 kA<br>(415 V AC) 36 kA<br>(440 V AC) 30 kA<br>(500 V AC) 25 kA<br>(690 V AC) 20 kA |
| Rated Short-time Withstand Current Low Voltage (I <sub>cw</sub> ): | for 1 s 5 kA                                                                                                                                                 | for 1 s 5 kA                                                                                                                                                 | for 1 s 5 kA                                                                                                                                                 | for 1 s 5 kA                                                                                                                                                 |
| Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> ): | (220 V AC) 70 kA<br>(230 V AC) 70 kA<br>(380 V AC) 36 kA<br>(400 V AC) 36 kA<br>(415 V AC) 36 kA<br>(440 V AC) 30 kA<br>(500 V AC) 25 kA<br>(690 V AC) 20 kA | (220 V AC) 70 kA<br>(230 V AC) 70 kA<br>(380 V AC) 36 kA<br>(400 V AC) 36 kA<br>(415 V AC) 36 kA<br>(440 V AC) 30 kA<br>(500 V AC) 25 kA<br>(690 V AC) 20 kA | (220 V AC) 70 kA<br>(230 V AC) 70 kA<br>(380 V AC) 36 kA<br>(400 V AC) 36 kA<br>(415 V AC) 36 kA<br>(440 V AC) 30 kA<br>(500 V AC) 25 kA<br>(690 V AC) 20 kA | (220 V AC) 70 kA<br>(230 V AC) 70 kA<br>(380 V AC) 36 kA<br>(400 V AC) 36 kA<br>(415 V AC) 36 kA<br>(440 V AC) 30 kA<br>(500 V AC) 25 kA<br>(690 V AC) 20 kA |
| Rated Uninterrupted Current (I <sub>u</sub> ):                     | 400 A                                                                                                                                                        | 400 A                                                                                                                                                        | 400 A                                                                                                                                                        | 400 A                                                                                                                                                        |
| Release:                                                           | PR222DS/P-LSI                                                                                                                                                | PR222DS/P-LSI                                                                                                                                                | PR222DS/P-LSI                                                                                                                                                | PR222DS/P-LSI                                                                                                                                                |
| Release Type:                                                      | EL                                                                                                                                                           | EL                                                                                                                                                           | EL                                                                                                                                                           | EL                                                                                                                                                           |
| Short-Circuit Performance Level:                                   | N                                                                                                                                                            | N                                                                                                                                                            | N                                                                                                                                                            | N                                                                                                                                                            |
| Standards:                                                         | IEC                                                                                                                                                          | IEC                                                                                                                                                          | IEC                                                                                                                                                          | IEC                                                                                                                                                          |
| Sub-type:                                                          | T5                                                                                                                                                           | T5                                                                                                                                                           | T5                                                                                                                                                           | T5                                                                                                                                                           |
| Terminal Connection Type:                                          | Fixed Circuit-Breakers Front                                                                                                                                 | Fixed Circuit-Breakers Front                                                                                                                                 | Fixed Circuit-Breakers Front                                                                                                                                 | Fixed Circuit-Breakers Front                                                                                                                                 |
| Test Voltage at Industrial Frequency for 1 Minute:                 | 3500 V                                                                                                                                                       | 3500 V                                                                                                                                                       | 3500 V                                                                                                                                                       | N/A                                                                                                                                                          |
| Test Voltage Max (U <sub>test</sub> ):                             | 3500 V                                                                                                                                                       | 3500 V                                                                                                                                                       | 3500 V                                                                                                                                                       | 3500 V                                                                                                                                                       |



T5N 400 TMA 320-3200  
3p F F



T5N 400 TMA 320-3200  
4p F F

Dimensions

|                             |          |          |
|-----------------------------|----------|----------|
| Product Net Depth / Length: | 103.5 mm | 103.5 mm |
| Product Net Height:         | 205 mm   | 205 mm   |
| Product Net Weight:         | 4.494 kg | 5.8 kg   |
| Product Net Width:          | 140 mm   | 186 mm   |

Container Information

|                                 |        |        |
|---------------------------------|--------|--------|
| Package Level 1 Depth / Length: | 285 mm | 285 mm |
|---------------------------------|--------|--------|

|                               |         |         |
|-------------------------------|---------|---------|
| Package Level 1 Gross Weight: | 4.8 kg  | 5.8 kg  |
| Package Level 1 Height:       | 240 mm  | 240 mm  |
| Package Level 1 Units:        | 1 piece | 1 piece |
| Package Level 1 Width:        | 248 mm  | 248 mm  |

Additional Information

|                             |                               |                               |
|-----------------------------|-------------------------------|-------------------------------|
| Product Main Type:          | SACE Tmax T                   | SACE Tmax T                   |
| Product Name:               | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  |
| Product Type:               | Automatic Circuit Breaker     | Automatic Circuit Breaker     |
| Suitable For:               | T5                            | T5                            |
| Suitable for Product Class: | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers |
| Version:                    | F                             | F                             |

Technical

|                                                                    |                                                                                                                                                              |                                                                                                                                                              |
|--------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical Durability:                                             | 7000 cycle<br>60 cycles per hour                                                                                                                             | 7000 cycle<br>60 cycles per hour                                                                                                                             |
| Mechanical Durability:                                             | 20000 cycle<br>120 cycles per hour                                                                                                                           | 20000 cycle<br>120 cycles per hour                                                                                                                           |
| Number of Poles:                                                   | 3                                                                                                                                                            | 4                                                                                                                                                            |
| Power Loss:                                                        | at Rated Operating Conditions per Pole 13.6 W                                                                                                                | at Rated Operating Conditions per Pole 13.6 W                                                                                                                |
| Rated Current (I <sub>n</sub> ):                                   | 320 A                                                                                                                                                        | 320 A                                                                                                                                                        |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ):               | 8 kV                                                                                                                                                         | 8 kV                                                                                                                                                         |
| Rated Insulation Voltage (U <sub>i</sub> ):                        | 1000 V                                                                                                                                                       | 1000 V                                                                                                                                                       |
| Rated Operational Voltage:                                         | 690 V AC<br>750 V DC                                                                                                                                         | 690 V AC<br>750 V DC                                                                                                                                         |
| Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> ):  | (220 V AC) 70 kA<br>(230 V AC) 70 kA<br>(380 V AC) 36 kA<br>(400 V AC) 36 kA<br>(415 V AC) 36 kA<br>(440 V AC) 30 kA<br>(500 V AC) 25 kA<br>(690 V AC) 20 kA | (220 V AC) 70 kA<br>(230 V AC) 70 kA<br>(380 V AC) 36 kA<br>(400 V AC) 36 kA<br>(415 V AC) 36 kA<br>(440 V AC) 30 kA<br>(500 V AC) 25 kA<br>(690 V AC) 20 kA |
| Rated Short-time Withstand Current Low Voltage (I <sub>cw</sub> ): | for 1 s 5 kA                                                                                                                                                 | for 1 s 5 kA                                                                                                                                                 |

|                                                                    |                                    |                                    |
|--------------------------------------------------------------------|------------------------------------|------------------------------------|
| Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> ): | (220 V AC) 70 kA                   | (220 V AC) 70 kA                   |
|                                                                    | (230 V AC) 70 kA                   | (230 V AC) 70 kA                   |
|                                                                    | (380 V AC) 36 kA                   | (380 V AC) 36 kA                   |
|                                                                    | (400 V AC) 36 kA                   | (400 V AC) 36 kA                   |
|                                                                    | (415 V AC) 36 kA                   | (415 V AC) 36 kA                   |
|                                                                    | (440 V AC) 30 kA                   | (440 V AC) 30 kA                   |
|                                                                    | (500 V AC) 25 kA                   | (500 V AC) 25 kA                   |
|                                                                    | (690 V AC) 20 kA                   | (690 V AC) 20 kA                   |
| Rated Uninterrupted Current (I <sub>u</sub> ):                     | (250 V DC) 2 Poles in Series 36 kA | (250 V DC) 2 Poles in Series 36 kA |
|                                                                    | (500 V DC) 2 Poles in Series 25 kA | (500 V DC) 2 Poles in Series 25 kA |
|                                                                    | (750 V DC) 3 Poles in Series 16 kA | (750 V DC) 3 Poles in Series 16 kA |
| Release:                                                           | 400 A                              | 400 A                              |
| Release Type:                                                      | TMA                                | TMA                                |
| Short-Circuit Performance Level:                                   | TM                                 | TM                                 |
| Standards:                                                         | N                                  | N                                  |
| Sub-type:                                                          | IEC                                | IEC                                |
| Terminal Connection Type:                                          | T5                                 | T5                                 |
| Test Voltage at Industrial Frequency for 1 Minute:                 | Fixed Circuit-Breakers Front       | Fixed Circuit-Breakers Front       |
| Test Voltage Max (U <sub>test</sub> ):                             | 3500 V                             | 3500 V                             |



T5N 400 TMA 400-4000  
3p F F



T5N 400 TMA 400-4000 4p F  
F

Dimensions

|                             |          |          |
|-----------------------------|----------|----------|
| Product Net Depth / Length: | 103.5 mm | 103.5 mm |
| Product Net Height:         | 205 mm   | 205 mm   |
| Product Net Weight:         | 4.549 kg | 5.8 kg   |

|                    |        |        |
|--------------------|--------|--------|
| Product Net Width: | 140 mm | 186 mm |
|--------------------|--------|--------|

### Container Information

|                                 |         |         |
|---------------------------------|---------|---------|
| Package Level 1 Depth / Length: | 285 mm  | 285 mm  |
| Package Level 1 EAN:            |         |         |
| Package Level 1 Gross Weight:   | 5.03 kg | 5.8 kg  |
| Package Level 1 Height:         | 240 mm  | 240 mm  |
| Package Level 1 Units:          | 1 piece | 1 piece |
| Package Level 1 Width:          | 248 mm  | 248 mm  |

### Additional Information

|                             |                               |                               |
|-----------------------------|-------------------------------|-------------------------------|
| Product Main Type:          | SACE Tmax T                   | SACE Tmax T                   |
| Product Name:               | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  |
| Product Type:               | Automatic Circuit Breaker     | Automatic Circuit Breaker     |
| Suitable For:               | T5                            | T5                            |
| Suitable for Product Class: | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers |
| Version:                    | F                             | F                             |

### Technical

|                                                                   |                                                                                                                                                              |                                                                                                                                                              |
|-------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical Durability:                                            | 7000 cycle<br>60 cycles per hour                                                                                                                             | 7000 cycle<br>60 cycles per hour                                                                                                                             |
| Mechanical Durability:                                            | 20000 cycle<br>120 cycles per hour                                                                                                                           | 20000 cycle<br>120 cycles per hour                                                                                                                           |
| Number of Poles:                                                  | 3                                                                                                                                                            | 4                                                                                                                                                            |
| Power Loss:                                                       | at Rated Operating Conditions per Pole 19.5 W                                                                                                                | at Rated Operating Conditions per Pole 19.5 W                                                                                                                |
| Rated Current (I <sub>n</sub> ):                                  | 400 A                                                                                                                                                        | 400 A                                                                                                                                                        |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ):              | 8 kV                                                                                                                                                         | 8 kV                                                                                                                                                         |
| Rated Insulation Voltage (U <sub>i</sub> ):                       | 1000 V                                                                                                                                                       | 1000 V                                                                                                                                                       |
| Rated Operational Voltage:                                        | 690 V AC<br>750 V DC                                                                                                                                         | 690 V AC<br>750 V DC                                                                                                                                         |
| Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> ): | (220 V AC) 70 kA<br>(230 V AC) 70 kA<br>(380 V AC) 36 kA<br>(400 V AC) 36 kA<br>(415 V AC) 36 kA<br>(440 V AC) 30 kA<br>(500 V AC) 25 kA<br>(690 V AC) 20 kA | (220 V AC) 70 kA<br>(230 V AC) 70 kA<br>(380 V AC) 36 kA<br>(400 V AC) 36 kA<br>(415 V AC) 36 kA<br>(440 V AC) 30 kA<br>(500 V AC) 25 kA<br>(690 V AC) 20 kA |

| Rated Short-time Withstand Current<br>Low Voltage ( $I_{cw}$ ): | for 1 s 5 kA                                                                                                                                                                                                                                                                   | for 1 s 5 kA                                                                                                                                                                                                                                                                   |
|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Rated Ultimate Short-Circuit Breaking<br>Capacity ( $I_{cu}$ ): | (220 V AC) 70 kA<br>(230 V AC) 70 kA<br>(380 V AC) 36 kA<br>(400 V AC) 36 kA<br>(415 V AC) 36 kA<br>(440 V AC) 30 kA<br>(500 V AC) 25 kA<br>(690 V AC) 20 kA<br>(250 V DC) 2 Poles in Series 36 kA<br>(500 V DC) 2 Poles in Series 25 kA<br>(750 V DC) 3 Poles in Series 16 kA | (220 V AC) 70 kA<br>(230 V AC) 70 kA<br>(380 V AC) 36 kA<br>(400 V AC) 36 kA<br>(415 V AC) 36 kA<br>(440 V AC) 30 kA<br>(500 V AC) 25 kA<br>(690 V AC) 20 kA<br>(250 V DC) 2 Poles in Series 36 kA<br>(500 V DC) 2 Poles in Series 25 kA<br>(750 V DC) 3 Poles in Series 16 kA |
| Rated Uninterrupted Current ( $I_u$ ):                          | 400 A                                                                                                                                                                                                                                                                          | 400 A                                                                                                                                                                                                                                                                          |
| Release:                                                        | TMA                                                                                                                                                                                                                                                                            | TMA                                                                                                                                                                                                                                                                            |
| Release Type:                                                   | TM                                                                                                                                                                                                                                                                             | TM                                                                                                                                                                                                                                                                             |
| Short-Circuit Performance Level:                                | N                                                                                                                                                                                                                                                                              | N                                                                                                                                                                                                                                                                              |
| Standards:                                                      | IEC                                                                                                                                                                                                                                                                            | IEC                                                                                                                                                                                                                                                                            |
| Sub-type:                                                       | T5                                                                                                                                                                                                                                                                             | T5                                                                                                                                                                                                                                                                             |
| Terminal Connection Type:                                       | Fixed Circuit-Breakers<br>Front                                                                                                                                                                                                                                                | Fixed Circuit-Breakers<br>Front                                                                                                                                                                                                                                                |
| Test Voltage at Industrial Frequency<br>for 1 Minute:           | N/A                                                                                                                                                                                                                                                                            | 3500 V                                                                                                                                                                                                                                                                         |
| Test Voltage Max ( $U_{test}$ ):                                | 3500 V                                                                                                                                                                                                                                                                         | 3500 V                                                                                                                                                                                                                                                                         |



T5N 400 UL/CSA  
PR221DS-LS/I 400  
4p F F



T5N 400 UL/CSA  
PR221DS-LS/I 400  
3p F F



T5N 400 UL/CSA  
PR221DS-LS/I 400  
2p F F

### Dimensions

| Product Net Depth / Length: | 103.5 mm | 103.5 mm | 103.5 mm |
|-----------------------------|----------|----------|----------|
| Product Net Height:         | 205 mm   | 205 mm   | 205 mm   |
| Product Net Weight:         | 6.2 kg   | 4.032 kg | 3.25 kg  |
| Product Net Width:          | 186 mm   | 140 mm   | 140 mm   |



Container Information

|                                 |     |             |     |
|---------------------------------|-----|-------------|-----|
| Package Level 1 Depth / Length: | N/A | 285 mm      | N/A |
| Package Level 1 EAN:            |     |             |     |
| Package Level 1 Gross Weight:   | N/A | 5.08 kg     | N/A |
| Package Level 1 Height:         | N/A | 240 mm      | N/A |
| Package Level 1 Units:          | N/A | box 1 piece | N/A |
| Package Level 1 Width:          | N/A | 248 mm      | N/A |



Additional Information

|                             |                               |                               |                               |
|-----------------------------|-------------------------------|-------------------------------|-------------------------------|
| Product Main Type:          | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   |
| Product Name:               | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  |
| Product Type:               | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     |
| Suitable For:               | T5                            | T5                            | T5                            |
| Suitable for Product Class: | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers |
| Version:                    | F                             | F                             | F                             |



Technical

|                                                      |                                                  |                                                  |                                    |
|------------------------------------------------------|--------------------------------------------------|--------------------------------------------------|------------------------------------|
| Mechanical Durability:                               | 20000 cycle<br>120 cycles per hour               | 20000 cycle<br>120 cycles per hour               | 20000 cycle<br>120 cycles per hour |
| Number of Poles:                                     | 4                                                | 3                                                | 2                                  |
| Power Loss:                                          | at Rated Operating<br>Conditions per Pole 16.5 W | at Rated Operating<br>Conditions per Pole 16.5 W | N/A                                |
| Rated Current (I <sub>n</sub> ):                     | 400 A                                            | 400 A                                            | 400 A                              |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ): | 8 kV                                             | 8 kV                                             | 8 kV                               |
| Rated Insulation Voltage (U <sub>i</sub> ):          | 1000 V                                           | 1000 V                                           | 1000 V                             |
| Rated Operational Voltage:                           | 600 V AC                                         | 600 V AC                                         | 600 V AC                           |
| Rated Uninterrupted Current (I <sub>u</sub> ):       | 400 A                                            | 400 A                                            | 400 A                              |

|                                  |              |              |              |
|----------------------------------|--------------|--------------|--------------|
| Release:                         | PR221DS-LS/I | PR221DS-LS/I | PR221DS-LS/I |
| Release Type:                    | EL           | EL           | EL           |
| Short-Circuit Performance Level: | N            | N            | N            |
| Standards:                       | UL           | UL           | UL           |

|                                             |                              |                              |                              |
|---------------------------------------------|------------------------------|------------------------------|------------------------------|
| <b>Sub-type:</b>                            | T5                           | T5                           | T5                           |
| <b>Terminal Connection Type:</b>            | Fixed Circuit-Breakers Front | Fixed Circuit-Breakers Front | Fixed Circuit-Breakers Front |
| <b>Test Voltage Max (U<sub>test</sub>):</b> | 3500 V                       | 3500 V                       | N/A                          |

### Technical UL/CSA

|                                           |                                                          |                                                          |                                                          |
|-------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|
| <b>Interrupting Rating acc. to UL489:</b> | (240 V AC) 65 kA<br>(480 V AC) 25 kA<br>(600 V AC) 18 kA | (240 V AC) 65 kA<br>(480 V AC) 25 kA<br>(600 V AC) 18 kA | (240 V AC) 65 kA<br>(480 V AC) 25 kA<br>(600 V AC) 18 kA |
|-------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|




T5N 400 UL/CSA  
PR221DS-LS/I 300  
2p F F

T5N 400 UL/CSA  
PR221DS-LS/I 300  
3p F F

T5N 400 UL/CSA  
PR221DS-LS/I 300  
4p F F

### Dimensions

|                                    |          |          |          |
|------------------------------------|----------|----------|----------|
| <b>Product Net Depth / Length:</b> | 103.5 mm | 103.5 mm | 103.5 mm |
| <b>Product Net Height:</b>         | 205 mm   | 205 mm   | 205 mm   |
| <b>Product Net Weight:</b>         | 3.25 kg  | 5.1 kg   | 6.2 kg   |
| <b>Product Net Width:</b>          | 184 mm   | 140 mm   | 186 mm   |

### Container Information

|                                      |         |     |     |
|--------------------------------------|---------|-----|-----|
| <b>Package Level 1 EAN:</b>          |         |     |     |
| <b>Package Level 1 Gross Weight:</b> | 3.8 kg  | N/A | N/A |
| <b>Package Level 1 Units:</b>        | 1 piece | N/A | N/A |

### Additional Information

|                           |                              |                              |                              |
|---------------------------|------------------------------|------------------------------|------------------------------|
| <b>Product Main Type:</b> | SACE Tmax T                  | SACE Tmax T                  | SACE Tmax T                  |
| <b>Product Name:</b>      | Moulded Case Circuit Breaker | Moulded Case Circuit Breaker | Moulded Case Circuit Breaker |

|                             |                               |                               |                               |
|-----------------------------|-------------------------------|-------------------------------|-------------------------------|
| Product Type:               | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     |
| Suitable For:               | T5                            | T5                            | T5                            |
| Suitable for Product Class: | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers |
| Version:                    | F                             | F                             | F                             |

### Technical

|                                                      |                                    |                                                 |                                                 |
|------------------------------------------------------|------------------------------------|-------------------------------------------------|-------------------------------------------------|
| Electrical Durability:                               | 7000 cycle<br>60 cycles per hour   | N/A                                             | N/A                                             |
| Mechanical Durability:                               | 20000 cycle<br>120 cycles per hour | 20000 cycle<br>120 cycles per hour              | 20000 cycle<br>120 cycles per hour              |
| Number of Poles:                                     | 2                                  | 3                                               | 4                                               |
| Power Loss:                                          | N/A                                | at Rated Operating<br>Conditions per Pole 9.3 W | at Rated Operating<br>Conditions per Pole 9.3 W |
| Rated Current (I <sub>n</sub> ):                     | 300 A                              | 300 A                                           | 300 A                                           |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ): | 8 kV                               | 8 kV                                            | 8 kV                                            |
| Rated Insulation Voltage (U <sub>i</sub> ):          | 1000 V                             | 1000 V                                          | 1000 V                                          |
| Rated Operational Voltage:                           | 600 V AC                           | 600 V AC                                        | 600 V AC                                        |
| Rated Uninterrupted Current (I <sub>u</sub> ):       | 400 A                              | 400 A                                           | 400 A                                           |
| Release:                                             | N/A                                | PR221DS-LS/I                                    | PR221DS-LS/I                                    |
| Release Type:                                        | N/A                                | EL                                              | EL                                              |
| Short-Circuit Performance Level:                     | N                                  | N                                               | N                                               |
| Standards:                                           | UL                                 | UL                                              | UL                                              |
| Sub-type:                                            | T5                                 | T5                                              | T5                                              |
| Terminal Connection Type:                            | Fixed Circuit-Breakers<br>Front    | Fixed Circuit-Breakers<br>Front                 | Fixed Circuit-Breakers<br>Front                 |
| Test Voltage Max (U <sub>test</sub> ):               | N/A                                | 3500 V                                          | 3500 V                                          |

### Technical UL/CSA

|                                    |                                                                                                                                            |                                                          |                                                          |
|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|
| Interrupting Rating acc. to UL489: | (240 V AC) 65 kA<br>(480 V AC) 25 kA<br>(600 V AC) 18 kA<br>(500 V DC) 2 Poles in Series<br>25 kA<br>(600 V DC) 3 Poles in Series<br>16 kA | (240 V AC) 65 kA<br>(480 V AC) 25 kA<br>(600 V AC) 18 kA | (240 V AC) 65 kA<br>(480 V AC) 25 kA<br>(600 V AC) 18 kA |
|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|



T5N 400 UL/CSA  
PR222DS/P-LSI  
300 2p F F

T5N 400 UL/CSA  
PR222DS/P-LSI  
300 3p F F

T5N 400 UL/CSA  
PR222DS/P-LSI 300  
4p F F

Dimensions

|                             |          |          |          |
|-----------------------------|----------|----------|----------|
| Product Net Depth / Length: | 103.5 mm | 103.5 mm | 103.5 mm |
| Product Net Height:         | 205 mm   | 205 mm   | 205 mm   |
| Product Net Weight:         | 3.25 kg  | 5.1 kg   | 6.2 kg   |
| Product Net Width:          | 140 mm   | 140 mm   | 186 mm   |

Additional Information

|                             |                               |                               |                               |
|-----------------------------|-------------------------------|-------------------------------|-------------------------------|
| Product Main Type:          | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   |
| Product Name:               | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  |
| Product Type:               | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     |
| Suitable For:               | T5                            | T5                            | T5                            |
| Suitable for Product Class: | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers |
| Version:                    | F                             | F                             | F                             |

Technical

|                                                |                                    |                                                 |                                                 |
|------------------------------------------------|------------------------------------|-------------------------------------------------|-------------------------------------------------|
| Mechanical Durability:                         | 20000 cycle<br>120 cycles per hour | 20000 cycle<br>120 cycles per hour              | 20000 cycle<br>120 cycles per hour              |
| Number of Poles:                               | 2                                  | 3                                               | 4                                               |
| Power Loss:                                    | N/A                                | at Rated Operating<br>Conditions per Pole 9.3 W | at Rated Operating<br>Conditions per Pole 9.3 W |
| Rated Current ( $I_n$ ):                       | 300 A                              | 300 A                                           | 300 A                                           |
| Rated Impulse Withstand Voltage ( $U_{imp}$ ): | 8 kV                               | 8 kV                                            | 8 kV                                            |
| Rated Insulation Voltage ( $U_i$ ):            | 1000 V                             | 1000 V                                          | 1000 V                                          |
| Rated Operational Voltage:                     | 600 V AC                           | 600 V AC                                        | 600 V AC                                        |
| Rated Uninterrupted Current ( $I_u$ ):         | 400 A                              | 400 A                                           | 400 A                                           |

|                                        |                              |                              |                              |
|----------------------------------------|------------------------------|------------------------------|------------------------------|
| Release:                               | PR222DS/P-LSI                | PR222DS/P-LSI                | PR222DS/P-LSI                |
| Release Type:                          | EL                           | EL                           | EL                           |
| Short-Circuit Performance Level:       | N                            | N                            | N                            |
| Standards:                             | UL                           | UL                           | UL                           |
| Sub-type:                              | T5                           | T5                           | T5                           |
| Terminal Connection Type:              | Fixed Circuit-Breakers Front | Fixed Circuit-Breakers Front | Fixed Circuit-Breakers Front |
| Test Voltage Max (U <sub>test</sub> ): | N/A                          | 3500 V                       | 3500 V                       |

### Technical UL/CSA

|                                    |                                                          |                                                          |                                                          |
|------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|
| Interrupting Rating acc. to UL489: | (240 V AC) 65 kA<br>(480 V AC) 25 kA<br>(600 V AC) 18 kA | (240 V AC) 65 kA<br>(480 V AC) 25 kA<br>(600 V AC) 18 kA | (240 V AC) 65 kA<br>(480 V AC) 25 kA<br>(600 V AC) 18 kA |
|------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|



T5N 400 UL/CSA  
PR222DS/P-LSI  
400 4p F F



T5N 400 UL/CSA  
PR222DS/P-LSI  
400 3p F F

T5N 400 UL/CSA  
PR222DS/P-LSI 400  
2p F F

### Dimensions

|                             |          |          |          |
|-----------------------------|----------|----------|----------|
| Product Net Depth / Length: | 103.5 mm | 103.5 mm | 103.5 mm |
| Product Net Height:         | 205 mm   | 205 mm   | 205 mm   |
| Product Net Weight:         | 6.2 kg   | 5.1 kg   | 3.25 kg  |
| Product Net Width:          | 186 mm   | 140 mm   | 140 mm   |

### Container Information

|                                 |     |             |     |
|---------------------------------|-----|-------------|-----|
| Package Level 1 Depth / Length: | N/A | 285 mm      | N/A |
| Package Level 1 EAN:            |     |             |     |
| Package Level 1 Gross Weight:   | N/A | 5.1 kg      | N/A |
| Package Level 1 Height:         | N/A | 240 mm      | N/A |
| Package Level 1 Units:          | N/A | box 1 piece | N/A |
| Package Level 1 Width:          | N/A | 248 mm      | N/A |



Additional Information

|                             |                               |                               |                               |
|-----------------------------|-------------------------------|-------------------------------|-------------------------------|
| Product Main Type:          | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   |
| Product Name:               | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  |
| Product Type:               | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     |
| Suitable For:               | T5                            | T5                            | T5                            |
| Suitable for Product Class: | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers |
| Version:                    | F                             | F                             | F                             |



Technical

|                                                      |                                                  |                                                  |                                    |
|------------------------------------------------------|--------------------------------------------------|--------------------------------------------------|------------------------------------|
| Mechanical Durability:                               | 20000 cycle<br>120 cycles per hour               | 20000 cycle<br>120 cycles per hour               | 20000 cycle<br>120 cycles per hour |
| Number of Poles:                                     | 4                                                | 3                                                | 2                                  |
| Power Loss:                                          | at Rated Operating<br>Conditions per Pole 16.5 W | at Rated Operating<br>Conditions per Pole 16.5 W | N/A                                |
| Rated Current (I <sub>n</sub> ):                     | 400 A                                            | 400 A                                            | 400 A                              |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ): | 8 kV                                             | 8 kV                                             | 8 kV                               |
| Rated Insulation Voltage (U <sub>i</sub> ):          | 1000 V                                           | 1000 V                                           | 1000 V                             |
| Rated Operational Voltage:                           | 600 V AC                                         | 600 V AC                                         | 600 V AC                           |
| Rated Uninterrupted Current (I <sub>u</sub> ):       | 400 A                                            | 400 A                                            | 400 A                              |
| Release:                                             | PR222DS/P-LSI                                    | PR222DS/P-LSI                                    | PR222DS/P-LSI                      |
| Release Type:                                        | EL                                               | EL                                               | EL                                 |
| Short-Circuit Performance Level:                     | N                                                | N                                                | N                                  |
| Standards:                                           | UL                                               | UL                                               | UL                                 |
| Sub-type:                                            | T5                                               | T5                                               | T5                                 |
| Terminal Connection Type:                            | Fixed Circuit-Breakers<br>Front                  | Fixed Circuit-Breakers<br>Front                  | Fixed Circuit-Breakers<br>Front    |
| Test Voltage Max (U <sub>test</sub> ):               | 3500 V                                           | 3500 V                                           | N/A                                |



Technical UL/CSA

|                                    |                                                          |                                                          |                                                          |
|------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|
| Interrupting Rating acc. to UL489: | (240 V AC) 65 kA<br>(480 V AC) 25 kA<br>(600 V AC) 18 kA | (240 V AC) 65 kA<br>(480 V AC) 25 kA<br>(600 V AC) 18 kA | (240 V AC) 65 kA<br>(480 V AC) 25 kA<br>(600 V AC) 18 kA |
|------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|

|                                                                                    |                                                                                    |                                                                                     |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |
| <b>T5N 400 UL/CSA<br/>PR222DS/P-LSIG<br/>300 2p F F</b>                            | <b>T5N 400 UL/CSA<br/>PR222DS/P-LSIG<br/>300 3p F F</b>                            | <b>T5N 400 UL/CSA<br/>PR222DS/P-LSIG<br/>300 4p F F</b>                             |

### Dimensions

|                             |          |          |          |
|-----------------------------|----------|----------|----------|
| Product Net Depth / Length: | 103.5 mm | 103.5 mm | 103.5 mm |
| Product Net Height:         | 205 mm   | 205 mm   | 205 mm   |
| Product Net Weight:         | 3.25 kg  | 5.1 kg   | 6.2 kg   |
| Product Net Width:          | 140 mm   | 140 mm   | 186 mm   |

### Additional Information

|                             |                               |                               |                               |
|-----------------------------|-------------------------------|-------------------------------|-------------------------------|
| Product Main Type:          | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   |
| Product Name:               | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  |
| Product Type:               | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     |
| Suitable For:               | T5                            | T5                            | T5                            |
| Suitable for Product Class: | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers |
| Version:                    | F                             | F                             | F                             |

### Technical

|                                                      |                                    |                                                 |                                                 |
|------------------------------------------------------|------------------------------------|-------------------------------------------------|-------------------------------------------------|
| Mechanical Durability:                               | 20000 cycle<br>120 cycles per hour | 20000 cycle<br>120 cycles per hour              | 20000 cycle<br>120 cycles per hour              |
| Number of Poles:                                     | 2                                  | 3                                               | 4                                               |
| Power Loss:                                          | N/A                                | at Rated Operating<br>Conditions per Pole 9.3 W | at Rated Operating<br>Conditions per Pole 9.3 W |
| Rated Current (I <sub>n</sub> ):                     | 300 A                              | 300 A                                           | 300 A                                           |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ): | 8 kV                               | 8 kV                                            | 8 kV                                            |
| Rated Insulation Voltage (U <sub>i</sub> ):          | 1000 V                             | 1000 V                                          | 1000 V                                          |

|                                                |                              |                              |                              |
|------------------------------------------------|------------------------------|------------------------------|------------------------------|
| Rated Operational Voltage:                     | 600 V AC                     | 600 V AC                     | 600 V AC                     |
| Rated Uninterrupted Current (I <sub>u</sub> ): | 400 A                        | 400 A                        | 400 A                        |
| Release:                                       | PR222DS/P-LSIG               | PR222DS/P-LSIG               | PR222DS/P-LSIG               |
| Release Type:                                  | EL                           | EL                           | EL                           |
| Short-Circuit Performance Level:               | N                            | N                            | N                            |
| Standards:                                     | UL                           | UL                           | UL                           |
| Sub-type:                                      | T5                           | T5                           | T5                           |
| Terminal Connection Type:                      | Fixed Circuit-Breakers Front | Fixed Circuit-Breakers Front | Fixed Circuit-Breakers Front |
| Test Voltage Max (U <sub>test</sub> ):         | N/A                          | 3500 V                       | 3500 V                       |

### Technical UL/CSA

|                                    |                                                          |                                                          |                                                          |
|------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|
| Interrupting Rating acc. to UL489: | (240 V AC) 65 kA<br>(480 V AC) 25 kA<br>(600 V AC) 18 kA | (240 V AC) 65 kA<br>(480 V AC) 25 kA<br>(600 V AC) 18 kA | (240 V AC) 65 kA<br>(480 V AC) 25 kA<br>(600 V AC) 18 kA |
|------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|

|  |                                                                         |                                                                         |                                                                         |
|--|-------------------------------------------------------------------------|-------------------------------------------------------------------------|-------------------------------------------------------------------------|
|  | <div></div> <div>T5N 400 UL/CSA<br/>PR222DS/P-LSIG<br/>400 2p F F</div> | <div></div> <div>T5N 400 UL/CSA<br/>PR222DS/P-LSIG<br/>400 3p F F</div> | <div></div> <div>T5N 400 UL/CSA<br/>PR222DS/P-LSIG<br/>400 4p F F</div> |
|--|-------------------------------------------------------------------------|-------------------------------------------------------------------------|-------------------------------------------------------------------------|

### Dimensions

|                             |          |          |          |
|-----------------------------|----------|----------|----------|
| Product Net Depth / Length: | 103.5 mm | 103.5 mm | 103.5 mm |
| Product Net Height:         | 205 mm   | 205 mm   | 205 mm   |
| Product Net Weight:         | 3.25 kg  | 5.1 kg   | 6.2 kg   |
| Product Net Width:          | 140 mm   | 140 mm   | 186 mm   |

### Container Information

|                                 |     |        |     |
|---------------------------------|-----|--------|-----|
| Package Level 1 Depth / Length: | N/A | 285 mm | N/A |
|---------------------------------|-----|--------|-----|

|                               |     |             |     |
|-------------------------------|-----|-------------|-----|
| Package Level 1 Gross Weight: | N/A | 5.1 kg      | N/A |
| Package Level 1 Height:       | N/A | 240 mm      | N/A |
| Package Level 1 Units:        | N/A | box 1 piece | N/A |
| Package Level 1 Width:        | N/A | 248 mm      | N/A |

Additional Information

|                             |                               |                               |                               |
|-----------------------------|-------------------------------|-------------------------------|-------------------------------|
| Product Main Type:          | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   |
| Product Name:               | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  |
| Product Type:               | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     |
| Suitable For:               | T5                            | T5                            | T5                            |
| Suitable for Product Class: | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers |
| Version:                    | F                             | F                             | F                             |

Technical

|                                                      |                                    |                                                  |                                                  |
|------------------------------------------------------|------------------------------------|--------------------------------------------------|--------------------------------------------------|
| Mechanical Durability:                               | 20000 cycle<br>120 cycles per hour | 20000 cycle<br>120 cycles per hour               | 20000 cycle<br>120 cycles per hour               |
| Number of Poles:                                     | 2                                  | 3                                                | 4                                                |
| Power Loss:                                          | N/A                                | at Rated Operating<br>Conditions per Pole 16.5 W | at Rated Operating<br>Conditions per Pole 16.5 W |
| Rated Current (I <sub>n</sub> ):                     | 400 A                              | 400 A                                            | 400 A                                            |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ): | 8 kV                               | 8 kV                                             | 8 kV                                             |
| Rated Insulation Voltage (U <sub>i</sub> ):          | 1000 V                             | 1000 V                                           | 1000 V                                           |
| Rated Operational Voltage:                           | 600 V AC                           | 600 V AC                                         | 600 V AC                                         |
| Rated Uninterrupted Current (I <sub>u</sub> ):       | 400 A                              | 400 A                                            | 400 A                                            |
| Release:                                             | PR222DS/P-LSIG                     | PR222DS/P-LSIG                                   | PR222DS/P-LSIG                                   |
| Release Type:                                        | EL                                 | EL                                               | EL                                               |
| Short-Circuit Performance Level:                     | N                                  | N                                                | N                                                |
| Standards:                                           | UL                                 | UL                                               | UL                                               |
| Sub-type:                                            | T5                                 | T5                                               | T5                                               |
| Terminal Connection Type:                            | Fixed Circuit-Breakers<br>Front    | Fixed Circuit-Breakers<br>Front                  | Fixed Circuit-Breakers<br>Front                  |
| Test Voltage Max (U <sub>test</sub> ):               | N/A                                | 3500 V                                           | 3500 V                                           |

Technical UL/CSA

|                                    |                                                          |                                                          |                                                          |
|------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|
| Interrupting Rating acc. to UL489: | (240 V AC) 65 kA<br>(480 V AC) 25 kA<br>(600 V AC) 18 kA | (240 V AC) 65 kA<br>(480 V AC) 25 kA<br>(600 V AC) 18 kA | (240 V AC) 65 kA<br>(480 V AC) 25 kA<br>(600 V AC) 18 kA |
|------------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|



T5N400 UL/  
CSA TMA  
300-1500..30  
00 3p F F



T5N400 UL/  
CSA TMA  
300-1500..30  
00 2p F F



T5N400 UL/  
CSA TMA  
400-2000..40  
00 3p F F

T5N400 UL/  
CSA TMA  
400-2000..4000  
2p F F

Dimensions

|                             |          |          |          |          |
|-----------------------------|----------|----------|----------|----------|
| Product Net Depth / Length: | 103.5 mm | 103.5 mm | 103.5 mm | 103.5 mm |
| Product Net Height:         | 205 mm   | 205 mm   | 205 mm   | 205 mm   |
| Product Net Weight:         | 4.8 kg   | 3.25 kg  | 4.8 kg   | 3.25 kg  |
| Product Net Width:          | 140 mm   | 140 mm   | 140 mm   | 140 mm   |

Container Information

|                                 |             |     |             |     |
|---------------------------------|-------------|-----|-------------|-----|
| Package Level 1 Depth / Length: | 285 mm      | N/A | 285 mm      | N/A |
| Package Level 1 EAN:            |             |     |             |     |
| Package Level 1 Gross Weight:   | 4.8 kg      | N/A | 4.8 kg      | N/A |
| Package Level 1 Height:         | 240 mm      | N/A | 240 mm      | N/A |
| Package Level 1 Units:          | box 1 piece | N/A | box 1 piece | N/A |
| Package Level 1 Width:          | 248 mm      | N/A | 248 mm      | N/A |

Additional Information

|                             |                               |                               |                               |                               |
|-----------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Product Main Type:          | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   |
| Product Name:               | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  |
| Product Type:               | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     |
| Suitable For:               | T5                            | T5                            | T5                            | T5                            |
| Suitable for Product Class: | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers |
| Version:                    | F                             | F                             | F                             | F                             |

Technical

|                        |                                    |                                    |                                    |                                    |
|------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| Mechanical Durability: | 20000 cycle<br>120 cycles per hour | 20000 cycle<br>120 cycles per hour | 20000 cycle<br>120 cycles per hour | 20000 cycle<br>120 cycles per hour |
| Number of Poles:       | 3                                  | 2                                  | 3                                  | 2                                  |

|                                                                         |                                                                                                                                            |                                 |                                                                                                                                            |                                 |
|-------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| <b>Power Loss:</b>                                                      | at Rated Operating<br>Conditions per Pole 12.3 W                                                                                           | N/A                             | at Rated Operating<br>Conditions per Pole 19.5 W                                                                                           | N/A                             |
| <b>Rated Current (I<sub>n</sub>):</b>                                   | 300 A                                                                                                                                      | 300 A                           | 400 A                                                                                                                                      | 400 A                           |
| <b>Rated Impulse Withstand Voltage (U<sub>imp</sub>):</b>               | 8 kV                                                                                                                                       | 8 kV                            | 8 kV                                                                                                                                       | 8 kV                            |
| <b>Rated Insulation Voltage (U<sub>i</sub>):</b>                        | 1000 V                                                                                                                                     | 1000 V                          | 1000 V                                                                                                                                     | 1000 V                          |
| <b>Rated Operational Voltage:</b>                                       | 600 V AC<br>600 V DC                                                                                                                       | 600 V AC<br>600 V DC            | 600 V AC<br>600 V DC                                                                                                                       | 600 V AC<br>600 V DC            |
| <b>Rated Ultimate Short-Circuit Breaking Capacity (I<sub>cu</sub>):</b> | (240 V AC) 65 kA<br>(480 V AC) 25 kA<br>(600 V AC) 18 kA<br>(500 V DC) 2 Poles in Series<br>25 kA<br>(600 V DC) 3 Poles in Series<br>16 kA | N/A                             | (240 V AC) 65 kA<br>(480 V AC) 25 kA<br>(600 V AC) 18 kA<br>(500 V DC) 2 Poles in Series<br>25 kA<br>(600 V DC) 3 Poles in Series<br>16 kA | N/A                             |
| <b>Rated Uninterrupted Current (I<sub>u</sub>):</b>                     | 400 A                                                                                                                                      | 400 A                           | 400 A                                                                                                                                      | 400 A                           |
| <b>Release:</b>                                                         | TMA                                                                                                                                        | TMA                             | TMA                                                                                                                                        | TMA                             |
| <b>Release Type:</b>                                                    | TM                                                                                                                                         | TM                              | TM                                                                                                                                         | TM                              |
| <b>Short-Circuit Performance Level:</b>                                 | N                                                                                                                                          | N                               | N                                                                                                                                          | N                               |
| <b>Standards:</b>                                                       | UL                                                                                                                                         | UL                              | UL                                                                                                                                         | UL                              |
| <b>Sub-type:</b>                                                        | T5                                                                                                                                         | T5                              | T5                                                                                                                                         | T5                              |
| <b>Terminal Connection Type:</b>                                        | Fixed Circuit-Breakers<br>Front                                                                                                            | Fixed Circuit-Breakers<br>Front | Fixed Circuit-Breakers<br>Front                                                                                                            | Fixed Circuit-Breakers<br>Front |
| <b>Test Voltage Max (U<sub>test</sub>):</b>                             | 3500 V                                                                                                                                     | N/A                             | 3500 V                                                                                                                                     | N/A                             |

Technical UL/CSA

|                                           |                                                                                                                                            |                                                                                                                                            |                                                                                                                                            |                                                                                                                                            |
|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Interrupting Rating acc. to UL489:</b> | (240 V AC) 65 kA<br>(480 V AC) 25 kA<br>(600 V AC) 18 kA<br>(500 V DC) 2 Poles in Series<br>25 kA<br>(600 V DC) 3 Poles in Series<br>16 kA | (240 V AC) 65 kA<br>(480 V AC) 25 kA<br>(600 V AC) 18 kA<br>(500 V DC) 2 Poles in Series<br>25 kA<br>(600 V DC) 3 Poles in Series<br>16 kA | (240 V AC) 65 kA<br>(480 V AC) 25 kA<br>(600 V AC) 18 kA<br>(500 V DC) 2 Poles in Series<br>25 kA<br>(600 V DC) 3 Poles in Series<br>16 kA | (240 V AC) 65 kA<br>(480 V AC) 25 kA<br>(600 V AC) 18 kA<br>(500 V DC) 2 Poles in Series<br>25 kA<br>(600 V DC) 3 Poles in Series<br>16 kA |
|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|



T5N400 UL TMA  
300-1500..3000 4p FF  
N100%



T5N400 UL TMA  
400-2000..4000 4p FF  
N100%

Dimensions

|                                    |          |          |
|------------------------------------|----------|----------|
| <b>Product Net Depth / Length:</b> | 103.5 mm | 103.5 mm |
| <b>Product Net Height:</b>         | 205 mm   | 205 mm   |
| <b>Product Net Weight:</b>         | 4.15 kg  | 4.15 kg  |

|                    |        |        |
|--------------------|--------|--------|
| Product Net Width: | 186 mm | 186 mm |
|--------------------|--------|--------|

Additional Information

|                             |                               |                               |
|-----------------------------|-------------------------------|-------------------------------|
| Product Main Type:          | SACE Tmax T                   | SACE Tmax T                   |
| Product Name:               | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  |
| Product Type:               | Automatic Circuit Breaker     | Automatic Circuit Breaker     |
| Suitable For:               | T5                            | T5                            |
| Suitable for Product Class: | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers |
| Version:                    | F                             | F                             |

Technical

|                                                                    |                                                                                                                                      |                                                                                                                                      |
|--------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Mechanical Durability:                                             | 20000 cycle<br>120 cycles per hour                                                                                                   | 20000 cycle<br>120 cycles per hour                                                                                                   |
| Number of Poles:                                                   | 4                                                                                                                                    | 4                                                                                                                                    |
| Power Loss:                                                        | at Rated Operating Conditions per Pole 12.3 W                                                                                        | at Rated Operating Conditions per Pole 19.5 W                                                                                        |
| Rated Current (I <sub>n</sub> ):                                   | 300 A                                                                                                                                | 400 A                                                                                                                                |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ):               | 8 kV                                                                                                                                 | 8 kV                                                                                                                                 |
| Rated Insulation Voltage (U <sub>i</sub> ):                        | 1000 V                                                                                                                               | 1000 V                                                                                                                               |
| Rated Operational Voltage:                                         | 600 V AC<br>600 V DC                                                                                                                 | 600 V AC<br>600 V DC                                                                                                                 |
| Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> ): | (240 V AC) 65 kA<br>(480 V AC) 25 kA<br>(600 V AC) 18 kA<br>(500 V DC) 2 Poles in Series 25 kA<br>(600 V DC) 3 Poles in Series 16 kA | (240 V AC) 65 kA<br>(480 V AC) 25 kA<br>(600 V AC) 18 kA<br>(500 V DC) 2 Poles in Series 25 kA<br>(600 V DC) 3 Poles in Series 16 kA |
| Rated Uninterrupted Current (I <sub>u</sub> ):                     | 400 A                                                                                                                                | 400 A                                                                                                                                |
| Release:                                                           | TMA                                                                                                                                  | TMA                                                                                                                                  |
| Release Type:                                                      | TM                                                                                                                                   | TM                                                                                                                                   |
| Short-Circuit Performance Level:                                   | N                                                                                                                                    | N                                                                                                                                    |
| Standards:                                                         | UL                                                                                                                                   | UL                                                                                                                                   |
| Sub-type:                                                          | T5                                                                                                                                   | T5                                                                                                                                   |
| Terminal Connection Type:                                          | Fixed Circuit-Breakers<br>Front                                                                                                      | Fixed Circuit-Breakers<br>Front                                                                                                      |
| Test Voltage Max (U <sub>test</sub> ):                             | 3500 V                                                                                                                               | 3500 V                                                                                                                               |

Technical UL/CSA

|                                    |                                    |                                    |
|------------------------------------|------------------------------------|------------------------------------|
| Interrupting Rating acc. to UL489: | (240 V AC) 65 kA                   | (240 V AC) 65 kA                   |
|                                    | (480 V AC) 25 kA                   | (480 V AC) 25 kA                   |
|                                    | (600 V AC) 18 kA                   | (600 V AC) 18 kA                   |
|                                    | (500 V DC) 2 Poles in Series 25 kA | (500 V DC) 2 Poles in Series 25 kA |
|                                    | (600 V DC) 3 Poles in Series 16 kA | (600 V DC) 3 Poles in Series 16 kA |



T5N 600 UL/CSA  
PR221DS-LS/I 600 3p F  
F



T5N 600 UL/CSA  
PR222DS/P-LSIG 600 3p F  
F

Dimensions

|                             |          |          |
|-----------------------------|----------|----------|
| Product Net Depth / Length: | 103.5 mm | 103.5 mm |
| Product Net Height:         | 205 mm   | 205 mm   |
| Product Net Weight:         | 5.1 kg   | 5.1 kg   |
| Product Net Width:          | 140 mm   | 140 mm   |

Container Information

|                                 |             |     |
|---------------------------------|-------------|-----|
| Package Level 1 Depth / Length: | 285 mm      | N/A |
| Package Level 1 EAN:            |             |     |
| Package Level 1 Gross Weight:   | 5.1 kg      | N/A |
| Package Level 1 Height:         | 240 mm      | N/A |
| Package Level 1 Units:          | box 1 piece | N/A |
| Package Level 1 Width:          | 248 mm      | N/A |

Additional Information

|                             |                               |                               |
|-----------------------------|-------------------------------|-------------------------------|
| Product Main Type:          | SACE Tmax T                   | SACE Tmax T                   |
| Product Name:               | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  |
| Product Type:               | Automatic Circuit Breaker     | Automatic Circuit Breaker     |
| Suitable For:               | T5                            | T5                            |
| Suitable for Product Class: | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers |
| Version:                    | F                             | F                             |



Technical

|                                                      |                                                  |                                                  |
|------------------------------------------------------|--------------------------------------------------|--------------------------------------------------|
| Mechanical Durability:                               | 20000 cycle<br>120 cycles per hour               | 20000 cycle<br>120 cycles per hour               |
| Number of Poles:                                     | 3                                                | 3                                                |
| Power Loss:                                          | at Rated Operating Conditions per<br>Pole 37.1 W | at Rated Operating Conditions per<br>Pole 37.1 W |
| Rated Current (I <sub>n</sub> ):                     | 600 A                                            | 600 A                                            |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ): | 8 kV                                             | 8 kV                                             |
| Rated Insulation Voltage (U <sub>i</sub> ):          | 1000 V                                           | 1000 V                                           |
| Rated Operational Voltage:                           | 600 V AC                                         | 600 V AC                                         |
| Rated Uninterrupted Current (I <sub>u</sub> ):       | 600 A                                            | 600 A                                            |
| Release:                                             | PR221DS-LS/I                                     | PR222DS/P-LSIG                                   |
| Release Type:                                        | EL                                               | EL                                               |
| Short-Circuit Performance Level:                     | N                                                | N                                                |
| Standards:                                           | UL                                               | UL                                               |
| Sub-type:                                            | T5                                               | T5                                               |
| Terminal Connection Type:                            | Fixed Circuit-Breakers<br>Front                  | Fixed Circuit-Breakers<br>Front                  |
| Test Voltage Max (U <sub>test</sub> ):               | 3500 V                                           | 3500 V                                           |



Technical UL/CSA

|                                    |                                                          |                                                          |
|------------------------------------|----------------------------------------------------------|----------------------------------------------------------|
| Interrupting Rating acc. to UL489: | (240 V AC) 65 kA<br>(480 V AC) 25 kA<br>(600 V AC) 18 kA | (240 V AC) 65 kA<br>(480 V AC) 25 kA<br>(600 V AC) 18 kA |
|------------------------------------|----------------------------------------------------------|----------------------------------------------------------|

T5N 630 Ekip E-LSIG  
In=630A 3p F F

T5N 630 Ekip E-LSIG  
In=630A 4p F F



Dimensions

|                             |          |          |
|-----------------------------|----------|----------|
| Product Net Depth / Length: | 103.5 mm | 103.5 mm |
| Product Net Height:         | 205 mm   | 205 mm   |
| Product Net Weight:         | 5.1 kg   | 6.2 kg   |
| Product Net Width:          | 140 mm   | 186 mm   |

Container Information

|                                 |        |        |
|---------------------------------|--------|--------|
| Package Level 1 Depth / Length: | 286 mm | 286 mm |
| Package Level 1 EAN:            |        |        |
| Package Level 1 Gross Weight:   | 5.1 kg | 6.2 kg |
| Package Level 1 Height:         | 228 mm | 228 mm |
| Package Level 1 Width:          | 228 mm | 228 mm |

Additional Information

|                             |                               |                               |
|-----------------------------|-------------------------------|-------------------------------|
| Product Main Type:          | SACE Tmax T                   | SACE Tmax T                   |
| Product Name:               | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  |
| Product Type:               | Automatic Circuit Breaker     | Automatic Circuit Breaker     |
| Suitable For:               | T5                            | T5                            |
| Suitable for Product Class: | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers |
| Version:                    | F                             | F                             |

Technical

|                                                                   |                                                                                                                                                              |                                                                                                                                                              |
|-------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical Durability:                                            | 7000 cycle<br>60 cycles per hour                                                                                                                             | 7000 cycle<br>60 cycles per hour                                                                                                                             |
| Mechanical Durability:                                            | 20000 cycle<br>120 cycles per hour                                                                                                                           | 20000 cycle<br>120 cycles per hour                                                                                                                           |
| Number of Poles:                                                  | 3                                                                                                                                                            | 4                                                                                                                                                            |
| Rated Current (I <sub>n</sub> ):                                  | 630 A                                                                                                                                                        | 630 A                                                                                                                                                        |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ):              | 8 kV                                                                                                                                                         | 8 kV                                                                                                                                                         |
| Rated Insulation Voltage (U <sub>i</sub> ):                       | 1000 V                                                                                                                                                       | 1000 V                                                                                                                                                       |
| Rated Operational Voltage:                                        | 690 V AC                                                                                                                                                     | 690 V AC                                                                                                                                                     |
| Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> ): | (220 V AC) 70 kA<br>(230 V AC) 70 kA<br>(380 V AC) 36 kA<br>(400 V AC) 36 kA<br>(415 V AC) 36 kA<br>(440 V AC) 30 kA<br>(500 V AC) 25 kA<br>(690 V AC) 20 kA | (220 V AC) 70 kA<br>(230 V AC) 70 kA<br>(380 V AC) 36 kA<br>(400 V AC) 36 kA<br>(415 V AC) 36 kA<br>(440 V AC) 30 kA<br>(500 V AC) 25 kA<br>(690 V AC) 20 kA |

|                                                                    |                                                                                                                                                              |                                                                                                                                                              |
|--------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> ): | (220 V AC) 70 kA<br>(230 V AC) 70 kA<br>(380 V AC) 36 kA<br>(400 V AC) 36 kA<br>(415 V AC) 36 kA<br>(440 V AC) 30 kA<br>(500 V AC) 25 kA<br>(690 V AC) 20 kA | (220 V AC) 70 kA<br>(230 V AC) 70 kA<br>(380 V AC) 36 kA<br>(400 V AC) 36 kA<br>(415 V AC) 36 kA<br>(440 V AC) 30 kA<br>(500 V AC) 25 kA<br>(690 V AC) 20 kA |
| Rated Uninterrupted Current (I <sub>u</sub> ):                     | 630 A                                                                                                                                                        | 630 A                                                                                                                                                        |
| Release:                                                           | Ekip E-LSIG                                                                                                                                                  | Ekip E-LSIG                                                                                                                                                  |
| Release Type:                                                      | EL                                                                                                                                                           | EL                                                                                                                                                           |
| Short-Circuit Performance Level:                                   | N                                                                                                                                                            | N                                                                                                                                                            |
| Standards:                                                         | IEC                                                                                                                                                          | IEC                                                                                                                                                          |
| Sub-type:                                                          | T5                                                                                                                                                           | T5                                                                                                                                                           |
| Terminal Connection Type:                                          | Fixed Circuit-Breakers<br>Front                                                                                                                              | Fixed Circuit-Breakers<br>Front                                                                                                                              |



T5N 630 PR221DS-I  
In=630 3p F F



T5N 630 PR221DS-I  
In=630 4p F F

Dimensions

|                             |          |          |
|-----------------------------|----------|----------|
| Product Net Depth / Length: | 103.5 mm | 103.5 mm |
| Product Net Height:         | 205 mm   | 205 mm   |
| Product Net Weight:         | 5.1 kg   | 6.2 kg   |
| Product Net Width:          | 140 mm   | 186 mm   |

Container Information

|                                 |         |         |
|---------------------------------|---------|---------|
| Package Level 1 Depth / Length: | 285 mm  | 285 mm  |
| Package Level 1 Gross Weight:   | 5.1 kg  | 6.2 kg  |
| Package Level 1 Height:         | 240 mm  | 240 mm  |
| Package Level 1 Units:          | 1 piece | 1 piece |
| Package Level 1 Width:          | 248 mm  | 248 mm  |



Additional Information

|                             |                               |                               |
|-----------------------------|-------------------------------|-------------------------------|
| Product Main Type:          | SACE Tmax T                   | SACE Tmax T                   |
| Product Name:               | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  |
| Product Type:               | Automatic Circuit Breaker     | Automatic Circuit Breaker     |
| Suitable For:               | T5                            | T5                            |
| Suitable for Product Class: | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers |
| Version:                    | F                             | F                             |



Technical

|                                                                    |                                                                                                                                                              |                                                                                                                                                              |
|--------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical Durability:                                             | 5000 cycle<br>60 cycles per hour                                                                                                                             | 5000 cycle<br>60 cycles per hour                                                                                                                             |
| Mechanical Durability:                                             | 20000 cycle<br>120 cycles per hour                                                                                                                           | 20000 cycle<br>120 cycles per hour                                                                                                                           |
| Number of Poles:                                                   | 3                                                                                                                                                            | 4                                                                                                                                                            |
| Power Loss:                                                        | at Rated Operating Conditions per Pole 41 W                                                                                                                  | at Rated Operating Conditions per Pole 41 W                                                                                                                  |
| Rated Current (I <sub>n</sub> ):                                   | 630 A                                                                                                                                                        | 630 A                                                                                                                                                        |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ):               | 8 kV                                                                                                                                                         | 8 kV                                                                                                                                                         |
| Rated Insulation Voltage (U <sub>i</sub> ):                        | 1000 V                                                                                                                                                       | 1000 V                                                                                                                                                       |
| Rated Operational Voltage:                                         | 690 V AC                                                                                                                                                     | 690 V AC                                                                                                                                                     |
| Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> ):  | (220 V AC) 70 kA<br>(230 V AC) 70 kA<br>(380 V AC) 36 kA<br>(400 V AC) 36 kA<br>(415 V AC) 36 kA<br>(440 V AC) 30 kA<br>(500 V AC) 25 kA<br>(690 V AC) 20 kA | (220 V AC) 70 kA<br>(230 V AC) 70 kA<br>(380 V AC) 36 kA<br>(400 V AC) 36 kA<br>(415 V AC) 36 kA<br>(440 V AC) 30 kA<br>(500 V AC) 25 kA<br>(690 V AC) 20 kA |
| Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> ): | (220 V AC) 70 kA<br>(230 V AC) 70 kA                                                                                                                         | (220 V AC) 70 kA<br>(230 V AC) 70 kA                                                                                                                         |
|                                                                    | (380 V AC) 36 kA<br>(400 V AC) 36 kA<br>(415 V AC) 36 kA<br>(440 V AC) 30 kA<br>(500 V AC) 25 kA<br>(690 V AC) 20 kA                                         | (380 V AC) 36 kA<br>(400 V AC) 36 kA<br>(415 V AC) 36 kA<br>(440 V AC) 30 kA<br>(500 V AC) 25 kA<br>(690 V AC) 20 kA                                         |
| Rated Uninterrupted Current (I <sub>w</sub> ):                     | 630 A                                                                                                                                                        | 630 A                                                                                                                                                        |
| Release:                                                           | PR221DS-I                                                                                                                                                    | PR221DS-I                                                                                                                                                    |

|                                                       |                                 |                                 |
|-------------------------------------------------------|---------------------------------|---------------------------------|
| Release Type:                                         | EL                              | EL                              |
| Short-Circuit Performance Level:                      | N                               | N                               |
| Standards:                                            | IEC                             | IEC                             |
| Sub-type:                                             | T5                              | T5                              |
| Terminal Connection Type:                             | Fixed Circuit-Breakers<br>Front | Fixed Circuit-Breakers<br>Front |
| Test Voltage at Industrial Frequency<br>for 1 Minute: | 3500 V                          | 3500 V                          |
| Test Voltage Max (U <sub>test</sub> ):                | 3500 V                          | 3500 V                          |



T5N 630 PR221DS-LS/I  
In=630 4p F F



T5N 630 PR221DS-LS/I  
In=630 3p F F

Dimensions

|                             |          |          |
|-----------------------------|----------|----------|
| Product Net Depth / Length: | 103.5 mm | 103.5 mm |
| Product Net Height:         | 205 mm   | 205 mm   |
| Product Net Weight:         | 6.052 kg | 4.817 kg |
| Product Net Width:          | 186 mm   | 140 mm   |

Container Information

|                                 |         |         |
|---------------------------------|---------|---------|
| Package Level 1 Depth / Length: | 285 mm  | 285 mm  |
| Package Level 1 EAN:            |         |         |
| Package Level 1 Gross Weight:   | 6.2 kg  | 5.1 kg  |
| Package Level 1 Height:         | 240 mm  | 240 mm  |
| Package Level 1 Units:          | 1 piece | 1 piece |
| Package Level 1 Width:          | 248 mm  | 248 mm  |

Additional Information

|                             |                               |                               |
|-----------------------------|-------------------------------|-------------------------------|
| Product Main Type:          | SACE Tmax T                   | SACE Tmax T                   |
| Product Name:               | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  |
| Product Type:               | Automatic Circuit Breaker     | Automatic Circuit Breaker     |
| Suitable For:               | T5                            | T5                            |
| Suitable for Product Class: | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers |
| Version:                    | F                             | F                             |

Technical

|                                                                    |                                                                                                                                                                                  |                                                                                                                                                                                  |
|--------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical Durability:                                             | 5000 cycle<br>60 cycles per hour                                                                                                                                                 | 5000 cycle<br>60 cycles per hour                                                                                                                                                 |
| Mechanical Durability:                                             | 20000 cycle<br>120 cycles per hour                                                                                                                                               | 20000 cycle<br>120 cycles per hour                                                                                                                                               |
| Number of Poles:                                                   | 4                                                                                                                                                                                | 3                                                                                                                                                                                |
| Power Loss:                                                        | at Rated Operating Conditions per Pole 41 W                                                                                                                                      | at Rated Operating Conditions per Pole 41 W                                                                                                                                      |
| Rated Current (I <sub>n</sub> ):                                   | 630 A                                                                                                                                                                            | 630 A                                                                                                                                                                            |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ):               | 8 kV                                                                                                                                                                             | 8 kV                                                                                                                                                                             |
| Rated Insulation Voltage (U <sub>i</sub> ):                        | 1000 V                                                                                                                                                                           | 1000 V                                                                                                                                                                           |
| Rated Operational Voltage:                                         | 690 V AC                                                                                                                                                                         | 690 V AC                                                                                                                                                                         |
| Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> ):  | (220 V AC) 70 kA<br>(230 V AC) 70 kA<br>(380 V AC) 36 kA<br>(400 V AC) 36 kA<br>(415 V AC) 36 kA<br>(440 V AC) 30 kA<br>(500 V AC) 25 kA                                         | (220 V AC) 70 kA<br>(230 V AC) 70 kA<br>(380 V AC) 36 kA<br>(400 V AC) 36 kA<br>(415 V AC) 36 kA<br>(440 V AC) 30 kA<br>(500 V AC) 25 kA                                         |
| Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> ): | (690 V AC) 20 kA<br>(220 V AC) 70 kA<br>(230 V AC) 70 kA<br>(380 V AC) 36 kA<br>(400 V AC) 36 kA<br>(415 V AC) 36 kA<br>(440 V AC) 30 kA<br>(500 V AC) 25 kA<br>(690 V AC) 20 kA | (690 V AC) 20 kA<br>(220 V AC) 70 kA<br>(230 V AC) 70 kA<br>(380 V AC) 36 kA<br>(400 V AC) 36 kA<br>(415 V AC) 36 kA<br>(440 V AC) 30 kA<br>(500 V AC) 25 kA<br>(690 V AC) 20 kA |

|                                                       |                                 |                                 |
|-------------------------------------------------------|---------------------------------|---------------------------------|
| Rated Uninterrupted Current (I <sub>u</sub> ):        | 630 A                           | 630 A                           |
| Release:                                              | PR221DS-LS/I                    | PR221DS-LS/I                    |
| Release Type:                                         | EL                              | EL                              |
| Short-Circuit Performance Level:                      | N                               | N                               |
| Standards:                                            | IEC                             | IEC                             |
| Sub-type:                                             | T5                              | T5                              |
| Terminal Connection Type:                             | Fixed Circuit-Breakers<br>Front | Fixed Circuit-Breakers<br>Front |
| Test Voltage at Industrial Frequency<br>for 1 Minute: | 3500 V                          | 3500 V                          |
| Test Voltage Max (U <sub>test</sub> ):                | 3500 V                          | 3500 V                          |



T5N 630 PR222DS/P-LSI  
In=630 4p F F



T5N 630 PR222DS/P-LSI  
In=630 3p F F

Dimensions

|                             |          |          |
|-----------------------------|----------|----------|
| Product Net Depth / Length: | 103.5 mm | 103.5 mm |
| Product Net Height:         | 205 mm   | 205 mm   |
| Product Net Weight:         | 6.2 kg   | 5.1 kg   |
| Product Net Width:          | 186 mm   | 140 mm   |

Container Information

|                                 |         |         |
|---------------------------------|---------|---------|
| Package Level 1 Depth / Length: | 285 mm  | 285 mm  |
| Package Level 1 EAN:            |         |         |
| Package Level 1 Gross Weight:   | 6.2 kg  | 5.1 kg  |
| Package Level 1 Height:         | 240 mm  | 240 mm  |
| Package Level 1 Units:          | 1 piece | 1 piece |
| Package Level 1 Width:          | 248 mm  | 248 mm  |

Additional Information

|                             |                               |                               |
|-----------------------------|-------------------------------|-------------------------------|
| Product Main Type:          | SACE Tmax T                   | SACE Tmax T                   |
| Product Name:               | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  |
| Product Type:               | Automatic Circuit Breaker     | Automatic Circuit Breaker     |
| Suitable For:               | T5                            | T5                            |
| Suitable for Product Class: | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers |
| Version:                    | F                             | F                             |

Technical

|                                                                    |                                                                                                                                                              |                                                                                                                                                              |
|--------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical Durability:                                             | 5000 cycle<br>60 cycles per hour                                                                                                                             | 5000 cycle<br>60 cycles per hour                                                                                                                             |
| Mechanical Durability:                                             | 20000 cycle<br>120 cycles per hour                                                                                                                           | 20000 cycle<br>120 cycles per hour                                                                                                                           |
| Number of Poles:                                                   | 4                                                                                                                                                            | 3                                                                                                                                                            |
| Power Loss:                                                        | at Rated Operating Conditions per Pole 41 W                                                                                                                  | at Rated Operating Conditions per Pole 41 W                                                                                                                  |
| Rated Current (I <sub>n</sub> ):                                   | 630 A                                                                                                                                                        | 630 A                                                                                                                                                        |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ):               | 8 kV                                                                                                                                                         | 8 kV                                                                                                                                                         |
| Rated Insulation Voltage (U <sub>i</sub> ):                        | 1000 V                                                                                                                                                       | 1000 V                                                                                                                                                       |
| Rated Operational Voltage:                                         | 690 V AC                                                                                                                                                     | 690 V AC                                                                                                                                                     |
| Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> ):  | (220 V AC) 70 kA<br>(230 V AC) 70 kA<br>(380 V AC) 36 kA<br>(400 V AC) 36 kA<br>(415 V AC) 36 kA<br>(440 V AC) 30 kA<br>(500 V AC) 25 kA<br>(690 V AC) 20 kA | (220 V AC) 70 kA<br>(230 V AC) 70 kA<br>(380 V AC) 36 kA<br>(400 V AC) 36 kA<br>(415 V AC) 36 kA<br>(440 V AC) 30 kA<br>(500 V AC) 25 kA<br>(690 V AC) 20 kA |
| Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> ): | (220 V AC) 70 kA<br>(230 V AC) 70 kA<br>(380 V AC) 36 kA<br>(400 V AC) 36 kA<br>(415 V AC) 36 kA<br>(440 V AC) 30 kA<br>(500 V AC) 25 kA<br>(690 V AC) 20 kA | (220 V AC) 70 kA<br>(230 V AC) 70 kA<br>(380 V AC) 36 kA<br>(400 V AC) 36 kA<br>(415 V AC) 36 kA<br>(440 V AC) 30 kA<br>(500 V AC) 25 kA<br>(690 V AC) 20 kA |
| Rated Uninterrupted Current (I <sub>u</sub> ):                     | 630 A                                                                                                                                                        | 630 A                                                                                                                                                        |
| Release:                                                           | PR222DS/P-LSI                                                                                                                                                | PR222DS/P-LSI                                                                                                                                                |

|                                                    |                                 |                                 |
|----------------------------------------------------|---------------------------------|---------------------------------|
| Release Type:                                      | EL                              | EL                              |
| Short-Circuit Performance Level:                   | N                               | N                               |
| Standards:                                         | IEC                             | IEC                             |
|                                                    | T5                              | T5                              |
| Terminal Connection Type:                          | Fixed Circuit-Breakers<br>Front | Fixed Circuit-Breakers<br>Front |
| Test Voltage at Industrial Frequency for 1 Minute: | 3500 V                          | 3500 V                          |
| Test Voltage Max (U <sub>test</sub> ):             | 3500 V                          | 3500 V                          |



T5N 630 TMA 500-5000  
4p F F



T5N 630 TMA 500-5000  
3p F F

Dimensions

|                             |          |          |
|-----------------------------|----------|----------|
| Product Net Depth / Length: | 103.5 mm | 103.5 mm |
| Product Net Height:         | 205 mm   | 205 mm   |
| Product Net Weight:         | 5.1 kg   | 4.579 kg |
| Product Net Width:          | 186 mm   | 140 mm   |

Container Information

|                                 |         |         |
|---------------------------------|---------|---------|
| Package Level 1 Depth / Length: | 285 mm  | 285 mm  |
| Package Level 1 EAN:            |         |         |
| Package Level 1 Gross Weight:   | 5.1 kg  | 4.8 kg  |
| Package Level 1 Height:         | 240 mm  | 240 mm  |
| Package Level 1 Units:          | 1 piece | 1 piece |
| Package Level 1 Width:          | 248 mm  | 248 mm  |

Additional Information

|                    |                              |                              |
|--------------------|------------------------------|------------------------------|
| Product Main Type: | SACE Tmax T                  | SACE Tmax T                  |
| Product Name:      | Moulded Case Circuit Breaker | Moulded Case Circuit Breaker |

|                             |                               |                               |
|-----------------------------|-------------------------------|-------------------------------|
| Product Type:               | Automatic Circuit Breaker     | Automatic Circuit Breaker     |
| Suitable For:               | T5                            | T5                            |
| Suitable for Product Class: | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers |
| Version:                    | F                             | F                             |

Technical

|                                                                    |                                                                                                                                                                                                                    |                                                                                                                                                                                                                    |
|--------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical Durability:                                             | 5000 cycle<br>60 cycles per hour                                                                                                                                                                                   | 5000 cycle<br>60 cycles per hour                                                                                                                                                                                   |
| Mechanical Durability:                                             | 20000 cycle<br>120 cycles per hour                                                                                                                                                                                 | 20000 cycle<br>120 cycles per hour                                                                                                                                                                                 |
| Number of Poles:                                                   | 4                                                                                                                                                                                                                  | 3                                                                                                                                                                                                                  |
| Power Loss:                                                        | at Rated Operating Conditions per Pole 28.8 W                                                                                                                                                                      | at Rated Operating Conditions per Pole 28.8 W                                                                                                                                                                      |
| Rated Current (I <sub>n</sub> ):                                   | 500 A                                                                                                                                                                                                              | 500 A                                                                                                                                                                                                              |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ):               | 8 kV                                                                                                                                                                                                               | 8 kV                                                                                                                                                                                                               |
| Rated Insulation Voltage (U <sub>i</sub> ):                        | 1000 V                                                                                                                                                                                                             | 1000 V                                                                                                                                                                                                             |
| Rated Operational Voltage:                                         | 690 V AC<br>750 V DC                                                                                                                                                                                               | 690 V AC<br>750 V DC                                                                                                                                                                                               |
| Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> ):  | (220 V AC) 70 kA<br>(230 V AC) 70 kA<br>(380 V AC) 36 kA<br>(400 V AC) 36 kA<br>(415 V AC) 36 kA<br>(440 V AC) 30 kA<br>(500 V AC) 25 kA<br>(690 V AC) 20 kA                                                       | (220 V AC) 70 kA<br>(230 V AC) 70 kA<br>(380 V AC) 36 kA<br>(400 V AC) 36 kA<br>(415 V AC) 36 kA<br>(440 V AC) 30 kA<br>(500 V AC) 25 kA<br>(690 V AC) 20 kA                                                       |
| Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> ): | (220 V AC) 70 kA<br>(230 V AC) 70 kA<br>(380 V AC) 36 kA                                                                                                                                                           | (220 V AC) 70 kA<br>(230 V AC) 70 kA<br>(380 V AC) 36 kA                                                                                                                                                           |
|                                                                    | (400 V AC) 36 kA<br>(415 V AC) 36 kA<br>(440 V AC) 30 kA<br>(500 V AC) 25 kA<br>(690 V AC) 20 kA<br>(250 V DC) 2 Poles in Series 36 kA<br>(500 V DC) 2 Poles in Series 25 kA<br>(750 V DC) 3 Poles in Series 16 kA | (400 V AC) 36 kA<br>(415 V AC) 36 kA<br>(440 V AC) 30 kA<br>(500 V AC) 25 kA<br>(690 V AC) 20 kA<br>(250 V DC) 2 Poles in Series 36 kA<br>(500 V DC) 2 Poles in Series 25 kA<br>(750 V DC) 3 Poles in Series 16 kA |
| Rated Uninterrupted Current (I <sub>u</sub> ):                     | 630 A                                                                                                                                                                                                              | 630 A                                                                                                                                                                                                              |
| Release:                                                           | TMA                                                                                                                                                                                                                | TMA                                                                                                                                                                                                                |
| Release Type:                                                      | TM                                                                                                                                                                                                                 | TM                                                                                                                                                                                                                 |

|                                                       |                                 |                                 |
|-------------------------------------------------------|---------------------------------|---------------------------------|
| Short-Circuit Performance Level:                      | N                               | N                               |
| Standards:                                            | IEC                             | IEC                             |
| Sub-type:                                             | T5                              | T5                              |
| Terminal Connection Type:                             | Fixed Circuit-Breakers<br>Front | Fixed Circuit-Breakers<br>Front |
| Test Voltage at Industrial Frequency<br>for 1 Minute: | 3500 V                          | 3500 V                          |
| Test Voltage Max ( $U_{test}$ ):                      | 3500 V                          | 3500 V                          |

T5S 400

Ekip E-LSIG4

In=400A 3p

F F

T5S 400

Ekip E-LSIG4

In=400A 4p

F F

T5S 400

Ekip E-LSIG4

In=320A 3p F

F

T5S 400

Ekip E-LSIG4

In=320A 4p

F F

Dimensions

|                             |          |          |          |          |
|-----------------------------|----------|----------|----------|----------|
| Product Net Depth / Length: | 103.5 mm | 103.5 mm | 103.5 mm | 103.5 mm |
| Product Net Height:         | 205 mm   | 205 mm   | 205 mm   | 205 mm   |
| Product Net Weight:         | 5.1 kg   | 6.2 kg   | 5.1 kg   | 6.2 kg   |
| Product Net Width:          | 140 mm   | 186 mm   | 140 mm   | 186 mm   |

Container Information

|                                 |        |        |        |     |
|---------------------------------|--------|--------|--------|-----|
| Package Level 1 Depth / Length: | 286 mm | 286 mm | 286 mm | N/A |
| Package Level 1 EAN:            |        |        |        |     |
| Package Level 1 Gross Weight:   | 5.1 kg | 6.2 kg | 5.1 kg | N/A |
| Package Level 1 Height:         | 228 mm | 228 mm | 228 mm | N/A |
| Package Level 1 Width:          | 228 mm | 228 mm | 228 mm | N/A |

Additional Information

|                             |                               |                               |                               |                               |
|-----------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Product Main Type:          | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   |
| Product Name:               | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  |
| Product Type:               | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     |
| Suitable For:               | T5                            | T5                            | T5                            | T5                            |
| Suitable for Product Class: | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers |
| Version:                    | F                             | F                             | F                             | F                             |

Technical

|                                                                    |                                                                                                                                                              |                                                                                                                                                              |                                                                                                                                                              |                                                                                                                                                              |
|--------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical Durability:                                             | 7000 cycle<br>60 cycles per hour                                                                                                                             | 7000 cycle<br>60 cycles per hour                                                                                                                             | 7000 cycle<br>60 cycles per hour                                                                                                                             | 7000 cycle<br>60 cycles per hour                                                                                                                             |
| Mechanical Durability:                                             | 20000 cycle<br>120 cycles per hour                                                                                                                           | 20000 cycle<br>120 cycles per hour                                                                                                                           | 20000 cycle<br>120 cycles per hour                                                                                                                           | 20000 cycle<br>120 cycles per hour                                                                                                                           |
| Number of Poles:                                                   | 3                                                                                                                                                            | 4                                                                                                                                                            | 3                                                                                                                                                            | 4                                                                                                                                                            |
| Rated Current (I <sub>n</sub> ):                                   | 400 A                                                                                                                                                        | 400 A                                                                                                                                                        | 320 A                                                                                                                                                        | 320 A                                                                                                                                                        |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ):               | 8 kV                                                                                                                                                         | 8 kV                                                                                                                                                         | 8 kV                                                                                                                                                         | 8 kV                                                                                                                                                         |
| Rated Insulation Voltage (U <sub>i</sub> ):                        | 1000 V                                                                                                                                                       | 1000 V                                                                                                                                                       | 1000 V                                                                                                                                                       | 1000 V                                                                                                                                                       |
| Rated Operational Voltage:                                         | 690 V AC                                                                                                                                                     | 690 V AC                                                                                                                                                     | 690 V AC                                                                                                                                                     | 690 V AC                                                                                                                                                     |
| Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> ):  | (220 V AC) 85 kA<br>(230 V AC) 85 kA<br>(380 V AC) 50 kA<br>(400 V AC) 50 kA<br>(415 V AC) 50 kA<br>(440 V AC) 40 kA<br>(500 V AC) 30 kA<br>(690 V AC) 25 kA | (220 V AC) 85 kA<br>(230 V AC) 85 kA<br>(380 V AC) 50 kA<br>(400 V AC) 50 kA<br>(415 V AC) 50 kA<br>(440 V AC) 40 kA<br>(500 V AC) 30 kA<br>(690 V AC) 25 kA | (220 V AC) 85 kA<br>(230 V AC) 85 kA<br>(380 V AC) 50 kA<br>(400 V AC) 50 kA<br>(415 V AC) 50 kA<br>(440 V AC) 40 kA<br>(500 V AC) 30 kA<br>(690 V AC) 25 kA | (220 V AC) 85 kA<br>(230 V AC) 85 kA<br>(380 V AC) 50 kA<br>(400 V AC) 50 kA<br>(415 V AC) 50 kA<br>(440 V AC) 40 kA<br>(500 V AC) 30 kA<br>(690 V AC) 25 kA |
| Rated Short-time Withstand Current Low Voltage (I <sub>cw</sub> ): | for 1 s 5 kA                                                                                                                                                 | for 1 s 5 kA                                                                                                                                                 | for 1 s 5 kA                                                                                                                                                 | for 1 s 5 kA                                                                                                                                                 |
| Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> ): | (220 V AC) 85 kA<br>(230 V AC) 85 kA<br>(380 V AC) 50 kA<br>(400 V AC) 50 kA<br>(415 V AC) 50 kA<br>(440 V AC) 40 kA<br>(500 V AC) 30 kA<br>(690 V AC) 25 kA | (220 V AC) 85 kA<br>(230 V AC) 85 kA<br>(380 V AC) 50 kA<br>(400 V AC) 50 kA<br>(415 V AC) 50 kA<br>(440 V AC) 40 kA<br>(500 V AC) 30 kA<br>(690 V AC) 25 kA | (220 V AC) 85 kA<br>(230 V AC) 85 kA<br>(380 V AC) 50 kA<br>(400 V AC) 50 kA<br>(415 V AC) 50 kA<br>(440 V AC) 40 kA<br>(500 V AC) 30 kA<br>(690 V AC) 25 kA | (220 V AC) 85 kA<br>(230 V AC) 85 kA<br>(380 V AC) 50 kA<br>(400 V AC) 50 kA<br>(415 V AC) 50 kA<br>(440 V AC) 40 kA<br>(500 V AC) 30 kA<br>(690 V AC) 25 kA |
| Rated Uninterrupted Current (I <sub>u</sub> ):                     | 400 A                                                                                                                                                        | 400 A                                                                                                                                                        | 400 A                                                                                                                                                        | 400 A                                                                                                                                                        |
| Release:                                                           | Ekip E-LSIG                                                                                                                                                  | Ekip E-LSIG                                                                                                                                                  | Ekip E-LSIG                                                                                                                                                  | Ekip E-LSIG                                                                                                                                                  |
| Release Type:                                                      | EL                                                                                                                                                           | EL                                                                                                                                                           | EL                                                                                                                                                           | EL                                                                                                                                                           |
| Short-Circuit Performance Level:                                   | S                                                                                                                                                            | S                                                                                                                                                            | S                                                                                                                                                            | S                                                                                                                                                            |
| Standards:                                                         | IEC                                                                                                                                                          | IEC                                                                                                                                                          | IEC                                                                                                                                                          | IEC                                                                                                                                                          |
| Sub-type:                                                          | T5                                                                                                                                                           | T5                                                                                                                                                           | T5                                                                                                                                                           | T5                                                                                                                                                           |
| Terminal Connection Type:                                          | Fixed Circuit-Breakers<br>Front                                                                                                                              | Fixed Circuit-Breakers<br>Front                                                                                                                              | Fixed Circuit-Breakers<br>Front                                                                                                                              | Fixed Circuit-Breakers<br>Front                                                                                                                              |



Dimensions

|                             |                                             |                                             |
|-----------------------------|---------------------------------------------|---------------------------------------------|
|                             | T5S400 MCP-UL/CSA<br>PR221DS-I In=300 3p FF | T5S400 MCP-UL/CSA<br>PR221DS-I In=400 3p FF |
| Product Net Depth / Length: | 103.5 mm                                    | 103.5 mm                                    |
| Product Net Height:         | 205 mm                                      | 205 mm                                      |
| Product Net Weight:         | 5.1 kg                                      | 5.1 kg                                      |

|                    |        |        |
|--------------------|--------|--------|
| Product Net Width: | 140 mm | 140 mm |
|--------------------|--------|--------|

### Container Information

|                      |
|----------------------|
| Package Level 1 EAN: |
|----------------------|

### Additional Information

|                             |                               |                               |
|-----------------------------|-------------------------------|-------------------------------|
| Product Main Type:          | SACE Tmax T                   | SACE Tmax T                   |
| Product Name:               | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  |
| Product Type:               | Automatic Circuit Breaker     | Automatic Circuit Breaker     |
| Suitable For:               | T5                            | T5                            |
| Suitable for Product Class: | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers |
| Version:                    | F                             | F                             |

### Technical

|                                                      |                                              |                                               |
|------------------------------------------------------|----------------------------------------------|-----------------------------------------------|
| Mechanical Durability:                               | 20000 cycle<br>120 cycles per hour           | 20000 cycle<br>120 cycles per hour            |
| Number of Poles:                                     | 3                                            | 3                                             |
| Power Loss:                                          | at Rated Operating Conditions per Pole 9.3 W | at Rated Operating Conditions per Pole 16.5 W |
| Rated Current (I <sub>n</sub> ):                     | 300 A                                        | 400 A                                         |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ): | 8 kV                                         | 8 kV                                          |
| Rated Insulation Voltage (U <sub>i</sub> ):          | 1000 V                                       | 1000 V                                        |
| Rated Operational Voltage:                           | 600 V AC                                     | 600 V AC                                      |
| Rated Uninterrupted Current (I <sub>u</sub> ):       | 400 A                                        | 400 A                                         |
| Release:                                             | PR221DS-I                                    | PR221DS-I                                     |
| Release Type:                                        | EL                                           | EL                                            |
| Short-Circuit Performance Level:                     | S                                            | S                                             |
| Standards:                                           | UL                                           | UL                                            |
| Sub-type:                                            | T5                                           | T5                                            |
| Terminal Connection Type:                            | Fixed Circuit-Breakers<br>Front              | Fixed Circuit-Breakers<br>Front               |
| Test Voltage Max (U <sub>test</sub> ):               | 3500 V                                       | 3500 V                                        |

### Technical UL/CSA

|                                    |                                                           |                                                           |
|------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|
| Interrupting Rating acc. to UL489: | (240 V AC) 100 kA<br>(480 V AC) 35 kA<br>(600 V AC) 25 kA | (240 V AC) 100 kA<br>(480 V AC) 35 kA<br>(600 V AC) 25 kA |
|------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|



**T5S 400  
PR221DS-I  
In=320 3p F  
F**



**T5S 400  
PR221DS-I  
In=320 4p F  
F**



**T5S 400  
PR221DS-I  
In=400 4p F  
F**



**T5S 400  
PR221DS-I  
In=400 3p F F**

## Dimensions

|                                    |          |          |          |          |
|------------------------------------|----------|----------|----------|----------|
| <b>Product Net Depth / Length:</b> | 103.5 mm | 103.5 mm | 103.5 mm | 103.5 mm |
| <b>Product Net Height:</b>         | 205 mm   | 205 mm   | 205 mm   | 205 mm   |
| <b>Product Net Weight:</b>         | 5.1 kg   | 6.2 kg   | 6.2 kg   | 5.1 kg   |
| <b>Product Net Width:</b>          | 140 mm   | 186 mm   | 186 mm   | 140 mm   |

## Container Information

|                                        |         |         |         |         |
|----------------------------------------|---------|---------|---------|---------|
| <b>Package Level 1 Depth / Length:</b> | 285 mm  | 285 mm  | 285 mm  | 285 mm  |
| <b>Package Level 1 EAN:</b>            |         |         |         |         |
| <b>Package Level 1 Gross Weight:</b>   | 5.1 kg  | 6.2 kg  | 6.2 kg  | 5.1 kg  |
| <b>Package Level 1 Height:</b>         | 240 mm  | 240 mm  | 240 mm  | 240 mm  |
| <b>Package Level 1 Units:</b>          | 1 piece | 1 piece | 1 piece | 1 piece |
| <b>Package Level 1 Width:</b>          | 248 mm  | 248 mm  | 248 mm  | 248 mm  |

## Additional Information

|                                    |                               |                               |                               |                               |
|------------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| <b>Product Main Type:</b>          | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   |
| <b>Product Name:</b>               | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  |
| <b>Product Type:</b>               | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     |
| <b>Suitable For:</b>               | T5                            | T5                            | T5                            | T5                            |
| <b>Suitable for Product Class:</b> | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers |
| <b>Version:</b>                    | F                             | F                             | F                             | F                             |

## Technical

|                                                           |                                                  |                                                  |                                                  |                                                  |
|-----------------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|
| <b>Electrical Durability:</b>                             | 7000 cycle<br>60 cycles per hour                 | 7000 cycle<br>60 cycles per hour                 | 7000 cycle<br>60 cycles per hour                 | 7000 cycle<br>60 cycles per hour                 |
| <b>Mechanical Durability:</b>                             | 20000 cycle<br>120 cycles per hour               | 20000 cycle<br>120 cycles per hour               | 20000 cycle<br>120 cycles per hour               | 20000 cycle<br>120 cycles per hour               |
| <b>Number of Poles:</b>                                   | 3                                                | 4                                                | 4                                                | 3                                                |
| <b>Power Loss:</b>                                        | at Rated Operating<br>Conditions per Pole 10.6 W | at Rated Operating<br>Conditions per Pole 10.6 W | at Rated Operating<br>Conditions per Pole 16.5 W | at Rated Operating<br>Conditions per Pole 16.5 W |
| <b>Rated Current (I<sub>n</sub>):</b>                     | 320 A                                            | 320 A                                            | 400 A                                            | 400 A                                            |
| <b>Rated Impulse Withstand Voltage (U<sub>imp</sub>):</b> | 8 kV                                             | 8 kV                                             | 8 kV                                             | 8 kV                                             |
| <b>Rated Insulation Voltage (U<sub>i</sub>):</b>          | 1000 V                                           | 1000 V                                           | 1000 V                                           | 1000 V                                           |
| <b>Rated Operational Voltage:</b>                         | 690 V AC                                         | 690 V AC                                         | 690 V AC                                         | 690 V AC                                         |

|                                                                         |                                                                                                                                                              |                                                                                                                                                              |                                                                                                                                                              |                                                                                                                                                              |
|-------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Rated Service Short-Circuit Breaking Capacity (I<sub>cs</sub>):</b>  | (220 V AC) 85 kA<br>(230 V AC) 85 kA<br>(380 V AC) 50 kA<br>(400 V AC) 50 kA<br>(415 V AC) 50 kA<br>(440 V AC) 40 kA<br>(500 V AC) 30 kA<br>(690 V AC) 25 kA | (220 V AC) 85 kA<br>(230 V AC) 85 kA<br>(380 V AC) 50 kA<br>(400 V AC) 50 kA<br>(415 V AC) 50 kA<br>(440 V AC) 40 kA<br>(500 V AC) 30 kA<br>(690 V AC) 25 kA | (220 V AC) 85 kA<br>(230 V AC) 85 kA<br>(380 V AC) 50 kA<br>(400 V AC) 50 kA<br>(415 V AC) 50 kA<br>(440 V AC) 40 kA<br>(500 V AC) 30 kA<br>(690 V AC) 25 kA | (220 V AC) 85 kA<br>(230 V AC) 85 kA<br>(380 V AC) 50 kA<br>(400 V AC) 50 kA<br>(415 V AC) 50 kA<br>(440 V AC) 40 kA<br>(500 V AC) 30 kA<br>(690 V AC) 25 kA |
| <b>Rated Short-time Withstand Current Low Voltage (I<sub>cw</sub>):</b> | for 1 s 5 kA                                                                                                                                                 | for 1 s 5 kA                                                                                                                                                 | for 1 s 5 kA                                                                                                                                                 | for 1 s 5 kA                                                                                                                                                 |
| <b>Rated Ultimate Short-Circuit Breaking Capacity (I<sub>cu</sub>):</b> | (220 V AC) 85 kA<br>(230 V AC) 85 kA<br>(380 V AC) 50 kA<br>(400 V AC) 50 kA<br>(415 V AC) 50 kA<br>(440 V AC) 40 kA<br>(500 V AC) 30 kA<br>(690 V AC) 25 kA | (220 V AC) 85 kA<br>(230 V AC) 85 kA<br>(380 V AC) 50 kA<br>(400 V AC) 50 kA<br>(415 V AC) 50 kA<br>(440 V AC) 40 kA<br>(500 V AC) 30 kA<br>(690 V AC) 25 kA | (220 V AC) 85 kA<br>(230 V AC) 85 kA<br>(380 V AC) 50 kA<br>(400 V AC) 50 kA<br>(415 V AC) 50 kA<br>(440 V AC) 40 kA<br>(500 V AC) 30 kA<br>(690 V AC) 25 kA | (220 V AC) 85 kA<br>(230 V AC) 85 kA<br>(380 V AC) 50 kA<br>(400 V AC) 50 kA<br>(415 V AC) 50 kA<br>(440 V AC) 40 kA<br>(500 V AC) 30 kA<br>(690 V AC) 25 kA |
| <b>Rated Uninterrupted Current (I<sub>u</sub>):</b>                     | 400 A                                                                                                                                                        | 400 A                                                                                                                                                        | 400 A                                                                                                                                                        | 400 A                                                                                                                                                        |
| <b>Release:</b>                                                         | PR221DS-I                                                                                                                                                    | PR221DS-I                                                                                                                                                    | PR221DS-I                                                                                                                                                    | PR221DS-I                                                                                                                                                    |
| <b>Release Type:</b>                                                    | EL                                                                                                                                                           | EL                                                                                                                                                           | EL                                                                                                                                                           | EL                                                                                                                                                           |
| <b>Short-Circuit Performance Level:</b>                                 | S                                                                                                                                                            | S                                                                                                                                                            | S                                                                                                                                                            | S                                                                                                                                                            |
| <b>Standards:</b>                                                       | IEC                                                                                                                                                          | IEC                                                                                                                                                          | IEC                                                                                                                                                          | IEC                                                                                                                                                          |
| <b>Sub-type:</b>                                                        | T5                                                                                                                                                           | T5                                                                                                                                                           | T5                                                                                                                                                           | T5                                                                                                                                                           |
| <b>Terminal Connection Type:</b>                                        | Fixed Circuit-Breakers Front                                                                                                                                 | Fixed Circuit-Breakers Front                                                                                                                                 | Fixed Circuit-Breakers Front                                                                                                                                 | Fixed Circuit-Breakers Front                                                                                                                                 |
| <b>Test Voltage at Industrial Frequency for 1 Minute:</b>               | 3500 V                                                                                                                                                       | 3500 V                                                                                                                                                       | 3500 V                                                                                                                                                       | 3500 V                                                                                                                                                       |
| <b>Test Voltage Max (U<sub>test</sub>):</b>                             | 3500 V                                                                                                                                                       | 3500 V                                                                                                                                                       | 3500 V                                                                                                                                                       | 3500 V                                                                                                                                                       |



T5S 400  
PR221DS-LS/I  
In=320 3p F F



T5S 400  
PR221DS-LS/I  
In=320 4p F F



T5S 400  
PR221DS-LS/I  
In=400 3p F F



T5S 400  
PR221DS-LS/I  
In=400 4p F F

Dimensions

|                                    |          |          |          |          |
|------------------------------------|----------|----------|----------|----------|
| <b>Product Net Depth / Length:</b> | 103.5 mm | 103.5 mm | 103.5 mm | 103.5 mm |
| <b>Product Net Height:</b>         | 205 mm   | 205 mm   | 205 mm   | 205 mm   |
| <b>Product Net Weight:</b>         | 5.1 kg   | 6.2 kg   | 4.824 kg | 6.086 kg |
| <b>Product Net Width:</b>          | 140 mm   | 186 mm   | 140 mm   | 186 mm   |

Container Information

|                                 |         |         |         |         |
|---------------------------------|---------|---------|---------|---------|
| Package Level 1 Depth / Length: | 285 mm  | 285 mm  | 285 mm  | 285 mm  |
| Package Level 1 EAN:            |         |         |         |         |
| Package Level 1 Gross Weight:   | 5.1 kg  | 6.2 kg  | 5.1 kg  | 6.58 kg |
| Package Level 1 Height:         | 240 mm  | 240 mm  | 240 mm  | 240 mm  |
| Package Level 1 Units:          | 1 piece | 1 piece | 1 piece | 1 piece |
| Package Level 1 Width:          | 248 mm  | 248 mm  | 248 mm  | 248 mm  |

Additional Information

|                             |                               |                               |                               |                               |
|-----------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Product Main Type:          | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   |
| Product Name:               | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  |
| Product Type:               | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     |
| Suitable For:               | T5                            | T5                            | T5                            | T5                            |
| Suitable for Product Class: | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers |
| Version:                    | F                             | F                             | F                             | F                             |

Technical

|                                                                    |                                                                                                                                                              |                                                                                                                                                              |                                                                                                                                                              |                                                                                                                                                              |
|--------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical Durability:                                             | 7000 cycle<br>60 cycles per hour                                                                                                                             | 7000 cycle<br>60 cycles per hour                                                                                                                             | 7000 cycle<br>60 cycles per hour                                                                                                                             | 7000 cycle<br>60 cycles per hour                                                                                                                             |
| Mechanical Durability:                                             | 20000 cycle<br>120 cycles per hour                                                                                                                           | 20000 cycle<br>120 cycles per hour                                                                                                                           | 20000 cycle<br>120 cycles per hour                                                                                                                           | 20000 cycle<br>120 cycles per hour                                                                                                                           |
| Number of Poles:                                                   | 3                                                                                                                                                            | 4                                                                                                                                                            | 3                                                                                                                                                            | 4                                                                                                                                                            |
| Power Loss:                                                        | at Rated Operating Conditions per Pole 10.6 W                                                                                                                | at Rated Operating Conditions per Pole 10.6 W                                                                                                                | at Rated Operating Conditions per Pole 16.5 W                                                                                                                | at Rated Operating Conditions per Pole 16.5 W                                                                                                                |
| Rated Current (I <sub>n</sub> ):                                   | 320 A                                                                                                                                                        | 320 A                                                                                                                                                        | 400 A                                                                                                                                                        | 400 A                                                                                                                                                        |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ):               | 8 kV                                                                                                                                                         | 8 kV                                                                                                                                                         | 8 kV                                                                                                                                                         | 8 kV                                                                                                                                                         |
| Rated Insulation Voltage (U <sub>i</sub> ):                        | 1000 V                                                                                                                                                       | 1000 V                                                                                                                                                       | 1000 V                                                                                                                                                       | 1000 V                                                                                                                                                       |
| Rated Operational Voltage:                                         | 690 V AC                                                                                                                                                     | 690 V AC                                                                                                                                                     | 690 V AC                                                                                                                                                     | 690 V AC                                                                                                                                                     |
| Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> ):  | (220 V AC) 85 kA<br>(230 V AC) 85 kA<br>(380 V AC) 50 kA<br>(400 V AC) 50 kA<br>(415 V AC) 50 kA<br>(440 V AC) 40 kA<br>(500 V AC) 30 kA<br>(690 V AC) 25 kA | (220 V AC) 85 kA<br>(230 V AC) 85 kA<br>(380 V AC) 50 kA<br>(400 V AC) 50 kA<br>(415 V AC) 50 kA<br>(440 V AC) 40 kA<br>(500 V AC) 30 kA<br>(690 V AC) 25 kA | (220 V AC) 85 kA<br>(230 V AC) 85 kA<br>(380 V AC) 50 kA<br>(400 V AC) 50 kA<br>(415 V AC) 50 kA<br>(440 V AC) 40 kA<br>(500 V AC) 30 kA<br>(690 V AC) 25 kA | (220 V AC) 85 kA<br>(230 V AC) 85 kA<br>(380 V AC) 50 kA<br>(400 V AC) 50 kA<br>(415 V AC) 50 kA<br>(440 V AC) 40 kA<br>(500 V AC) 30 kA<br>(690 V AC) 25 kA |
| Rated Short-time Withstand Current Low Voltage (I <sub>cw</sub> ): | for 1 s 5 kA                                                                                                                                                 | for 1 s 5 kA                                                                                                                                                 | for 1 s 5 kA                                                                                                                                                 | for 1 s 5 kA                                                                                                                                                 |
| Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> ): | (220 V AC) 85 kA<br>(230 V AC) 85 kA<br>(380 V AC) 50 kA<br>(400 V AC) 50 kA<br>(415 V AC) 50 kA<br>(440 V AC) 40 kA<br>(500 V AC) 30 kA<br>(690 V AC) 25 kA | (220 V AC) 85 kA<br>(230 V AC) 85 kA<br>(380 V AC) 50 kA<br>(400 V AC) 50 kA<br>(415 V AC) 50 kA<br>(440 V AC) 40 kA<br>(500 V AC) 30 kA<br>(690 V AC) 25 kA | (220 V AC) 85 kA<br>(230 V AC) 85 kA<br>(380 V AC) 50 kA<br>(400 V AC) 50 kA<br>(415 V AC) 50 kA<br>(440 V AC) 40 kA<br>(500 V AC) 30 kA<br>(690 V AC) 25 kA | (220 V AC) 85 kA<br>(230 V AC) 85 kA<br>(380 V AC) 50 kA<br>(400 V AC) 50 kA<br>(415 V AC) 50 kA<br>(440 V AC) 40 kA<br>(500 V AC) 30 kA<br>(690 V AC) 25 kA |
| Rated Uninterrupted Current (I <sub>u</sub> ):                     | 400 A                                                                                                                                                        | 400 A                                                                                                                                                        | 400 A                                                                                                                                                        | 400 A                                                                                                                                                        |

|                                                    |                              |                              |                              |                              |
|----------------------------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| Release:                                           | PR221DS-LS/I                 | PR221DS-LS/I                 | PR221DS-LS/I                 | PR221DS-LS/I                 |
| Release Type:                                      | EL                           | EL                           | EL                           | EL                           |
| Short-Circuit Performance Level:                   | S                            | S                            | S                            | S                            |
| Standards:                                         | IEC                          | IEC                          | IEC                          | IEC                          |
| Sub-type:                                          | T5                           | T5                           | T5                           | T5                           |
| Terminal Connection Type:                          | Fixed Circuit-Breakers Front | Fixed Circuit-Breakers Front | Fixed Circuit-Breakers Front | Fixed Circuit-Breakers Front |
| Test Voltage at Industrial Frequency for 1 Minute: | 3500 V                       | 3500 V                       | 3500 V                       | 3500 V                       |
| Test Voltage Max ( $U_{test}$ ):                   | 3500 V                       | 3500 V                       | 3500 V                       | 3500 V                       |



T5S 400  
PR222DS/P-  
LSIG In=320  
3p F F



T5S 400  
PR222DS/P-  
LSIG In=320  
4p F F



T5S 400  
PR222DS/P-  
LSIG In=400  
3p F F



T5S 400  
PR222DS/P-  
LSIG In=400  
4p F F

### Dimensions

|                             |          |          |          |          |
|-----------------------------|----------|----------|----------|----------|
| Product Net Depth / Length: | 103.5 mm | 103.5 mm | 103.5 mm | 103.5 mm |
| Product Net Height:         | 205 mm   | 205 mm   | 205 mm   | 205 mm   |
| Product Net Weight:         | 5.1 kg   | 6.2 kg   | 4.5 kg   | 6.2 kg   |
| Product Net Width:          | 140 mm   | 186 mm   | 140 mm   | 186 mm   |

### Container Information

|                                 |         |         |         |         |
|---------------------------------|---------|---------|---------|---------|
| Package Level 1 Depth / Length: | 285 mm  | 285 mm  | 285 mm  | 285 mm  |
| Package Level 1 EAN:            |         |         |         |         |
| Package Level 1 Gross Weight:   | 5.1 kg  | 6.2 kg  | 5.1 kg  | 6.2 kg  |
| Package Level 1 Height:         | 240 mm  | 240 mm  | 240 mm  | 240 mm  |
| Package Level 1 Units:          | 1 piece | 1 piece | 1 piece | 1 piece |
| Package Level 1 Width:          | 248 mm  | 248 mm  | 248 mm  | 248 mm  |

### Additional Information

|                    |                              |                              |                              |                              |
|--------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| Product Main Type: | SACE Tmax T                  | SACE Tmax T                  | SACE Tmax T                  | SACE Tmax T                  |
| Product Name:      | Moulded Case Circuit Breaker | Moulded Case Circuit Breaker | Moulded Case Circuit Breaker | Moulded Case Circuit Breaker |
| Product Type:      | Automatic Circuit Breaker    | Automatic Circuit Breaker    | Automatic Circuit Breaker    | Automatic Circuit Breaker    |

|                             |                               |                               |                               |                               |
|-----------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Suitable For:               | T5                            | T5                            | T5                            | T5                            |
| Suitable for Product Class: | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers |
| Version:                    | F                             | F                             | F                             | F                             |

Technical

|                                                                    |                                                                                                                                                              |                                                                                                                                                              |                                                                                                                                                              |                                                                                                                                                              |
|--------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical Durability:                                             | 7000 cycle<br>60 cycles per hour                                                                                                                             | 7000 cycle<br>60 cycles per hour                                                                                                                             | 7000 cycle<br>60 cycles per hour                                                                                                                             | 7000 cycle<br>60 cycles per hour                                                                                                                             |
| Mechanical Durability:                                             | 20000 cycle<br>120 cycles per hour                                                                                                                           | 20000 cycle<br>120 cycles per hour                                                                                                                           | 20000 cycle<br>120 cycles per hour                                                                                                                           | 20000 cycle<br>120 cycles per hour                                                                                                                           |
| Number of Poles:                                                   | 3                                                                                                                                                            | 4                                                                                                                                                            | 3                                                                                                                                                            | 4                                                                                                                                                            |
| Power Loss:                                                        | at Rated Operating<br>Conditions per Pole 10.6 W                                                                                                             | at Rated Operating<br>Conditions per Pole 10.6 W                                                                                                             | at Rated Operating<br>Conditions per Pole 16.5 W                                                                                                             | at Rated Operating<br>Conditions per Pole 16.5 W                                                                                                             |
| Rated Current (I <sub>n</sub> ):                                   | 320 A                                                                                                                                                        | 320 A                                                                                                                                                        | 400 A                                                                                                                                                        | 400 A                                                                                                                                                        |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ):               | 8 kV                                                                                                                                                         | 8 kV                                                                                                                                                         | 8 kV                                                                                                                                                         | 8 kV                                                                                                                                                         |
| Rated Insulation Voltage (U <sub>i</sub> ):                        | 1000 V                                                                                                                                                       | 1000 V                                                                                                                                                       | 1000 V                                                                                                                                                       | 1000 V                                                                                                                                                       |
| Rated Operational Voltage:                                         | 690 V AC                                                                                                                                                     | 690 V AC                                                                                                                                                     | 690 V AC                                                                                                                                                     | 690 V AC                                                                                                                                                     |
| Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> ):  | (220 V AC) 85 kA<br>(230 V AC) 85 kA<br>(380 V AC) 50 kA<br>(400 V AC) 50 kA<br>(415 V AC) 50 kA<br>(440 V AC) 40 kA<br>(500 V AC) 30 kA<br>(690 V AC) 25 kA | (220 V AC) 85 kA<br>(230 V AC) 85 kA<br>(380 V AC) 50 kA<br>(400 V AC) 50 kA<br>(415 V AC) 50 kA<br>(440 V AC) 40 kA<br>(500 V AC) 30 kA<br>(690 V AC) 25 kA | (220 V AC) 85 kA<br>(230 V AC) 85 kA<br>(380 V AC) 50 kA<br>(400 V AC) 50 kA<br>(415 V AC) 50 kA<br>(440 V AC) 40 kA<br>(500 V AC) 30 kA<br>(690 V AC) 25 kA | (220 V AC) 85 kA<br>(230 V AC) 85 kA<br>(380 V AC) 50 kA<br>(400 V AC) 50 kA<br>(415 V AC) 50 kA<br>(440 V AC) 40 kA<br>(500 V AC) 30 kA<br>(690 V AC) 25 kA |
| Rated Short-time Withstand Current Low Voltage (I <sub>cw</sub> ): | for 1 s 5 kA                                                                                                                                                 | for 1 s 5 kA                                                                                                                                                 | for 1 s 5 kA                                                                                                                                                 | for 1 s 5 kA                                                                                                                                                 |
| Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> ): | (220 V AC) 85 kA<br>(230 V AC) 85 kA<br>(380 V AC) 50 kA<br>(400 V AC) 50 kA<br>(415 V AC) 50 kA<br>(440 V AC) 40 kA<br>(500 V AC) 30 kA<br>(690 V AC) 25 kA | (220 V AC) 85 kA<br>(230 V AC) 85 kA<br>(380 V AC) 50 kA<br>(400 V AC) 50 kA<br>(415 V AC) 50 kA<br>(440 V AC) 40 kA<br>(500 V AC) 30 kA<br>(690 V AC) 25 kA | (220 V AC) 85 kA<br>(230 V AC) 85 kA<br>(380 V AC) 50 kA<br>(400 V AC) 50 kA<br>(415 V AC) 50 kA<br>(440 V AC) 40 kA<br>(500 V AC) 30 kA<br>(690 V AC) 25 kA | (220 V AC) 85 kA<br>(230 V AC) 85 kA<br>(380 V AC) 50 kA<br>(400 V AC) 50 kA<br>(415 V AC) 50 kA<br>(440 V AC) 40 kA<br>(500 V AC) 30 kA<br>(690 V AC) 25 kA |
| Rated Uninterrupted Current (I <sub>u</sub> ):                     | 400 A                                                                                                                                                        | 400 A                                                                                                                                                        | 400 A                                                                                                                                                        | 400 A                                                                                                                                                        |
| Release:                                                           | PR222DS/P-LSIG                                                                                                                                               | PR222DS/P-LSIG                                                                                                                                               | PR222DS/P-LSIG                                                                                                                                               | PR222DS/P-LSIG                                                                                                                                               |
| Release Type:                                                      | EL                                                                                                                                                           | EL                                                                                                                                                           | EL                                                                                                                                                           | EL                                                                                                                                                           |
| Short-Circuit Performance Level:                                   | S                                                                                                                                                            | S                                                                                                                                                            | S                                                                                                                                                            | S                                                                                                                                                            |
| Standards:                                                         | IEC                                                                                                                                                          | IEC                                                                                                                                                          | IEC                                                                                                                                                          | IEC                                                                                                                                                          |
| Sub-type:                                                          | T5                                                                                                                                                           | T5                                                                                                                                                           | T5                                                                                                                                                           | T5                                                                                                                                                           |
| Terminal Connection Type:                                          | Fixed Circuit-Breakers<br>Front                                                                                                                              | Fixed Circuit-Breakers<br>Front                                                                                                                              | Fixed Circuit-Breakers<br>Front                                                                                                                              | Fixed Circuit-Breakers<br>Front                                                                                                                              |
| Test Voltage at Industrial Frequency for 1 Minute:                 | N/A                                                                                                                                                          | 3500 V                                                                                                                                                       | N/A                                                                                                                                                          | 3500 V                                                                                                                                                       |
| Test Voltage Max (U <sub>test</sub> ):                             | 3500 V                                                                                                                                                       | 3500 V                                                                                                                                                       | 3500 V                                                                                                                                                       | 3500 V                                                                                                                                                       |



T5S 400  
PR222DS/P-  
LSI In=320 3p  
F F



T5S 400  
PR222DS/P-  
LSI In=320 4p  
F F



T5S 400  
PR222DS/P-  
LSI In=400 3p  
F F



T5S 400  
PR222DS/P-  
LSI In=400 4p  
F F

## Dimensions

|                             |          |          |          |          |
|-----------------------------|----------|----------|----------|----------|
| Product Net Depth / Length: | 103.5 mm | 103.5 mm | 103.5 mm | 103.5 mm |
| Product Net Height:         | 205 mm   | 205 mm   | 205 mm   | 205 mm   |
| Product Net Weight:         | 5.1 kg   | 6.2 kg   | 5.1 kg   | 6.2 kg   |
| Product Net Width:          | 140 mm   | 186 mm   | 140 mm   | 186 mm   |

## Container Information

|                                 |         |         |         |         |
|---------------------------------|---------|---------|---------|---------|
| Package Level 1 Depth / Length: | 285 mm  | 285 mm  | 285 mm  | 285 mm  |
| Package Level 1 EAN:            |         |         |         |         |
| Package Level 1 Gross Weight:   | 5.1 kg  | 6.2 kg  | 5.1 kg  | 6.2 kg  |
| Package Level 1 Height:         | 240 mm  | 240 mm  | 240 mm  | 240 mm  |
| Package Level 1 Units:          | 1 piece | 1 piece | 1 piece | 1 piece |
| Package Level 1 Width:          | 248 mm  | 248 mm  | 248 mm  | 248 mm  |

## Additional Information

|                             |                               |                               |                               |                               |
|-----------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Product Main Type:          | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   |
| Product Name:               | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  |
| Product Type:               | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     |
| Suitable For:               | T5                            | T5                            | T5                            | T5                            |
| Suitable for Product Class: | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers |
| Version:                    | F                             | F                             | F                             | F                             |

## Technical

|                                                      |                                               |                                               |                                               |                                               |
|------------------------------------------------------|-----------------------------------------------|-----------------------------------------------|-----------------------------------------------|-----------------------------------------------|
| Electrical Durability:                               | 7000 cycle<br>60 cycles per hour              | 7000 cycle<br>60 cycles per hour              | 7000 cycle<br>60 cycles per hour              | 7000 cycle<br>60 cycles per hour              |
| Mechanical Durability:                               | 20000 cycle<br>120 cycles per hour            | 20000 cycle<br>120 cycles per hour            | 20000 cycle<br>120 cycles per hour            | 20000 cycle<br>120 cycles per hour            |
| Number of Poles:                                     | 3                                             | 4                                             | 3                                             | 4                                             |
| Power Loss:                                          | at Rated Operating Conditions per Pole 10.6 W | at Rated Operating Conditions per Pole 10.6 W | at Rated Operating Conditions per Pole 16.5 W | at Rated Operating Conditions per Pole 16.5 W |
| Rated Current (I <sub>n</sub> ):                     | 320 A                                         | 320 A                                         | 400 A                                         | 400 A                                         |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ): | 8 kV                                          | 8 kV                                          | 8 kV                                          | 8 kV                                          |
| Rated Insulation Voltage (U <sub>i</sub> ):          | 1000 V                                        | 1000 V                                        | 1000 V                                        | 1000 V                                        |
| Rated Operational Voltage:                           | 690 V AC                                      | 690 V AC                                      | 690 V AC                                      | 690 V AC                                      |

|                                                                              |                                                                                                                                                              |                                                                                                                                                              |                                                                                                                                                              |                                                                                                                                                              |
|------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Rated Service Short-Circuit Breaking Capacity (<math>I_{cs}</math>):</b>  | (220 V AC) 85 kA<br>(230 V AC) 85 kA<br>(380 V AC) 50 kA<br>(400 V AC) 50 kA<br>(415 V AC) 50 kA<br>(440 V AC) 40 kA<br>(500 V AC) 30 kA<br>(690 V AC) 25 kA | (220 V AC) 85 kA<br>(230 V AC) 85 kA<br>(380 V AC) 50 kA<br>(400 V AC) 50 kA<br>(415 V AC) 50 kA<br>(440 V AC) 40 kA<br>(500 V AC) 30 kA<br>(690 V AC) 25 kA | (220 V AC) 85 kA<br>(230 V AC) 85 kA<br>(380 V AC) 50 kA<br>(400 V AC) 50 kA<br>(415 V AC) 50 kA<br>(440 V AC) 40 kA<br>(500 V AC) 30 kA<br>(690 V AC) 25 kA | (220 V AC) 85 kA<br>(230 V AC) 85 kA<br>(380 V AC) 50 kA<br>(400 V AC) 50 kA<br>(415 V AC) 50 kA<br>(440 V AC) 40 kA<br>(500 V AC) 30 kA<br>(690 V AC) 25 kA |
| <b>Rated Short-time Withstand Current Low Voltage (<math>I_{cw}</math>):</b> | for 1 s 5 kA                                                                                                                                                 | for 1 s 5 kA                                                                                                                                                 | for 1 s 5 kA                                                                                                                                                 | for 1 s 5 kA                                                                                                                                                 |
| <b>Rated Ultimate Short-Circuit Breaking Capacity (<math>I_{cu}</math>):</b> | (220 V AC) 85 kA<br>(230 V AC) 85 kA<br>(380 V AC) 50 kA<br>(400 V AC) 50 kA<br>(415 V AC) 50 kA<br>(440 V AC) 40 kA<br>(500 V AC) 30 kA<br>(690 V AC) 25 kA | (220 V AC) 85 kA<br>(230 V AC) 85 kA<br>(380 V AC) 50 kA<br>(400 V AC) 50 kA<br>(415 V AC) 50 kA<br>(440 V AC) 40 kA<br>(500 V AC) 30 kA<br>(690 V AC) 25 kA | (220 V AC) 85 kA<br>(230 V AC) 85 kA<br>(380 V AC) 50 kA<br>(400 V AC) 50 kA<br>(415 V AC) 50 kA<br>(440 V AC) 40 kA<br>(500 V AC) 30 kA<br>(690 V AC) 25 kA | (220 V AC) 85 kA<br>(230 V AC) 85 kA<br>(380 V AC) 50 kA<br>(400 V AC) 50 kA<br>(415 V AC) 50 kA<br>(440 V AC) 40 kA<br>(500 V AC) 30 kA<br>(690 V AC) 25 kA |
| <b>Rated Uninterrupted Current (<math>I_u</math>):</b>                       | 400 A                                                                                                                                                        | 400 A                                                                                                                                                        | 400 A                                                                                                                                                        | 400 A                                                                                                                                                        |
| <b>Release:</b>                                                              | PR222DS/P-LSI                                                                                                                                                | PR222DS/P-LSI                                                                                                                                                | PR222DS/P-LSI                                                                                                                                                | PR222DS/P-LSI                                                                                                                                                |
| <b>Release Type:</b>                                                         | EL                                                                                                                                                           | EL                                                                                                                                                           | EL                                                                                                                                                           | EL                                                                                                                                                           |
| <b>Short-Circuit Performance Level:</b>                                      | S                                                                                                                                                            | S                                                                                                                                                            | S                                                                                                                                                            | S                                                                                                                                                            |
| <b>Standards:</b>                                                            | IEC                                                                                                                                                          | IEC                                                                                                                                                          | IEC                                                                                                                                                          | IEC                                                                                                                                                          |
| <b>Sub-type:</b>                                                             | T5                                                                                                                                                           | T5                                                                                                                                                           | T5                                                                                                                                                           | T5                                                                                                                                                           |
| <b>Terminal Connection Type:</b>                                             | Fixed Circuit-Breakers<br>Front                                                                                                                              | Fixed Circuit-Breakers<br>Front                                                                                                                              | Fixed Circuit-Breakers<br>Front                                                                                                                              | Fixed Circuit-Breakers<br>Front                                                                                                                              |
| <b>Test Voltage at Industrial Frequency for 1 Minute:</b>                    | 3500 V                                                                                                                                                       | 3500 V                                                                                                                                                       | 3500 V                                                                                                                                                       | 3500 V                                                                                                                                                       |
| <b>Test Voltage Max (<math>U_{test}</math>):</b>                             | 3500 V                                                                                                                                                       | 3500 V                                                                                                                                                       | 3500 V                                                                                                                                                       | 3500 V                                                                                                                                                       |



T5S 400 TMA 400-4000  
3p F F



T5S 400 TMA 400-4000 4p  
F F

## Dimensions

|                                    |          |          |
|------------------------------------|----------|----------|
| <b>Product Net Depth / Length:</b> | 103.5 mm | 103.5 mm |
| <b>Product Net Height:</b>         | 205 mm   | 205 mm   |
| <b>Product Net Weight:</b>         | 4.502 kg | 5.8 kg   |
| <b>Product Net Width:</b>          | 140 mm   | 186 mm   |

Container Information

|                                 |         |         |
|---------------------------------|---------|---------|
| Package Level 1 Depth / Length: | 285 mm  | 285 mm  |
| Package Level 1 EAN:            |         |         |
| Package Level 1 Gross Weight:   | 4.8 kg  | 5.8 kg  |
| Package Level 1 Height:         | 240 mm  | 240 mm  |
| Package Level 1 Units:          | 1 piece | 1 piece |
| Package Level 1 Width:          | 248 mm  | 248 mm  |

Additional Information

|                             |                               |                               |
|-----------------------------|-------------------------------|-------------------------------|
| Product Main Type:          | SACE Tmax T                   | SACE Tmax T                   |
| Product Name:               | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  |
| Product Type:               | Automatic Circuit Breaker     | Automatic Circuit Breaker     |
| Suitable For:               | T5                            | T5                            |
| Suitable for Product Class: | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers |
| Version:                    | F                             | F                             |

Technical

|                                                                    |                                                                                                                                                              |                                                                                                                                                              |
|--------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical Durability:                                             | 7000 cycle<br>60 cycles per hour                                                                                                                             | 7000 cycle<br>60 cycles per hour                                                                                                                             |
| Mechanical Durability:                                             | 20000 cycle<br>120 cycles per hour                                                                                                                           | 20000 cycle<br>120 cycles per hour                                                                                                                           |
| Number of Poles:                                                   | 3                                                                                                                                                            | 4                                                                                                                                                            |
| Power Loss:                                                        | at Rated Operating Conditions per Pole 19.5 W                                                                                                                | at Rated Operating Conditions per Pole 19.5 W                                                                                                                |
| Rated Current (I <sub>n</sub> ):                                   | 400 A                                                                                                                                                        | 400 A                                                                                                                                                        |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ):               | 8 kV                                                                                                                                                         | 8 kV                                                                                                                                                         |
| Rated Insulation Voltage (U <sub>i</sub> ):                        | 1000 V                                                                                                                                                       | 1000 V                                                                                                                                                       |
| Rated Operational Voltage:                                         | 690 V AC<br>750 V DC                                                                                                                                         | 690 V AC<br>750 V DC                                                                                                                                         |
| Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> ):  | (220 V AC) 85 kA<br>(230 V AC) 85 kA<br>(380 V AC) 50 kA<br>(400 V AC) 50 kA<br>(415 V AC) 50 kA<br>(440 V AC) 40 kA<br>(500 V AC) 30 kA<br>(690 V AC) 25 kA | (220 V AC) 85 kA<br>(230 V AC) 85 kA<br>(380 V AC) 50 kA<br>(400 V AC) 50 kA<br>(415 V AC) 50 kA<br>(440 V AC) 40 kA<br>(500 V AC) 30 kA<br>(690 V AC) 25 kA |
| Rated Short-time Withstand Current Low Voltage (I <sub>cw</sub> ): | for 1 s 5 kA                                                                                                                                                 | for 1 s 5 kA                                                                                                                                                 |

|                                                              |                                                                                                                                                              |                                                                                                                                                              |
|--------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Rated Ultimate Short-Circuit Breaking Capacity ( $I_{cu}$ ): | (220 V AC) 85 kA<br>(230 V AC) 85 kA<br>(380 V AC) 50 kA<br>(400 V AC) 50 kA<br>(415 V AC) 50 kA<br>(440 V AC) 40 kA<br>(500 V AC) 30 kA<br>(690 V AC) 25 kA | (220 V AC) 85 kA<br>(230 V AC) 85 kA<br>(380 V AC) 50 kA<br>(400 V AC) 50 kA<br>(415 V AC) 50 kA<br>(440 V AC) 40 kA<br>(500 V AC) 30 kA<br>(690 V AC) 25 kA |
|                                                              | (250 V DC) 2 Poles in Series 50 kA<br>(500 V DC) 2 Poles in Series 36 kA<br>(750 V DC) 3 Poles in Series 25 kA                                               | (250 V DC) 2 Poles in Series 50 kA<br>(500 V DC) 2 Poles in Series 36 kA<br>(750 V DC) 3 Poles in Series 25 kA                                               |
| Rated Uninterrupted Current ( $I_u$ ):                       | 400 A                                                                                                                                                        | 400 A                                                                                                                                                        |
| Release:                                                     | TMA                                                                                                                                                          | TMA                                                                                                                                                          |
| Release Type:                                                | TM                                                                                                                                                           | TM                                                                                                                                                           |
| Short-Circuit Performance Level:                             | S                                                                                                                                                            | S                                                                                                                                                            |
| Standards:                                                   | IEC                                                                                                                                                          | IEC                                                                                                                                                          |
| Sub-type:                                                    | T5                                                                                                                                                           | T5                                                                                                                                                           |
| Terminal Connection Type:                                    | Fixed Circuit-Breakers<br>Front                                                                                                                              | Fixed Circuit-Breakers<br>Front                                                                                                                              |
| Test Voltage at Industrial Frequency for 1 Minute:           | 3500 V                                                                                                                                                       | 3500 V                                                                                                                                                       |
| Test Voltage Max ( $U_{test}$ ):                             | 3500 V                                                                                                                                                       | 3500 V                                                                                                                                                       |



T5S 400 UL/CSA  
PR221DS-LS/I 300 3p F

F



T5S 400 UL/CSA  
PR221DS-LS/I 400 3p F

F

Dimensions

|                             |          |          |
|-----------------------------|----------|----------|
| Product Net Depth / Length: | 103.5 mm | 103.5 mm |
| Product Net Height:         | 205 mm   | 205 mm   |
| Product Net Weight:         | 5.1 kg   | 5.1 kg   |
| Product Net Width:          | 140 mm   | 140 mm   |

Additional Information

|                             |                               |                               |
|-----------------------------|-------------------------------|-------------------------------|
| Product Main Type:          | SACE Tmax T                   | SACE Tmax T                   |
| Product Name:               | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  |
| Product Type:               | Automatic Circuit Breaker     | Automatic Circuit Breaker     |
| Suitable For:               | T5                            | T5                            |
| Suitable for Product Class: | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers |
| Version:                    | F                             | F                             |

Technical

|                                                      |                                              |                                               |
|------------------------------------------------------|----------------------------------------------|-----------------------------------------------|
| Mechanical Durability:                               | 20000 cycle<br>120 cycles per hour           | 20000 cycle<br>120 cycles per hour            |
| Number of Poles:                                     | 3                                            | 3                                             |
| Power Loss:                                          | at Rated Operating Conditions per Pole 9.3 W | at Rated Operating Conditions per Pole 16.5 W |
| Rated Current (I <sub>n</sub> ):                     | 300 A                                        | 400 A                                         |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ): | 8 kV                                         | 8 kV                                          |
| Rated Insulation Voltage (U <sub>i</sub> ):          | 1000 V                                       | 1000 V                                        |
| Rated Operational Voltage:                           | 600 V AC                                     | 600 V AC                                      |
| Rated Uninterrupted Current (I <sub>u</sub> ):       | 400 A                                        | 400 A                                         |
| Release:                                             | PR221DS-LS/I                                 | PR221DS-LS/I                                  |
| Release Type:                                        | EL                                           | EL                                            |
| Short-Circuit Performance Level:                     | S                                            | S                                             |
| Standards:                                           | UL                                           | UL                                            |
| Sub-type:                                            | T5                                           | T5                                            |
| Terminal Connection Type:                            | Fixed Circuit-Breakers<br>Front              | Fixed Circuit-Breakers<br>Front               |
| Test Voltage Max (U <sub>test</sub> ):               | 3500 V                                       | 3500 V                                        |

Technical UL/CSA

|                                    |                                                           |                                                           |
|------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|
| Interrupting Rating acc. to UL489: | (240 V AC) 100 kA<br>(480 V AC) 35 kA<br>(600 V AC) 25 kA | (240 V AC) 100 kA<br>(480 V AC) 35 kA<br>(600 V AC) 25 kA |
|------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|



T5S 400 UL/  
CSA PR222DS/  
P-LSIG 300 3p  
F F



T5S 400 UL/  
CSA PR222DS/  
P-LSI 300 3p F  
F



T5S 400 UL/  
CSA PR222DS/  
P-LSI 400 3p F  
F



T5S 400 UL/  
CSA PR222DS/  
P-LSIG 400 3p  
F F

Dimensions

|                             |          |          |          |          |
|-----------------------------|----------|----------|----------|----------|
| Product Net Depth / Length: | 103.5 mm | 103.5 mm | 103.5 mm | 103.5 mm |
| Product Net Height:         | 205 mm   | 205 mm   | 205 mm   | 205 mm   |
| Product Net Weight:         | 5.1 kg   | 5.1 kg   | 5.1 kg   | 5.1 kg   |
| Product Net Width:          | 140 mm   | 140 mm   | 140 mm   | 140 mm   |

Container Information

Additional Information

|                             |                               |                               |                               |                               |
|-----------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Product Main Type:          | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   |
| Product Name:               | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  |
| Product Type:               | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     |
| Suitable For:               | T5                            | T5                            | T5                            | T5                            |
| Suitable for Product Class: | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers |
| Version:                    | F                             | F                             | F                             | F                             |

Technical

|                                                         |                                                 |                                                 |                                                  |                                                  |
|---------------------------------------------------------|-------------------------------------------------|-------------------------------------------------|--------------------------------------------------|--------------------------------------------------|
| Mechanical Durability:                                  | 20000 cycle<br>120 cycles per hour              | 20000 cycle<br>120 cycles per hour              | 20000 cycle<br>120 cycles per hour               | 20000 cycle<br>120 cycles per hour               |
| Number of Poles:                                        | 3                                               | 3                                               | 3                                                | 3                                                |
| Power Loss:                                             | at Rated Operating<br>Conditions per Pole 9.3 W | at Rated Operating<br>Conditions per Pole 9.3 W | at Rated Operating<br>Conditions per Pole 16.5 W | at Rated Operating<br>Conditions per Pole 16.5 W |
| Rated Current (I <sub>n</sub> ):                        | 300 A                                           | 300 A                                           | 400 A                                            | 400 A                                            |
| Rated Impulse Withstand<br>Voltage (U <sub>imp</sub> ): | 8 kV                                            | 8 kV                                            | 8 kV                                             | 8 kV                                             |
| Rated Insulation Voltage (U <sub>i</sub> ):             | 1000 V                                          | 1000 V                                          | 1000 V                                           | 1000 V                                           |
| Rated Operational Voltage:                              | 600 V AC                                        | 600 V AC                                        | 600 V AC                                         | 600 V AC                                         |
| Rated Uninterrupted Current<br>(I <sub>u</sub> ):       | 400 A                                           | 400 A                                           | 400 A                                            | 400 A                                            |
| Release:                                                | PR222DS/P-LSIG                                  | PR222DS/P-LSI                                   | PR222DS/P-LSI                                    | PR222DS/P-LSIG                                   |
| Release Type:                                           | EL                                              | EL                                              | EL                                               | EL                                               |
| Short-Circuit Performance<br>Level:                     | S                                               | S                                               | S                                                | S                                                |
| Standards:                                              | UL                                              | UL                                              | UL                                               | UL                                               |
| Sub-type:                                               | T5                                              | T5                                              | T5                                               | T5                                               |

|                                        |        |        |        |        |
|----------------------------------------|--------|--------|--------|--------|
| Test Voltage Max (U <sub>test</sub> ): | 3500 V | 3500 V | 3500 V | 3500 V |
|----------------------------------------|--------|--------|--------|--------|

Technical UL/CSA

|                                    |                                                           |                                                           |                                                           |                                                           |
|------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|
| Interrupting Rating acc. to UL489: | (240 V AC) 100 kA<br>(480 V AC) 35 kA<br>(600 V AC) 25 kA | (240 V AC) 100 kA<br>(480 V AC) 35 kA<br>(600 V AC) 25 kA | (240 V AC) 100 kA<br>(480 V AC) 35 kA<br>(600 V AC) 25 kA | (240 V AC) 100 kA<br>(480 V AC) 35 kA<br>(600 V AC) 25 kA |
|------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|



T5S400 UL/CSA  
TMA  
300-1500..3000 3p  
F F



T5S400 UL/CSA  
TMA  
400-2000..4000 3p  
F F

Dimensions

|                             |          |          |
|-----------------------------|----------|----------|
| Product Net Depth / Length: | 103.5 mm | 103.5 mm |
| Product Net Height:         | 205 mm   | 205 mm   |
| Product Net Weight:         | 4.8 kg   | 4.8 kg   |
| Product Net Width:          | 140 mm   | 140 mm   |

Container Information

|                                 |     |             |
|---------------------------------|-----|-------------|
| Package Level 1 Depth / Length: | N/A | 285 mm      |
| Package Level 1 EAN:            |     |             |
| Package Level 1 Gross Weight:   | N/A | 4.8 kg      |
| Package Level 1 Height:         | N/A | 240 mm      |
| Package Level 1 Units:          | N/A | box 1 piece |
| Package Level 1 Width:          | N/A | 248 mm      |

Additional Information

|                             |                               |                               |
|-----------------------------|-------------------------------|-------------------------------|
| Product Main Type:          | SACE Tmax T                   | SACE Tmax T                   |
| Product Name:               | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  |
| Product Type:               | Automatic Circuit Breaker     | Automatic Circuit Breaker     |
| Suitable For:               | T5                            | T5                            |
| Suitable for Product Class: | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers |
| Version:                    | F                             | F                             |



Technical

|                                                                    |                                                                                                                                       |                                                                                                                                       |
|--------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Mechanical Durability:                                             | 20000 cycle<br>120 cycles per hour                                                                                                    | 20000 cycle<br>120 cycles per hour                                                                                                    |
| Number of Poles:                                                   | 3                                                                                                                                     | 3                                                                                                                                     |
| Power Loss:                                                        | at Rated Operating Conditions per Pole 12.3 W                                                                                         | at Rated Operating Conditions per Pole 19.5 W                                                                                         |
| Rated Current (I <sub>n</sub> ):                                   | 300 A                                                                                                                                 | 400 A                                                                                                                                 |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ):               | 8 kV                                                                                                                                  | 8 kV                                                                                                                                  |
| Rated Insulation Voltage (U <sub>i</sub> ):                        | 1000 V                                                                                                                                | 1000 V                                                                                                                                |
| Rated Operational Voltage:                                         | 600 V AC<br>600 V DC                                                                                                                  | 600 V AC<br>600 V DC                                                                                                                  |
| Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> ): | (240 V AC) 100 kA<br>(480 V AC) 35 kA<br>(600 V AC) 25 kA<br>(500 V DC) 2 Poles in Series 35 kA<br>(600 V DC) 3 Poles in Series 25 kA | (240 V AC) 100 kA<br>(480 V AC) 35 kA<br>(600 V AC) 25 kA<br>(500 V DC) 2 Poles in Series 35 kA<br>(600 V DC) 3 Poles in Series 25 kA |
| Rated Uninterrupted Current (I <sub>u</sub> ):                     | 400 A                                                                                                                                 | 400 A                                                                                                                                 |
| Release:                                                           | TMA                                                                                                                                   | TMA                                                                                                                                   |
| Release Type:                                                      | TM                                                                                                                                    | TM                                                                                                                                    |
| Short-Circuit Performance Level:                                   | S                                                                                                                                     | S                                                                                                                                     |
| Standards:                                                         | UL                                                                                                                                    | UL                                                                                                                                    |
| Sub-type:                                                          | T5                                                                                                                                    | T5                                                                                                                                    |
| Terminal Connection Type:                                          | Fixed Circuit-Breakers<br>Front                                                                                                       | Fixed Circuit-Breakers<br>Front                                                                                                       |
| Test Voltage Max (U <sub>test</sub> ):                             | 3500 V                                                                                                                                | 3500 V                                                                                                                                |



Technical UL/CSA

|                                    |                                                                                                                                       |                                                                                                                                       |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Interrupting Rating acc. to UL489: | (240 V AC) 100 kA<br>(480 V AC) 35 kA<br>(600 V AC) 25 kA<br>(500 V DC) 2 Poles in Series 35 kA<br>(600 V DC) 3 Poles in Series 25 kA | (240 V AC) 100 kA<br>(480 V AC) 35 kA<br>(600 V AC) 25 kA<br>(500 V DC) 2 Poles in Series 35 kA<br>(600 V DC) 3 Poles in Series 25 kA |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|



**T5S400 UL TMA**  
**300-1500..3000 4p FF**  
**N100%**



**T5S400 UL TMA**  
**400-2000..4000 4p FF**  
**N100%**

## Dimensions

|                             |          |          |
|-----------------------------|----------|----------|
| Product Net Depth / Length: | 103.5 mm | 103.5 mm |
| Product Net Height:         | 205 mm   | 205 mm   |
| Product Net Weight:         | 4.15 kg  | 4.15 kg  |
| Product Net Width:          | 186 mm   | 186 mm   |

## Additional Information

|                             |                               |                               |
|-----------------------------|-------------------------------|-------------------------------|
| Product Main Type:          | SACE Tmax T                   | SACE Tmax T                   |
| Product Name:               | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  |
| Product Type:               | Automatic Circuit Breaker     | Automatic Circuit Breaker     |
| Suitable For:               | T5                            | T5                            |
| Suitable for Product Class: | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers |
| Version:                    | F                             | F                             |

## Technical

|                                                              |                                                                                                                                       |                                                                                                                                       |
|--------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Mechanical Durability:                                       | 20000 cycle<br>120 cycles per hour                                                                                                    | 20000 cycle<br>120 cycles per hour                                                                                                    |
| Number of Poles:                                             | 4                                                                                                                                     | 4                                                                                                                                     |
| Power Loss:                                                  | at Rated Operating Conditions per Pole 12.3 W                                                                                         | at Rated Operating Conditions per Pole 19.5 W                                                                                         |
| Rated Current ( $I_n$ ):                                     | 300 A                                                                                                                                 | 400 A                                                                                                                                 |
| Rated Impulse Withstand Voltage ( $U_{imp}$ ):               | 8 kV                                                                                                                                  | 8 kV                                                                                                                                  |
| Rated Insulation Voltage ( $U_i$ ):                          | 1000 V                                                                                                                                | 1000 V                                                                                                                                |
| Rated Operational Voltage:                                   | 600 V AC<br>600 V DC                                                                                                                  | 600 V AC<br>600 V DC                                                                                                                  |
| Rated Ultimate Short-Circuit Breaking Capacity ( $I_{cu}$ ): | (240 V AC) 100 kA<br>(480 V AC) 35 kA<br>(600 V AC) 25 kA<br>(500 V DC) 2 Poles in Series 35 kA<br>(600 V DC) 3 Poles in Series 25 kA | (240 V AC) 100 kA<br>(480 V AC) 35 kA<br>(600 V AC) 25 kA<br>(500 V DC) 2 Poles in Series 35 kA<br>(600 V DC) 3 Poles in Series 25 kA |

|                                                |                                 |                                 |
|------------------------------------------------|---------------------------------|---------------------------------|
| Rated Uninterrupted Current (I <sub>u</sub> ): | 400 A                           | 400 A                           |
| Release:                                       | TMA                             | TMA                             |
| Release Type:                                  | TM                              | TM                              |
| Short-Circuit Performance Level:               | S                               | S                               |
| Standards:                                     | UL                              | UL                              |
| Sub-type:                                      | T5                              | T5                              |
| Terminal Connection Type:                      | Fixed Circuit-Breakers<br>Front | Fixed Circuit-Breakers<br>Front |
| Test Voltage Max (U <sub>test</sub> ):         | 3500 V                          | 3500 V                          |

Technical UL/CSA

|                                    |                                                                                                                                       |                                                                                                                                       |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Interrupting Rating acc. to UL489: | (240 V AC) 100 kA<br>(480 V AC) 35 kA<br>(600 V AC) 25 kA<br>(500 V DC) 2 Poles in Series 35 kA<br>(600 V DC) 3 Poles in Series 25 kA | (240 V AC) 100 kA<br>(480 V AC) 35 kA<br>(600 V AC) 25 kA<br>(500 V DC) 2 Poles in Series 35 kA<br>(600 V DC) 3 Poles in Series 25 kA |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|



T5S 600 UL/CSA  
PR222DS/P-LSI  
600 3p F F



T5S 600 UL/CSA  
PR222DS/P-LSIG  
600 3p F F



T5S 600 UL/CSA  
PR221DS-LS/I 600  
3p F F

Dimensions

|                             |          |          |          |
|-----------------------------|----------|----------|----------|
| Product Net Depth / Length: | 103.5 mm | 103.5 mm | 103.5 mm |
| Product Net Height:         | 205 mm   | 205 mm   | 205 mm   |
| Product Net Weight:         | 5.1 kg   | 5.1 kg   | 5.1 kg   |
| Product Net Width:          | 140 mm   | 140 mm   | 140 mm   |

Additional Information

|                             |                               |                               |                               |
|-----------------------------|-------------------------------|-------------------------------|-------------------------------|
| Product Main Type:          | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   |
| Product Name:               | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  |
| Product Type:               | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     |
| Suitable For:               | T5                            | T5                            | T5                            |
| Suitable for Product Class: | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers |
| Version:                    | F                             | F                             | F                             |

Technical

|                                                         |                                                  |                                                  |                                                  |
|---------------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|
| Mechanical Durability:                                  | 20000 cycle<br>120 cycles per hour               | 20000 cycle<br>120 cycles per hour               | 20000 cycle<br>120 cycles per hour               |
| Number of Poles:                                        | 3                                                | 3                                                | 3                                                |
| Power Loss:                                             | at Rated Operating<br>Conditions per Pole 37.1 W | at Rated Operating<br>Conditions per Pole 37.1 W | at Rated Operating<br>Conditions per Pole 37.1 W |
| Rated Current (I <sub>n</sub> ):                        | 600 A                                            | 600 A                                            | 600 A                                            |
| Rated Impulse Withstand<br>Voltage (U <sub>imp</sub> ): | 8 kV                                             | 8 kV                                             | 8 kV                                             |
| Rated Insulation Voltage (U <sub>i</sub> ):             | 1000 V                                           | 1000 V                                           | 1000 V                                           |
| Rated Operational Voltage:                              | 600 V AC                                         | 600 V AC                                         | 600 V AC                                         |
| Rated Uninterrupted Current<br>(I <sub>u</sub> ):       | 600 A                                            | 600 A                                            | 600 A                                            |
| Release:                                                | PR222DS/P-LSI                                    | PR222DS/P-LSIG                                   | PR221DS-LS/I                                     |
| Release Type:                                           | EL                                               | EL                                               | EL                                               |
| Short-Circuit Performance<br>Level:                     | S                                                | S                                                | S                                                |
| Standards:                                              | UL                                               | UL                                               | UL                                               |
| Sub-type:                                               | T5                                               | T5                                               | T5                                               |

|                                        |                                 |                                 |                                 |
|----------------------------------------|---------------------------------|---------------------------------|---------------------------------|
| Terminal Connection Type:              | Fixed Circuit-Breakers<br>Front | Fixed Circuit-Breakers<br>Front | Fixed Circuit-Breakers<br>Front |
| Test Voltage Max (U <sub>test</sub> ): | 3500 V                          | 3500 V                          | 3500 V                          |

Technical UL/CSA

|                                       |                                                           |                                                           |                                                           |
|---------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|
| Interrupting Rating acc. to<br>UL489: | (240 V AC) 100 kA<br>(480 V AC) 35 kA<br>(600 V AC) 25 kA | (240 V AC) 100 kA<br>(480 V AC) 35 kA<br>(600 V AC) 25 kA | (240 V AC) 100 kA<br>(480 V AC) 35 kA<br>(600 V AC) 25 kA |
|---------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|

**T5S 630 Ekip E-LSIG**  
**In=630A 4p F F**

**T5S 630 Ekip E-LSIG**  
**In=630A 3p F F**

**Dimensions**

|                             |          |          |
|-----------------------------|----------|----------|
| Product Net Depth / Length: | 103.5 mm | 103.5 mm |
| Product Net Height:         | 205 mm   | 205 mm   |
| Product Net Weight:         | 6.2 kg   | 5.1 kg   |
| Product Net Width:          | 186 mm   | 140 mm   |

**Container Information**

|                                 |               |               |
|---------------------------------|---------------|---------------|
| Package Level 1 Depth / Length: | 286 mm        | 286 mm        |
| Package Level 1 EAN:            | 8015644876067 | 8015644876012 |
| Package Level 1 Gross Weight:   | 6.2 kg        | 5.1 kg        |
| Package Level 1 Height:         | 228 mm        | 228 mm        |
| Package Level 1 Width:          | 228 mm        | 228 mm        |

**Additional Information**

|                             |                               |                               |
|-----------------------------|-------------------------------|-------------------------------|
| Product Main Type:          | SACE Tmax T                   | SACE Tmax T                   |
| Product Name:               | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  |
| Product Type:               | Automatic Circuit Breaker     | Automatic Circuit Breaker     |
| Suitable For:               | T5                            | T5                            |
| Suitable for Product Class: | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers |
| Version:                    | F                             | F                             |

**Technical**

|                                                |                                    |                                    |
|------------------------------------------------|------------------------------------|------------------------------------|
| Electrical Durability:                         | 5000 cycle<br>60 cycles per hour   | 5000 cycle<br>60 cycles per hour   |
| Mechanical Durability:                         | 20000 cycle<br>120 cycles per hour | 20000 cycle<br>120 cycles per hour |
| Number of Poles:                               | 4                                  | 3                                  |
| Rated Current ( $I_n$ ):                       | 630 A                              | 630 A                              |
| Rated Impulse Withstand Voltage ( $U_{imp}$ ): | 8 kV                               | 8 kV                               |
| Rated Insulation Voltage ( $U_i$ ):            | 1000 V                             | 1000 V                             |
| Rated Operational Voltage:                     | 690 V AC                           | 690 V AC                           |

|                                                                              |                                                                                                                                                              |                                                                                                                                                              |
|------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Rated Service Short-Circuit Breaking Capacity (<math>I_{cs}</math>):</b>  | (220 V AC) 85 kA<br>(230 V AC) 85 kA<br>(380 V AC) 50 kA<br>(400 V AC) 50 kA<br>(415 V AC) 50 kA<br>(440 V AC) 40 kA<br>(500 V AC) 30 kA<br>(690 V AC) 25 kA | (220 V AC) 85 kA<br>(230 V AC) 85 kA<br>(380 V AC) 50 kA<br>(400 V AC) 50 kA<br>(415 V AC) 50 kA<br>(440 V AC) 40 kA<br>(500 V AC) 30 kA<br>(690 V AC) 25 kA |
| <b>Rated Ultimate Short-Circuit Breaking Capacity (<math>I_{cu}</math>):</b> | (220 V AC) 85 kA<br>(230 V AC) 85 kA<br>(380 V AC) 50 kA<br>(400 V AC) 50 kA<br>(415 V AC) 50 kA<br>(440 V AC) 40 kA<br>(500 V AC) 30 kA<br>(690 V AC) 25 kA | (220 V AC) 85 kA<br>(230 V AC) 85 kA<br>(380 V AC) 50 kA<br>(400 V AC) 50 kA<br>(415 V AC) 50 kA<br>(440 V AC) 40 kA<br>(500 V AC) 30 kA<br>(690 V AC) 25 kA |
| <b>Rated Uninterrupted Current (<math>I_u</math>):</b>                       | 630 A                                                                                                                                                        | 630 A                                                                                                                                                        |
| <b>Release:</b>                                                              | Ekip E-LSIG                                                                                                                                                  | Ekip E-LSIG                                                                                                                                                  |
| <b>Release Type:</b>                                                         | EL                                                                                                                                                           | EL                                                                                                                                                           |
| <b>Short-Circuit Performance Level:</b>                                      | S                                                                                                                                                            | S                                                                                                                                                            |
| <b>Standards:</b>                                                            | IEC                                                                                                                                                          | IEC                                                                                                                                                          |
| <b>Sub-type:</b>                                                             | T5                                                                                                                                                           | T5                                                                                                                                                           |
| <b>Terminal Connection Type:</b>                                             | Fixed Circuit-Breakers<br>Front                                                                                                                              | Fixed Circuit-Breakers<br>Front                                                                                                                              |



**T5S 630  
PR221DS-LS/I  
In=630 3p F F**



**T5S 630  
PR221DS-LS/I  
In=630 4p F F**



**T5S 630  
PR221DS-I  
In=630 4p  
F F**



**T5S 630  
PR221DS-I  
In=630 3p  
F F**

**Dimensions**

|                                    |          |          |          |          |
|------------------------------------|----------|----------|----------|----------|
| <b>Product Net Depth / Length:</b> | 103.5 mm | 103.5 mm | 103.5 mm | 103.5 mm |
| <b>Product Net Height:</b>         | 205 mm   | 205 mm   | 205 mm   | 205 mm   |
| <b>Product Net Weight:</b>         | 4.875 kg | 6.047 kg | 6.2 kg   | 5.1 kg   |
| <b>Product Net Width:</b>          | 140 mm   | 186 mm   | 186 mm   | 140 mm   |

Container Information

|                                 |         |         |         |         |
|---------------------------------|---------|---------|---------|---------|
| Package Level 1 Depth / Length: | 285 mm  | 285 mm  | 285 mm  | 285 mm  |
| Package Level 1 EAN:            |         |         |         |         |
| Package Level 1 Gross Weight:   | 5.1 kg  | 6.2 kg  | 6.2 kg  | 5.1 kg  |
| Package Level 1 Height:         | 240 mm  | 240 mm  | 240 mm  | 240 mm  |
| Package Level 1 Units:          | 1 piece | 1 piece | 1 piece | 1 piece |
| Package Level 1 Width:          | 248 mm  | 248 mm  | 248 mm  | 248 mm  |

Additional Information

|                             |                               |                               |                               |                               |
|-----------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Product Main Type:          | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   |
| Product Name:               | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  |
| Product Type:               | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     |
| Suitable For:               | T5                            | T5                            | T5                            | T5                            |
| Suitable for Product Class: | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers |
| Version:                    | F                             | F                             | F                             | F                             |

Technical

|                                                                    |                                                                                                                                                              |                                                                                                                                                              |                                                                                                                                                              |                                                                                                                                                              |
|--------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical Durability:                                             | 5000 cycle<br>60 cycles per hour                                                                                                                             | 5000 cycle<br>60 cycles per hour                                                                                                                             | 5000 cycle<br>60 cycles per hour                                                                                                                             | 5000 cycle<br>60 cycles per hour                                                                                                                             |
| Mechanical Durability:                                             | 20000 cycle<br>120 cycles per hour                                                                                                                           | 20000 cycle<br>120 cycles per hour                                                                                                                           | 20000 cycle<br>120 cycles per hour                                                                                                                           | 20000 cycle<br>120 cycles per hour                                                                                                                           |
| Number of Poles:                                                   | 3                                                                                                                                                            | 4                                                                                                                                                            | 4                                                                                                                                                            | 3                                                                                                                                                            |
| Power Loss:                                                        | at Rated Operating Conditions per Pole 41 W                                                                                                                  | at Rated Operating Conditions per Pole 41 W                                                                                                                  | at Rated Operating Conditions per Pole 41 W                                                                                                                  | at Rated Operating Conditions per Pole 41 W                                                                                                                  |
| Rated Current (I <sub>n</sub> ):                                   | 630 A                                                                                                                                                        | 630 A                                                                                                                                                        | 630 A                                                                                                                                                        | 630 A                                                                                                                                                        |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ):               | 8 kV                                                                                                                                                         | 8 kV                                                                                                                                                         | 8 kV                                                                                                                                                         | 8 kV                                                                                                                                                         |
| Rated Insulation Voltage (U <sub>i</sub> ):                        | 1000 V                                                                                                                                                       | 1000 V                                                                                                                                                       | 1000 V                                                                                                                                                       | 1000 V                                                                                                                                                       |
| Rated Operational Voltage:                                         | 690 V AC                                                                                                                                                     | 690 V AC                                                                                                                                                     | 690 V AC                                                                                                                                                     | 690 V AC                                                                                                                                                     |
| Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> ):  | (220 V AC) 85 kA<br>(230 V AC) 85 kA<br>(380 V AC) 50 kA<br>(400 V AC) 50 kA<br>(415 V AC) 50 kA<br>(440 V AC) 40 kA<br>(500 V AC) 30 kA<br>(690 V AC) 25 kA | (220 V AC) 85 kA<br>(230 V AC) 85 kA<br>(380 V AC) 50 kA<br>(400 V AC) 50 kA<br>(415 V AC) 50 kA<br>(440 V AC) 40 kA<br>(500 V AC) 30 kA<br>(690 V AC) 25 kA | (220 V AC) 85 kA<br>(230 V AC) 85 kA<br>(380 V AC) 50 kA<br>(400 V AC) 50 kA<br>(415 V AC) 50 kA<br>(440 V AC) 40 kA<br>(500 V AC) 30 kA<br>(690 V AC) 25 kA | (220 V AC) 85 kA<br>(230 V AC) 85 kA<br>(380 V AC) 50 kA<br>(400 V AC) 50 kA<br>(415 V AC) 50 kA<br>(440 V AC) 40 kA<br>(500 V AC) 30 kA<br>(690 V AC) 25 kA |
| Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cw</sub> ): | (220 V AC) 85 kA<br>(230 V AC) 85 kA<br>(380 V AC) 50 kA<br>(400 V AC) 50 kA<br>(415 V AC) 50 kA<br>(440 V AC) 40 kA<br>(500 V AC) 30 kA<br>(690 V AC) 25 kA | (220 V AC) 85 kA<br>(230 V AC) 85 kA<br>(380 V AC) 50 kA<br>(400 V AC) 50 kA<br>(415 V AC) 50 kA<br>(440 V AC) 40 kA<br>(500 V AC) 30 kA<br>(690 V AC) 25 kA | (220 V AC) 85 kA<br>(230 V AC) 85 kA<br>(380 V AC) 50 kA<br>(400 V AC) 50 kA<br>(415 V AC) 50 kA<br>(440 V AC) 40 kA<br>(500 V AC) 30 kA<br>(690 V AC) 25 kA | (220 V AC) 85 kA<br>(230 V AC) 85 kA<br>(380 V AC) 50 kA<br>(400 V AC) 50 kA<br>(415 V AC) 50 kA<br>(440 V AC) 40 kA<br>(500 V AC) 30 kA<br>(690 V AC) 25 kA |
| Rated Uninterrupted Current (I <sub>u</sub> ):                     | 630 A                                                                                                                                                        | 630 A                                                                                                                                                        | 630 A                                                                                                                                                        | 630 A                                                                                                                                                        |
| Release:                                                           | PR221DS-LS/I                                                                                                                                                 | PR221DS-LS/I                                                                                                                                                 | PR221DS-I                                                                                                                                                    | PR221DS-I                                                                                                                                                    |
| Release Type:                                                      | EL                                                                                                                                                           | EL                                                                                                                                                           | EL                                                                                                                                                           | EL                                                                                                                                                           |
| Short-Circuit Performance Level:                                   | S                                                                                                                                                            | S                                                                                                                                                            | S                                                                                                                                                            | S                                                                                                                                                            |

|                                                           |                              |                              |                              |                              |
|-----------------------------------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| <b>Standards:</b>                                         | IEC                          | IEC                          | IEC                          | IEC                          |
| <b>Sub-type:</b>                                          | T5                           | T5                           | T5                           | T5                           |
| <b>Terminal Connection Type:</b>                          | Fixed Circuit-Breakers Front | Fixed Circuit-Breakers Front | Fixed Circuit-Breakers Front | Fixed Circuit-Breakers Front |
| <b>Test Voltage at Industrial Frequency for 1 Minute:</b> | 3500 V                       | 3500 V                       | 3500 V                       | 3500 V                       |
| <b>Test Voltage Max (U<sub>test</sub>):</b>               | 3500 V                       | 3500 V                       | 3500 V                       | 3500 V                       |



**T5S 630  
PR222DS/P-  
LSIG In=630 3p  
F F**



**T5S 630  
PR222DS/P-  
LSIG In=630 4p  
F F**



**T5S 630  
PR222DS/P-  
LSI In=630 3p  
F F**



**T5S 630  
PR222DS/P-  
LSI In=630 4p  
F F**

**Dimensions**

|                                    |          |          |          |          |
|------------------------------------|----------|----------|----------|----------|
| <b>Product Net Depth / Length:</b> | 103.5 mm | 103.5 mm | 103.5 mm | 103.5 mm |
| <b>Product Net Height:</b>         | 205 mm   | 205 mm   | 205 mm   | 205 mm   |
| <b>Product Net Weight:</b>         | 5 kg     | 6.2 kg   | 5.1 kg   | 6.2 kg   |
| <b>Product Net Width:</b>          | 140 mm   | 186 mm   | 140 mm   | 186 mm   |

**Container Information**

|                                        |         |         |         |         |
|----------------------------------------|---------|---------|---------|---------|
| <b>Package Level 1 Depth / Length:</b> | 285 mm  | 285 mm  | 285 mm  | 285 mm  |
| <b>Package Level 1 EAN:</b>            |         |         |         |         |
| <b>Package Level 1 Gross Weight:</b>   | 5.1 kg  | 6.2 kg  | 5.1 kg  | 6.2 kg  |
| <b>Package Level 1 Height:</b>         | 240 mm  | 240 mm  | 240 mm  | 240 mm  |
| <b>Package Level 1 Units:</b>          | 1 piece | 1 piece | 1 piece | 1 piece |
| <b>Package Level 1 Width:</b>          | 248 mm  | 248 mm  | 248 mm  | 248 mm  |

**Additional Information**

|                                    |                               |                               |                               |                               |
|------------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| <b>Product Main Type:</b>          | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   |
| <b>Product Name:</b>               | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  |
| <b>Product Type:</b>               | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     |
| <b>Suitable For:</b>               | T5                            | T5                            | T5                            | T5                            |
| <b>Suitable for Product Class:</b> | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers |
| <b>Version:</b>                    | F                             | F                             | F                             | F                             |

Technical

|                                                                       |                                                                                                                                                              |                                                                                                                                                              |                                                                                                                                                              |                                                                                                                                                              |
|-----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical Durability:                                                | 5000 cycle<br>60 cycles per hour                                                                                                                             | 5000 cycle<br>60 cycles per hour                                                                                                                             | 5000 cycle<br>60 cycles per hour                                                                                                                             | 5000 cycle<br>60 cycles per hour                                                                                                                             |
| Mechanical Durability:                                                | 20000 cycle<br>120 cycles per hour                                                                                                                           | 20000 cycle<br>120 cycles per hour                                                                                                                           | 20000 cycle<br>120 cycles per hour                                                                                                                           | 20000 cycle<br>120 cycles per hour                                                                                                                           |
| Number of Poles:                                                      | 3                                                                                                                                                            | 4                                                                                                                                                            | 3                                                                                                                                                            | 4                                                                                                                                                            |
| Power Loss:                                                           | at Rated Operating<br>Conditions per Pole 41 W                                                                                                               | at Rated Operating<br>Conditions per Pole 41 W                                                                                                               | at Rated Operating<br>Conditions per Pole 41 W                                                                                                               | at Rated Operating<br>Conditions per Pole 41 W                                                                                                               |
| Rated Current (I <sub>n</sub> ):                                      | 630 A                                                                                                                                                        | 630 A                                                                                                                                                        | 630 A                                                                                                                                                        | 630 A                                                                                                                                                        |
| Rated Impulse Withstand<br>Voltage (U <sub>imp</sub> ):               | 8 kV                                                                                                                                                         | 8 kV                                                                                                                                                         | 8 kV                                                                                                                                                         | 8 kV                                                                                                                                                         |
| Rated Insulation Voltage (U <sub>i</sub> ):                           | 1000 V                                                                                                                                                       | 1000 V                                                                                                                                                       | 1000 V                                                                                                                                                       | 1000 V                                                                                                                                                       |
| Rated Operational Voltage:                                            | 690 V AC                                                                                                                                                     | 690 V AC                                                                                                                                                     | 690 V AC                                                                                                                                                     | 690 V AC                                                                                                                                                     |
| Rated Service Short-Circuit<br>Breaking Capacity (I <sub>cs</sub> ):  | (220 V AC) 85 kA<br>(230 V AC) 85 kA<br>(380 V AC) 50 kA<br>(400 V AC) 50 kA<br>(415 V AC) 50 kA<br>(440 V AC) 40 kA<br>(500 V AC) 30 kA<br>(690 V AC) 25 kA | (220 V AC) 85 kA<br>(230 V AC) 85 kA<br>(380 V AC) 50 kA<br>(400 V AC) 50 kA<br>(415 V AC) 50 kA<br>(440 V AC) 40 kA<br>(500 V AC) 30 kA<br>(690 V AC) 25 kA | (220 V AC) 85 kA<br>(230 V AC) 85 kA<br>(380 V AC) 50 kA<br>(400 V AC) 50 kA<br>(415 V AC) 50 kA<br>(440 V AC) 40 kA<br>(500 V AC) 30 kA<br>(690 V AC) 25 kA | (220 V AC) 85 kA<br>(230 V AC) 85 kA<br>(380 V AC) 50 kA<br>(400 V AC) 50 kA<br>(415 V AC) 50 kA<br>(440 V AC) 40 kA<br>(500 V AC) 30 kA<br>(690 V AC) 25 kA |
| Rated Ultimate Short-Circuit<br>Breaking Capacity (I <sub>cu</sub> ): | (220 V AC) 85 kA<br>(230 V AC) 85 kA<br>(380 V AC) 50 kA<br>(400 V AC) 50 kA<br>(415 V AC) 50 kA<br>(440 V AC) 40 kA<br>(500 V AC) 30 kA<br>(690 V AC) 25 kA | (220 V AC) 85 kA<br>(230 V AC) 85 kA<br>(380 V AC) 50 kA<br>(400 V AC) 50 kA<br>(415 V AC) 50 kA<br>(440 V AC) 40 kA<br>(500 V AC) 30 kA<br>(690 V AC) 25 kA | (220 V AC) 85 kA<br>(230 V AC) 85 kA<br>(380 V AC) 50 kA<br>(400 V AC) 50 kA<br>(415 V AC) 50 kA<br>(440 V AC) 40 kA<br>(500 V AC) 30 kA<br>(690 V AC) 25 kA | (220 V AC) 85 kA<br>(230 V AC) 85 kA<br>(380 V AC) 50 kA<br>(400 V AC) 50 kA<br>(415 V AC) 50 kA<br>(440 V AC) 40 kA<br>(500 V AC) 30 kA<br>(690 V AC) 25 kA |
| Rated Uninterrupted Current<br>(I <sub>u</sub> ):                     | 630 A                                                                                                                                                        | 630 A                                                                                                                                                        | 630 A                                                                                                                                                        | 630 A                                                                                                                                                        |
| Release:                                                              | PR222DS/P-LSIG                                                                                                                                               | PR222DS/P-LSIG                                                                                                                                               | PR222DS/P-LSI                                                                                                                                                | PR222DS/P-LSI                                                                                                                                                |
| Release Type:                                                         | EL                                                                                                                                                           | EL                                                                                                                                                           | EL                                                                                                                                                           | EL                                                                                                                                                           |
| Short-Circuit Performance<br>Level:                                   | S                                                                                                                                                            | S                                                                                                                                                            | S                                                                                                                                                            | S                                                                                                                                                            |
| Standards:                                                            | IEC                                                                                                                                                          | IEC                                                                                                                                                          | IEC                                                                                                                                                          | IEC                                                                                                                                                          |
| Sub-type:                                                             | T5                                                                                                                                                           | T5                                                                                                                                                           | T5                                                                                                                                                           | T5                                                                                                                                                           |
| Terminal Connection Type:                                             | Fixed Circuit-Breakers<br>Front                                                                                                                              | Fixed Circuit-Breakers<br>Front                                                                                                                              | Fixed Circuit-Breakers<br>Front                                                                                                                              | Fixed Circuit-Breakers<br>Front                                                                                                                              |
| Test Voltage at Industrial<br>Frequency for 1 Minute:                 | 3500 V                                                                                                                                                       | 3500 V                                                                                                                                                       | 3500 V                                                                                                                                                       | 3500 V                                                                                                                                                       |
| Test Voltage Max (U <sub>test</sub> ):                                | 3500 V                                                                                                                                                       | 3500 V                                                                                                                                                       | 3500 V                                                                                                                                                       | 3500 V                                                                                                                                                       |



**T5S 630 TMA  
500-5000 4p F F**



**T5S 630 TMA  
500-5000 3p F F**



**T5S 630 TMA  
500-5000 3p F F EPR**

## Dimensions

|                                    |          |          |          |
|------------------------------------|----------|----------|----------|
| <b>Product Net Depth / Length:</b> | 103.5 mm | 103.5 mm | 103.5 mm |
| <b>Product Net Height:</b>         | 205 mm   | 205 mm   | 205.0 mm |
| <b>Product Net Weight:</b>         | 5.1 kg   | 4.8 kg   | 4.8 kg   |
| <b>Product Net Width:</b>          | 186 mm   | 140 mm   | 140.0 mm |

## Container Information

|                                        |         |         |             |
|----------------------------------------|---------|---------|-------------|
| <b>Package Level 1 Depth / Length:</b> | 285 mm  | 285 mm  | 285 mm      |
| <b>Package Level 1 EAN:</b>            |         |         |             |
| <b>Package Level 1 Gross Weight:</b>   | 5.1 kg  | 4.8 kg  | 4.8 kg      |
| <b>Package Level 1 Height:</b>         | 240 mm  | 240 mm  | 240 mm      |
| <b>Package Level 1 Units:</b>          | 1 piece | 1 piece | box 1 piece |
| <b>Package Level 1 Width:</b>          | 248 mm  | 248 mm  | 248 mm      |

## Additional Information

|                                    |                               |                               |                              |
|------------------------------------|-------------------------------|-------------------------------|------------------------------|
| <b>Product Main Type:</b>          | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax XT                 |
| <b>Product Name:</b>               | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker |
| <b>Product Type:</b>               | Automatic Circuit Breaker     | Automatic Circuit Breaker     | N/A                          |
| <b>Suitable For:</b>               | T5                            | T5                            | N/A                          |
| <b>Suitable for Product Class:</b> | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | N/A                          |
| <b>Version:</b>                    | F                             | F                             | F                            |

## Technical

|                               |                                    |                                    |     |
|-------------------------------|------------------------------------|------------------------------------|-----|
| <b>Electrical Durability:</b> | 5000 cycle<br>60 cycles per hour   | 5000 cycle<br>60 cycles per hour   | N/A |
| <b>Mechanical Durability:</b> | 20000 cycle<br>120 cycles per hour | 20000 cycle<br>120 cycles per hour | N/A |
| <b>Number of Poles:</b>       | 4                                  | 3                                  | N/A |

|                                                                         |                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                         |            |
|-------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| <b>Power Loss:</b>                                                      | at Rated Operating<br>Conditions per Pole 28.8 W                                                                                                                                                                                                                                        | at Rated Operating<br>Conditions per Pole 28.8 W                                                                                                                                                                                                                                        | <b>N/A</b> |
| <b>Rated Current (I<sub>n</sub>):</b>                                   | 500 A                                                                                                                                                                                                                                                                                   | 500 A                                                                                                                                                                                                                                                                                   | <b>N/A</b> |
| <b>Rated Impulse Withstand Voltage (U<sub>imp</sub>):</b>               | 8 kV                                                                                                                                                                                                                                                                                    | 8 kV                                                                                                                                                                                                                                                                                    | <b>N/A</b> |
| <b>Rated Insulation Voltage (U<sub>i</sub>):</b>                        | 1000 V                                                                                                                                                                                                                                                                                  | 1000 V                                                                                                                                                                                                                                                                                  | <b>N/A</b> |
| <b>Rated Operational Voltage:</b>                                       | 690 V AC<br>750 V DC                                                                                                                                                                                                                                                                    | 690 V AC<br>750 V DC                                                                                                                                                                                                                                                                    | <b>N/A</b> |
| <b>Rated Service Short-Circuit Breaking Capacity (I<sub>cs</sub>):</b>  | (220 V AC) 85 kA<br>(230 V AC) 85 kA<br>(380 V AC) 50 kA<br>(400 V AC) 50 kA                                                                                                                                                                                                            | (220 V AC) 85 kA<br>(230 V AC) 85 kA<br>(380 V AC) 50 kA<br>(400 V AC) 50 kA                                                                                                                                                                                                            | <b>N/A</b> |
| <b>Rated Ultimate Short-Circuit Breaking Capacity (I<sub>cu</sub>):</b> | (415 V AC) 50 kA<br>(440 V AC) 40 kA<br>(500 V AC) 30 kA<br>(690 V AC) 25 kA                                                                                                                                                                                                            | (415 V AC) 50 kA<br>(440 V AC) 40 kA<br>(500 V AC) 30 kA<br>(690 V AC) 25 kA                                                                                                                                                                                                            | <b>N/A</b> |
|                                                                         | (220 V AC) 85 kA<br>(230 V AC) 85 kA<br>(380 V AC) 50 kA<br>(400 V AC) 50 kA<br>(415 V AC) 50 kA<br>(440 V AC) 40 kA<br>(500 V AC) 30 kA<br>(690 V AC) 25 kA<br>(250 V DC) 2 Poles in Series<br>50 kA<br>(500 V DC) 2 Poles in Series<br>36 kA<br>(750 V DC) 3 Poles in Series<br>25 kA | (220 V AC) 85 kA<br>(230 V AC) 85 kA<br>(380 V AC) 50 kA<br>(400 V AC) 50 kA<br>(415 V AC) 50 kA<br>(440 V AC) 40 kA<br>(500 V AC) 30 kA<br>(690 V AC) 25 kA<br>(250 V DC) 2 Poles in Series<br>50 kA<br>(500 V DC) 2 Poles in Series<br>36 kA<br>(750 V DC) 3 Poles in Series<br>25 kA |            |
| <b>Rated Uninterrupted Current (I<sub>u</sub>):</b>                     | 630 A                                                                                                                                                                                                                                                                                   | 630 A                                                                                                                                                                                                                                                                                   | <b>N/A</b> |
| <b>Release:</b>                                                         | TMA                                                                                                                                                                                                                                                                                     | TMA                                                                                                                                                                                                                                                                                     | <b>N/A</b> |
| <b>Release Type:</b>                                                    | TM                                                                                                                                                                                                                                                                                      | TM                                                                                                                                                                                                                                                                                      | <b>N/A</b> |
| <b>Short-Circuit Performance Level:</b>                                 | S                                                                                                                                                                                                                                                                                       | S                                                                                                                                                                                                                                                                                       | <b>N/A</b> |
| <b>Standards:</b>                                                       | IEC                                                                                                                                                                                                                                                                                     | IEC                                                                                                                                                                                                                                                                                     | <b>N/A</b> |
| <b>Sub-type:</b>                                                        | T5                                                                                                                                                                                                                                                                                      | T5                                                                                                                                                                                                                                                                                      | <b>N/A</b> |
| <b>Terminal Connection Type:</b>                                        | Fixed Circuit-Breakers<br>Front                                                                                                                                                                                                                                                         | Fixed Circuit-Breakers<br>Front                                                                                                                                                                                                                                                         | Front      |
| <b>Test Voltage at Industrial Frequency for 1 Minute:</b>               | 3500 V                                                                                                                                                                                                                                                                                  | 3500 V                                                                                                                                                                                                                                                                                  | <b>N/A</b> |
| <b>Test Voltage Max (U<sub>test</sub>):</b>                             | 3500 V                                                                                                                                                                                                                                                                                  | 3500 V                                                                                                                                                                                                                                                                                  | <b>N/A</b> |

T5V 400  
Ekip E-LSIG  
In=320A 4p  
F F

T5V 400  
Ekip E-LSIG  
In=320A 3p  
F F

T5V 400  
Ekip E-LSIG  
In=400A 3p  
F F

T5V 400  
Ekip E-LSIG  
In=400A 4p  
F F

Dimensions

|                             |          |          |          |          |
|-----------------------------|----------|----------|----------|----------|
| Product Net Depth / Length: | 103.5 mm | 103.5 mm | 103.5 mm | 103.5 mm |
| Product Net Height:         | 205 mm   | 205 mm   | 205 mm   | 205 mm   |
| Product Net Weight:         | 6.2 kg   | 5.1 kg   | 5.1 kg   | 6.2 kg   |
| Product Net Width:          | 186 mm   | 140 mm   | 140 mm   | 186 mm   |

Additional Information

|                    |                              |                              |                              |                              |
|--------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| Product Main Type: | SACE Tmax T                  | SACE Tmax T                  | SACE Tmax T                  | SACE Tmax T                  |
| Product Name:      | Moulded Case Circuit Breaker | Moulded Case Circuit Breaker | Moulded Case Circuit Breaker | Moulded Case Circuit Breaker |

|                             |                               |                               |                               |                               |
|-----------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Product Type:               | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     |
| Suitable For:               | T5                            | T5                            | T5                            | T5                            |
| Suitable for Product Class: | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers |
| Version:                    | F                             | F                             | F                             | F                             |

Technical

|                                                                    |                                                                                                                                                                     |                                                                                                                                                                     |                                                                                                                                                                     |                                                                                                                                                                     |
|--------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical Durability:                                             | 7000 cycle<br>60 cycles per hour                                                                                                                                    | 7000 cycle<br>60 cycles per hour                                                                                                                                    | 7000 cycle<br>60 cycles per hour                                                                                                                                    | 7000 cycle<br>60 cycles per hour                                                                                                                                    |
| Mechanical Durability:                                             | 20000 cycle<br>120 cycles per hour                                                                                                                                  | 20000 cycle<br>120 cycles per hour                                                                                                                                  | 20000 cycle<br>120 cycles per hour                                                                                                                                  | 20000 cycle<br>120 cycles per hour                                                                                                                                  |
| Number of Poles:                                                   | 4                                                                                                                                                                   | 3                                                                                                                                                                   | 3                                                                                                                                                                   | 4                                                                                                                                                                   |
| Rated Current (I <sub>n</sub> ):                                   | 320 A                                                                                                                                                               | 320 A                                                                                                                                                               | 400 A                                                                                                                                                               | 400 A                                                                                                                                                               |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ):               | 8 kV                                                                                                                                                                | 8 kV                                                                                                                                                                | 8 kV                                                                                                                                                                | 8 kV                                                                                                                                                                |
| Rated Insulation Voltage (U <sub>i</sub> ):                        | 1000 V                                                                                                                                                              | 1000 V                                                                                                                                                              | 1000 V                                                                                                                                                              | 1000 V                                                                                                                                                              |
| Rated Operational Voltage:                                         | 690 V AC                                                                                                                                                            | 690 V AC                                                                                                                                                            | 690 V AC                                                                                                                                                            | 690 V AC                                                                                                                                                            |
| Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> ):  | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA |
| Rated Short-time Withstand Current Low Voltage (I <sub>cw</sub> ): | for 1 s 5 kA                                                                                                                                                        | for 1 s 5 kA                                                                                                                                                        | for 1 s 5 kA                                                                                                                                                        | for 1 s 5 kA                                                                                                                                                        |
| Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> ): | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA |

|                                                |                              |                              |                              |                              |
|------------------------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| Rated Uninterrupted Current (I <sub>u</sub> ): | 400 A                        | 400 A                        | 400 A                        | 400 A                        |
| Release:                                       | Ekip E-LSIG                  | Ekip E-LSIG                  | Ekip E-LSIG                  | Ekip E-LSIG                  |
| Release Type:                                  | EL                           | EL                           | EL                           | EL                           |
| Short-Circuit Performance Level:               | V                            | V                            | V                            | V                            |
| Standards:                                     | IEC                          | IEC                          | IEC                          | IEC                          |
| Sub-type:                                      | T5                           | T5                           | T5                           | T5                           |
| Terminal Connection Type:                      | Fixed Circuit-Breakers Front | Fixed Circuit-Breakers Front | Fixed Circuit-Breakers Front | Fixed Circuit-Breakers Front |



**T5V 400**  
**PR221DS-I**  
**In=320 4p F**  
**FC 1150VAC**



**T5V 400**  
**PR221DS-I**  
**In=320 3p F**  
**F**



**T5V 400**  
**PR221DS-I**  
**In=320 4p**  
**F F**



**T5V 400**  
**PR221DS-I**  
**In=320 3p F FC**  
**1150VAC**

### Dimensions

|                             |          |          |          |          |
|-----------------------------|----------|----------|----------|----------|
| Product Net Depth / Length: | 103.5 mm | 103.5 mm | 103.5 mm | 103.5 mm |
| Product Net Height:         | 205 mm   | 205 mm   | 205 mm   | 205 mm   |
| Product Net Weight:         | 6.2 kg   | 5.1 kg   | 6.2 kg   | 5.1 kg   |
| Product Net Width:          | 184 mm   | 140 mm   | 186 mm   | 140 mm   |

### Container Information

|                                 |         |         |         |         |
|---------------------------------|---------|---------|---------|---------|
| Package Level 1 Depth / Length: | 285 mm  | 285 mm  | 285 mm  | 285 mm  |
| Package Level 1 EAN:            |         |         |         |         |
| Package Level 1 Gross Weight:   | 6.2 kg  | 5.1 kg  | 6.2 kg  | 5.1 kg  |
| Package Level 1 Height:         | 240 mm  | 240 mm  | 240 mm  | 240 mm  |
| Package Level 1 Units:          | 1 piece | 1 piece | 1 piece | 1 piece |
| Package Level 1 Width:          | 248 mm  | 248 mm  | 248 mm  | 248 mm  |

### Additional Information

|                             |                               |                               |                               |                               |
|-----------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Product Main Type:          | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   |
| Product Name:               | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  |
| Product Type:               | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     |
| Suitable For:               | T5                            | T5                            | T5                            | T5                            |
| Suitable for Product Class: | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers |
| Version:                    | F                             | F                             | F                             | F                             |

Technical

|                                                                       |                                                   |                                                                                                                                                                     |                                                                                                                                                                     |                                                   |
|-----------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| Electrical Durability:                                                | 7000 cycle<br>60 cycles per hour                  | 7000 cycle<br>60 cycles per hour                                                                                                                                    | 7000 cycle<br>60 cycles per hour                                                                                                                                    | 7000 cycle<br>60 cycles per hour                  |
| Mechanical Durability:                                                | 20000 cycle<br>120 cycles per hour                | 20000 cycle<br>120 cycles per hour                                                                                                                                  | 20000 cycle<br>120 cycles per hour                                                                                                                                  | 20000 cycle<br>120 cycles per hour                |
| Number of Poles:                                                      | 4                                                 | 3                                                                                                                                                                   | 4                                                                                                                                                                   | 3                                                 |
| Power Loss:                                                           | at Rated Operating<br>Conditions per Pole 10.6 W  | at Rated Operating<br>Conditions per Pole 10.6 W                                                                                                                    | at Rated Operating<br>Conditions per Pole 10.6 W                                                                                                                    | at Rated Operating<br>Conditions per Pole 10.6 W  |
| Rated Current (I <sub>n</sub> ):                                      | 320 A                                             | 320 A                                                                                                                                                               | 320 A                                                                                                                                                               | 320 A                                             |
| Rated Impulse Withstand<br>Voltage (U <sub>imp</sub> ):               | 8 kV                                              | 8 kV                                                                                                                                                                | 8 kV                                                                                                                                                                | 8 kV                                              |
| Rated Insulation Voltage (U <sub>i</sub> ):                           | 1150 V                                            | 1000 V                                                                                                                                                              | 1000 V                                                                                                                                                              | 1000 V                                            |
| Rated Operational Voltage:                                            | 1150 V AC                                         | 690 V AC                                                                                                                                                            | 690 V AC                                                                                                                                                            | 1150 V AC                                         |
| Rated Service Short-Circuit<br>Breaking Capacity (I <sub>cs</sub> ):  | (1000 V AC) 10 kA<br>(1150 V AC) 6 kA             | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (1000 V AC) 10 kA<br>(1150 V AC) 6 kA             |
| Rated Short-time Withstand<br>Current Low Voltage (I <sub>cw</sub> ): | for 1 s 5 kA                                      | for 1 s 5 kA                                                                                                                                                        | for 1 s 5 kA                                                                                                                                                        | for 1 s 5 kA                                      |
| Rated Ultimate Short-Circuit<br>Breaking Capacity (I <sub>cu</sub> ): | (1000 V AC) 20 kA<br>(1150 V AC) 12 kA            | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (1000 V AC) 20 kA<br>(1150 V AC) 12 kA            |
| Rated Uninterrupted Current<br>(I <sub>u</sub> ):                     | 400 A                                             | 400 A                                                                                                                                                               | 400 A                                                                                                                                                               | 400 A                                             |
| Release:                                                              | PR221DS-I                                         | PR221DS-I                                                                                                                                                           | PR221DS-I                                                                                                                                                           | PR221DS-I                                         |
| Release Type:                                                         | EL                                                | EL                                                                                                                                                                  | EL                                                                                                                                                                  | EL                                                |
| Short-Circuit Performance<br>Level:                                   | V                                                 | V                                                                                                                                                                   | V                                                                                                                                                                   | V                                                 |
| Standards:                                                            | IEC                                               | IEC                                                                                                                                                                 | IEC                                                                                                                                                                 | IEC                                               |
| Sub-type:                                                             | T5                                                | T5                                                                                                                                                                  | T5                                                                                                                                                                  | T5                                                |
| Terminal Connection Type:                                             | Fixed Circuit-Breakers<br>Front for Copper Cables | Fixed Circuit-Breakers<br>Front                                                                                                                                     | Fixed Circuit-Breakers<br>Front                                                                                                                                     | Fixed Circuit-Breakers<br>Front for Copper Cables |
| Test Voltage at Industrial<br>Frequency for 1 Minute:                 | N/A                                               | 3500 V                                                                                                                                                              | 3500 V                                                                                                                                                              | N/A                                               |
| Test Voltage Max (U <sub>test</sub> ):                                | N/A                                               | 3500 V                                                                                                                                                              | 3500 V                                                                                                                                                              | N/A                                               |



**T5V 400  
PR221DS-I  
In=400 4p  
F F**

**T5V 400  
PR221DS-I  
In=400 3p  
F F**

**T5V 400  
PR221DS-I  
In=400 3p F  
FC 1150VAC**

**T5V 400  
PR221DS-I  
In=400 4p F FC  
1150VAC**

## Dimensions

|                                    |          |          |          |          |
|------------------------------------|----------|----------|----------|----------|
| <b>Product Net Depth / Length:</b> | 103.5 mm | 103.5 mm | 103.5 mm | 103.5 mm |
| <b>Product Net Height:</b>         | 205 mm   | 205 mm   | 205 mm   | 205 mm   |
| <b>Product Net Weight:</b>         | 6.2 kg   | 5.1 kg   | 5.1 kg   | 6.2 kg   |
| <b>Product Net Width:</b>          | 186 mm   | 140 mm   | 140 mm   | 184 mm   |

## Container Information

|                                        |         |         |          |         |
|----------------------------------------|---------|---------|----------|---------|
| <b>Package Level 1 Depth / Length:</b> | 285 mm  | 285 mm  | 285 mm   | 285 mm  |
| <b>Package Level 1 EAN:</b>            |         |         |          |         |
| <b>Package Level 1 Gross Weight:</b>   | 6.2 kg  | 5.1 kg  | 5.996 kg | 6.2 kg  |
| <b>Package Level 1 Height:</b>         | 240 mm  | 240 mm  | 240 mm   | 240 mm  |
| <b>Package Level 1 Units:</b>          | 1 piece | 1 piece | 1 piece  | 1 piece |
| <b>Package Level 1 Width:</b>          | 248 mm  | 248 mm  | 248 mm   | 248 mm  |

## Additional Information

|                                    |                               |                               |                               |                               |
|------------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| <b>Product Main Type:</b>          | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   |
| <b>Product Name:</b>               | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  |
| <b>Product Type:</b>               | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     |
| <b>Suitable For:</b>               | T5                            | T5                            | T5                            | T5                            |
| <b>Suitable for Product Class:</b> | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers |
| <b>Version:</b>                    | F                             | F                             | F                             | F                             |

## Technical

|                                                           |                                                  |                                                  |                                                  |                                                  |
|-----------------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|
| <b>Electrical Durability:</b>                             | 7000 cycle<br>60 cycles per hour                 | 7000 cycle<br>60 cycles per hour                 | 7000 cycle<br>60 cycles per hour                 | 7000 cycle<br>60 cycles per hour                 |
| <b>Mechanical Durability:</b>                             | 20000 cycle<br>120 cycles per hour               | 20000 cycle<br>120 cycles per hour               | 20000 cycle<br>120 cycles per hour               | 20000 cycle<br>120 cycles per hour               |
| <b>Number of Poles:</b>                                   | 4                                                | 3                                                | 3                                                | 4                                                |
| <b>Power Loss:</b>                                        | at Rated Operating<br>Conditions per Pole 16.5 W | at Rated Operating<br>Conditions per Pole 16.5 W | at Rated Operating<br>Conditions per Pole 16.5 W | at Rated Operating<br>Conditions per Pole 16.5 W |
| <b>Rated Current (I<sub>n</sub>):</b>                     | 400 A                                            | 400 A                                            | 400 A                                            | 400 A                                            |
| <b>Rated Impulse Withstand Voltage (U<sub>imp</sub>):</b> | 8 kV                                             | 8 kV                                             | 8 kV                                             | 8 kV                                             |
| <b>Rated Insulation Voltage (U<sub>i</sub>):</b>          | 1000 V                                           | 1000 V                                           | 1150 V                                           | 1150 V                                           |
| <b>Rated Operational Voltage:</b>                         | 690 V AC                                         | 690 V AC                                         | 1150 V AC                                        | 1150 V AC                                        |

|                                                                         |                                                                                                                                                                     |                                                                                                                                                                     |                                                |                                                |
|-------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|------------------------------------------------|
| <b>Rated Service Short-Circuit Breaking Capacity (I<sub>cs</sub>):</b>  | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (1000 V AC) 10 kA<br>(1150 V AC) 6 kA          | (1000 V AC) 10 kA<br>(1150 V AC) 6 kA          |
| <b>Rated Short-time Withstand Current Low Voltage (I<sub>cw</sub>):</b> | for 1 s 5 kA                                                                                                                                                        | for 1 s 5 kA                                                                                                                                                        | for 1 s 5 kA                                   | for 1 s 5 kA                                   |
| <b>Rated Ultimate Short-Circuit Breaking Capacity (I<sub>cu</sub>):</b> | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (1000 V AC) 20 kA<br>(1150 V AC) 12 kA         | (1000 V AC) 20 kA<br>(1150 V AC) 12 kA         |
| <b>Rated Uninterrupted Current (I<sub>u</sub>):</b>                     | 400 A                                                                                                                                                               | 400 A                                                                                                                                                               | 400 A                                          | 400 A                                          |
| <b>Release:</b>                                                         | PR221DS-I                                                                                                                                                           | PR221DS-I                                                                                                                                                           | PR221DS-I                                      | PR221DS-I                                      |
| <b>Release Type:</b>                                                    | EL                                                                                                                                                                  | EL                                                                                                                                                                  | EL                                             | EL                                             |
| <b>Short-Circuit Performance Level:</b>                                 | V                                                                                                                                                                   | V                                                                                                                                                                   | V                                              | V                                              |
| <b>Standards:</b>                                                       | IEC                                                                                                                                                                 | IEC                                                                                                                                                                 | IEC                                            | IEC                                            |
| <b>Sub-type:</b>                                                        | T5                                                                                                                                                                  | T5                                                                                                                                                                  | T5                                             | T5                                             |
| <b>Terminal Connection Type:</b>                                        | Fixed Circuit-Breakers Front                                                                                                                                        | Fixed Circuit-Breakers Front                                                                                                                                        | Fixed Circuit-Breakers Front for Copper Cables | Fixed Circuit-Breakers Front for Copper Cables |
| <b>Test Voltage at Industrial Frequency for 1 Minute:</b>               | 3500 V                                                                                                                                                              | 3500 V                                                                                                                                                              | N/A                                            | N/A                                            |
| <b>Test Voltage Max (U<sub>test</sub>):</b>                             | 3500 V                                                                                                                                                              | 3500 V                                                                                                                                                              | 3500 V                                         | N/A                                            |



T5V 400  
PR221DS-LS/I  
In=320 4p F F



T5V 400  
PR221DS-LS/I  
In=320 3p F F



T5V 400  
PR221DS-LS/I  
In=400 3p F F



T5V 400  
PR221DS-LS/I  
In=400 4p F F

### Dimensions

|                                    |          |          |          |          |
|------------------------------------|----------|----------|----------|----------|
| <b>Product Net Depth / Length:</b> | 103.5 mm | 103.5 mm | 103.5 mm | 103.5 mm |
| <b>Product Net Height:</b>         | 205 mm   | 205 mm   | 205 mm   | 205 mm   |
| <b>Product Net Weight:</b>         | 6.2 kg   | 5.1 kg   | 5.1 kg   | 6.2 kg   |
| <b>Product Net Width:</b>          | 186 mm   | 140 mm   | 140 mm   | 186 mm   |

Container Information

|                                 |         |         |         |         |
|---------------------------------|---------|---------|---------|---------|
| Package Level 1 Depth / Length: | 285 mm  | 285 mm  | 285 mm  | 285 mm  |
|                                 |         |         |         |         |
| Package Level 1 EAN:            |         |         |         |         |
| Package Level 1 Gross Weight:   | 6.2 kg  | 5.1 kg  | 5.1 kg  | 6.2 kg  |
| Package Level 1 Height:         | 240 mm  | 240 mm  | 240 mm  | 240 mm  |
| Package Level 1 Units:          | 1 piece | 1 piece | 1 piece | 1 piece |
| Package Level 1 Width:          | 248 mm  | 248 mm  | 248 mm  | 248 mm  |

Additional Information

|                             |                               |                               |                               |                               |
|-----------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Product Main Type:          | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   |
| Product Name:               | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  |
| Product Type:               | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     |
| Suitable For:               | T5                            | T5                            | T5                            | T5                            |
| Suitable for Product Class: | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers |
| Version:                    | F                             | F                             | F                             | F                             |

Technical

|                                                                    |                                                                                                                                                                     |                                                                                                                                                                     |                                                                                                                                                                     |                                                                                                                                                                     |
|--------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical Durability:                                             | 7000 cycle<br>60 cycles per hour                                                                                                                                    | 7000 cycle<br>60 cycles per hour                                                                                                                                    | 7000 cycle<br>60 cycles per hour                                                                                                                                    | 7000 cycle<br>60 cycles per hour                                                                                                                                    |
| Mechanical Durability:                                             | 20000 cycle<br>120 cycles per hour                                                                                                                                  | 20000 cycle<br>120 cycles per hour                                                                                                                                  | 20000 cycle<br>120 cycles per hour                                                                                                                                  | 20000 cycle<br>120 cycles per hour                                                                                                                                  |
| Number of Poles:                                                   | 4                                                                                                                                                                   | 3                                                                                                                                                                   | 3                                                                                                                                                                   | 4                                                                                                                                                                   |
| Power Loss:                                                        | at Rated Operating Conditions per Pole 10.6 W                                                                                                                       | at Rated Operating Conditions per Pole 10.6 W                                                                                                                       | at Rated Operating Conditions per Pole 16.5 W                                                                                                                       | at Rated Operating Conditions per Pole 16.5 W                                                                                                                       |
| Rated Current (I <sub>n</sub> ):                                   | 320 A                                                                                                                                                               | 320 A                                                                                                                                                               | 400 A                                                                                                                                                               | 400 A                                                                                                                                                               |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ):               | 8 kV                                                                                                                                                                | 8 kV                                                                                                                                                                | 8 kV                                                                                                                                                                | 8 kV                                                                                                                                                                |
| Rated Insulation Voltage (U <sub>i</sub> ):                        | 1000 V                                                                                                                                                              | 1000 V                                                                                                                                                              | 1000 V                                                                                                                                                              | 1000 V                                                                                                                                                              |
| Rated Operational Voltage:                                         | 690 V AC                                                                                                                                                            | 690 V AC                                                                                                                                                            | 690 V AC                                                                                                                                                            | 690 V AC                                                                                                                                                            |
| Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> ):  | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA |
| Rated Short-time Withstand Current Low Voltage (I <sub>cw</sub> ): | for 1 s 5 kA                                                                                                                                                        | for 1 s 5 kA                                                                                                                                                        | for 1 s 5 kA                                                                                                                                                        | for 1 s 5 kA                                                                                                                                                        |
| Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> ): | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA |

|                                                    |                              |                              |                              |                              |
|----------------------------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| Rated Uninterrupted Current (I <sub>u</sub> ):     | 400 A                        | 400 A                        | 400 A                        | 400 A                        |
| Release:                                           | PR221DS-LS/I                 | PR221DS-LS/I                 | PR221DS-LS/I                 | PR221DS-LS/I                 |
| Release Type:                                      | EL                           | EL                           | EL                           | EL                           |
| Short-Circuit Performance Level:                   | V                            | V                            | V                            | V                            |
| Standards:                                         | IEC                          | IEC                          | IEC                          | IEC                          |
| Sub-type:                                          | T5                           | T5                           | T5                           | T5                           |
| Terminal Connection Type:                          | Fixed Circuit-Breakers Front | Fixed Circuit-Breakers Front | Fixed Circuit-Breakers Front | Fixed Circuit-Breakers Front |
| Test Voltage at Industrial Frequency for 1 Minute: | 3500 V                       | 3500 V                       | 3500 V                       | 3500 V                       |
| Test Voltage Max (U <sub>test</sub> ):             | 3500 V                       | 3500 V                       | 3500 V                       | 3500 V                       |



**T5V400**  
**PR221DS-LS/**  
**I In320 4p**  
**FFC 1150VAC**



**T5V400**  
**PR221DS-LS/**  
**I In320 3p**  
**FFC 1150VAC**



**T5V400**  
**PR221DS-LS/**  
**I In400 3p**  
**FFC 1150VAC**



**T5V400**  
**PR221DS-LS/I**  
**In400 4p FFC**  
**1150VAC**

### Dimensions

|                             |          |          |          |          |
|-----------------------------|----------|----------|----------|----------|
| Product Net Depth / Length: | 103.5 mm | 103.5 mm | 103.5 mm | 103.5 mm |
| Product Net Height:         | 205 mm   | 205 mm   | 205 mm   | 205 mm   |
| Product Net Weight:         | 6.2 kg   | 5.1 kg   | 5.1 kg   | 6.2 kg   |
| Product Net Width:          | 184 mm   | 140 mm   | 140 mm   | 184 mm   |

### Container Information

|                                 |         |         |         |         |
|---------------------------------|---------|---------|---------|---------|
| Package Level 1 Depth / Length: | 285 mm  | 285 mm  | 285 mm  | 285 mm  |
| Package Level 1 EAN:            |         |         |         |         |
| Package Level 1 Gross Weight:   | 6.2 kg  | 5.1 kg  | 5.1 kg  | 6.2 kg  |
| Package Level 1 Height:         | 240 mm  | 240 mm  | 240 mm  | 240 mm  |
| Package Level 1 Units:          | 1 piece | 1 piece | 1 piece | 1 piece |
| Package Level 1 Width:          | 248 mm  | 248 mm  | 248 mm  | 248 mm  |

### Additional Information

|                    |             |             |             |             |
|--------------------|-------------|-------------|-------------|-------------|
| Product Main Type: | SACE Tmax T | SACE Tmax T | SACE Tmax T | SACE Tmax T |
|--------------------|-------------|-------------|-------------|-------------|

|                             |                               |                               |                               |                               |
|-----------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Product Name:               | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  |
| Product Type:               | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     |
| Suitable For:               | T5                            | T5                            | T5                            | T5                            |
| Suitable for Product Class: | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers |
| Version:                    | F                             | F                             | F                             | F                             |

Technical

|                                                                    |                                                |                                                |                                                |                                                |
|--------------------------------------------------------------------|------------------------------------------------|------------------------------------------------|------------------------------------------------|------------------------------------------------|
| Electrical Durability:                                             | 7000 cycle<br>60 cycles per hour               | 7000 cycle<br>60 cycles per hour               | 7000 cycle<br>60 cycles per hour               | 7000 cycle<br>60 cycles per hour               |
| Mechanical Durability:                                             | 20000 cycle<br>120 cycles per hour             | 20000 cycle<br>120 cycles per hour             | 20000 cycle<br>120 cycles per hour             | 20000 cycle<br>120 cycles per hour             |
| Number of Poles:                                                   | 4                                              | 3                                              | 3                                              | 4                                              |
| Power Loss:                                                        | at Rated Operating Conditions per Pole 10.6 W  | at Rated Operating Conditions per Pole 10.6 W  | at Rated Operating Conditions per Pole 16.5 W  | at Rated Operating Conditions per Pole 16.5 W  |
| Rated Current (I <sub>n</sub> ):                                   | 320 A                                          | 320 A                                          | 400 A                                          | 400 A                                          |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ):               | 8 kV                                           | 8 kV                                           | 8 kV                                           | 8 kV                                           |
| Rated Insulation Voltage (U <sub>i</sub> ):                        | 1150 V                                         | 1000 V                                         | 1000 V                                         | 1150 V                                         |
| Rated Operational Voltage:                                         | 1150 V AC                                      | 1150 V AC                                      | 1150 V AC                                      | 1150 V AC                                      |
| Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> ):  | (1000 V AC) 10 kA<br>(1150 V AC) 6 kA          | (1000 V AC) 10 kA<br>(1150 V AC) 6 kA          | (1000 V AC) 10 kA<br>(1150 V AC) 6 kA          | (1000 V AC) 10 kA<br>(1150 V AC) 6 kA          |
| Rated Short-time Withstand Current Low Voltage (I <sub>cw</sub> ): | for 1 s 5 kA                                   | for 1 s 5 kA                                   | for 1 s 5 kA                                   | for 1 s 5 kA                                   |
| Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> ): | (1000 V AC) 20 kA<br>(1150 V AC) 12 kA         | (1000 V AC) 20 kA<br>(1150 V AC) 12 kA         | (1000 V AC) 20 kA<br>(1150 V AC) 12 kA         | (1000 V AC) 20 kA<br>(1150 V AC) 12 kA         |
| Rated Uninterrupted Current (I <sub>u</sub> ):                     | 400 A                                          | 400 A                                          | 400 A                                          | 400 A                                          |
| Release:                                                           | PR221DS-LS/I                                   | PR221DS-LS/I                                   | PR221DS-LS/I                                   | PR221DS-LS/I                                   |
| Release Type:                                                      | EL                                             | EL                                             | EL                                             | EL                                             |
| Short-Circuit Performance Level:                                   | V                                              | V                                              | V                                              | V                                              |
| Standards:                                                         | IEC                                            | IEC                                            | IEC                                            | IEC                                            |
| Sub-type:                                                          | T5                                             | T5                                             | T5                                             | T5                                             |
| Terminal Connection Type:                                          | Fixed Circuit-Breakers Front for Copper Cables | Fixed Circuit-Breakers Front for Copper Cables | Fixed Circuit-Breakers Front for Copper Cables | Fixed Circuit-Breakers Front for Copper Cables |
| Test Voltage Max (U <sub>test</sub> ):                             | N/A                                            | N/A                                            | 3500 V                                         | N/A                                            |



T5V 400  
PR222DS/P-  
LSIG In=320  
3p F F



T5V 400  
PR222DS/P-  
LSIG In=320  
4p F F



T5V 400  
PR222DS/P-  
LSIG In=400  
3p F F



T5V 400  
PR222DS/P-  
LSIG In=400  
4p F F

## Dimensions

|                             |          |          |          |          |
|-----------------------------|----------|----------|----------|----------|
| Product Net Depth / Length: | 103.5 mm | 103.5 mm | 103.5 mm | 103.5 mm |
| Product Net Height:         | 205 mm   | 205 mm   | 205 mm   | 205 mm   |
| Product Net Weight:         | 5.1 kg   | 6.2 kg   | 5.1 kg   | 6.2 kg   |
| Product Net Width:          | 140 mm   | 186 mm   | 140 mm   | 186 mm   |

## Container Information

|                                 |         |         |         |         |
|---------------------------------|---------|---------|---------|---------|
| Package Level 1 Depth / Length: | 285 mm  | 285 mm  | 285 mm  | 285 mm  |
| Package Level 1 EAN:            |         |         |         |         |
| Package Level 1 Gross Weight:   | 5.1 kg  | 6.2 kg  | 5.1 kg  | 6.2 kg  |
| Package Level 1 Height:         | 240 mm  | 240 mm  | 240 mm  | 240 mm  |
| Package Level 1 Units:          | 1 piece | 1 piece | 1 piece | 1 piece |
| Package Level 1 Width:          | 248 mm  | 248 mm  | 248 mm  | 248 mm  |

## Additional Information

|                             |                               |                               |                               |                               |
|-----------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Product Main Type:          | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   |
| Product Name:               | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  |
| Product Type:               | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     |
| Suitable For:               | T5                            | T5                            | T5                            | T5                            |
| Suitable for Product Class: | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers |
| Version:                    | F                             | F                             | F                             | F                             |

## Technical

|                                                         |                                                  |                                                  |                                                  |                                                  |
|---------------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|
| Electrical Durability:                                  | 7000 cycle<br>60 cycles per hour                 | 7000 cycle<br>60 cycles per hour                 | 7000 cycle<br>60 cycles per hour                 | 7000 cycle<br>60 cycles per hour                 |
| Mechanical Durability:                                  | 20000 cycle<br>120 cycles per hour               | 20000 cycle<br>120 cycles per hour               | 20000 cycle<br>120 cycles per hour               | 20000 cycle<br>120 cycles per hour               |
| Number of Poles:                                        | 3                                                | 4                                                | 3                                                | 4                                                |
| Power Loss:                                             | at Rated Operating<br>Conditions per Pole 10.6 W | at Rated Operating<br>Conditions per Pole 10.6 W | at Rated Operating<br>Conditions per Pole 16.5 W | at Rated Operating<br>Conditions per Pole 16.5 W |
| Rated Current (I <sub>n</sub> ):                        | 320 A                                            | 320 A                                            | 400 A                                            | 400 A                                            |
| Rated Impulse Withstand<br>Voltage (U <sub>imp</sub> ): | 8 kV                                             | 8 kV                                             | 8 kV                                             | 8 kV                                             |
| Rated Insulation Voltage (U <sub>i</sub> ):             | 1000 V                                           | 1000 V                                           | 1000 V                                           | 1000 V                                           |
| Rated Operational Voltage:                              | 690 V AC                                         | 690 V AC                                         | 690 V AC                                         | 690 V AC                                         |

|                                                                              |                                                                                                                                                                     |                                                                                                                                                                     |                                                                                                                                                                     |                                                                                                                                                                     |
|------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Rated Service Short-Circuit Breaking Capacity (<math>I_{cs}</math>):</b>  | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA |
| <b>Rated Short-time Withstand Current Low Voltage (<math>I_{cw}</math>):</b> | for 1 s 5 kA                                                                                                                                                        | for 1 s 5 kA                                                                                                                                                        | for 1 s 5 kA                                                                                                                                                        | for 1 s 5 kA                                                                                                                                                        |
| <b>Rated Ultimate Short-Circuit Breaking Capacity (<math>I_{cu}</math>):</b> | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA |
| <b>Rated Uninterrupted Current (<math>I_u</math>):</b>                       | 400 A                                                                                                                                                               | 400 A                                                                                                                                                               | 400 A                                                                                                                                                               | 400 A                                                                                                                                                               |
| <b>Release:</b>                                                              | PR222DS/P-LSIG                                                                                                                                                      | PR222DS/P-LSIG                                                                                                                                                      | PR222DS/P-LSIG                                                                                                                                                      | PR222DS/P-LSIG                                                                                                                                                      |
| <b>Release Type:</b>                                                         | EL                                                                                                                                                                  | EL                                                                                                                                                                  | EL                                                                                                                                                                  | EL                                                                                                                                                                  |
| <b>Short-Circuit Performance Level:</b>                                      | V                                                                                                                                                                   | V                                                                                                                                                                   | V                                                                                                                                                                   | V                                                                                                                                                                   |
| <b>Standards:</b>                                                            | IEC                                                                                                                                                                 | IEC                                                                                                                                                                 | IEC                                                                                                                                                                 | IEC                                                                                                                                                                 |
| <b>Sub-type:</b>                                                             | T5                                                                                                                                                                  | T5                                                                                                                                                                  | T5                                                                                                                                                                  | T5                                                                                                                                                                  |
| <b>Terminal Connection Type:</b>                                             | Fixed Circuit-Breakers Front                                                                                                                                        | Fixed Circuit-Breakers Front                                                                                                                                        | Fixed Circuit-Breakers Front                                                                                                                                        | Fixed Circuit-Breakers Front                                                                                                                                        |
| <b>Test Voltage at Industrial Frequency for 1 Minute:</b>                    | 3500 V                                                                                                                                                              | 3500 V                                                                                                                                                              | 3500 V                                                                                                                                                              | 3500 V                                                                                                                                                              |
| <b>Test Voltage Max (<math>U_{test}</math>):</b>                             | 3500 V                                                                                                                                                              | 3500 V                                                                                                                                                              | 3500 V                                                                                                                                                              | 3500 V                                                                                                                                                              |



T5V400  
PR222DS/P-  
LSIG In320  
4pFFC1150VAC



T5V400  
PR222DS/P-  
LSIG In320  
3pFFC1150VAC



T5V400  
PR222DS/P-  
LSIG In400  
4pFFC1150VAC



T5V400  
PR222DS/P-  
LSIG In400  
3pFFC1150VAC

### Dimensions

|                                    |          |          |          |          |
|------------------------------------|----------|----------|----------|----------|
| <b>Product Net Depth / Length:</b> | 103.5 mm | 103.5 mm | 103.5 mm | 103.5 mm |
| <b>Product Net Height:</b>         | 205 mm   | 205 mm   | 205 mm   | 205 mm   |
| <b>Product Net Weight:</b>         | 6.2 kg   | 5.1 kg   | 6.2 kg   | 5.1 kg   |
| <b>Product Net Width:</b>          | 184 mm   | 140 mm   | 184 mm   | 140 mm   |

### Container Information

|                                 |         |         |         |         |
|---------------------------------|---------|---------|---------|---------|
| Package Level 1 Depth / Length: | 285 mm  | 285 mm  | 285 mm  | 285 mm  |
| Package Level 1 EAN:            |         |         |         |         |
| Package Level 1 Gross Weight:   | 6.2 kg  | 5.1 kg  | 6.2 kg  | 5.1 kg  |
| Package Level 1 Height:         | 240 mm  | 240 mm  | 240 mm  | 240 mm  |
| Package Level 1 Units:          | 1 piece | 1 piece | 1 piece | 1 piece |
| Package Level 1 Width:          | 248 mm  | 248 mm  | 248 mm  | 248 mm  |

### Additional Information

|                             |                               |                               |                               |                               |
|-----------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Product Main Type:          | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   |
| Product Name:               | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  |
| Product Type:               | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     |
| Suitable For:               | T5                            | T5                            | T5                            | T5                            |
| Suitable for Product Class: | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers |
| Version:                    | F                             | F                             | F                             | F                             |

### Technical

|                                                                    |                                                |                                                |                                                |                                                |
|--------------------------------------------------------------------|------------------------------------------------|------------------------------------------------|------------------------------------------------|------------------------------------------------|
| Electrical Durability:                                             | 7000 cycle<br>60 cycles per hour               | 7000 cycle<br>60 cycles per hour               | 7000 cycle<br>60 cycles per hour               | 7000 cycle<br>60 cycles per hour               |
| Mechanical Durability:                                             | 20000 cycle<br>120 cycles per hour             | 20000 cycle<br>120 cycles per hour             | 20000 cycle<br>120 cycles per hour             | 20000 cycle<br>120 cycles per hour             |
| Number of Poles:                                                   | 4                                              | 3                                              | 4                                              | 3                                              |
| Power Loss:                                                        | at Rated Operating Conditions per Pole 10.6 W  | at Rated Operating Conditions per Pole 10.6 W  | at Rated Operating Conditions per Pole 16.5 W  | at Rated Operating Conditions per Pole 16.5 W  |
| Rated Current (I <sub>n</sub> ):                                   | 320 A                                          | 320 A                                          | 400 A                                          | 400 A                                          |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ):               | 8 kV                                           | 8 kV                                           | 8 kV                                           | 8 kV                                           |
| Rated Insulation Voltage (U <sub>i</sub> ):                        | 1150 V                                         | 1000 V                                         | 1150 V                                         | 1150 V                                         |
| Rated Operational Voltage:                                         | 1150 V AC                                      | 1150 V AC                                      | 1150 V AC                                      | 1150 V AC                                      |
| Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> ):  | (1000 V AC) 10 kA<br>(1150 V AC) 6 kA          | (1000 V AC) 10 kA<br>(1150 V AC) 6 kA          | (1000 V AC) 10 kA<br>(1150 V AC) 6 kA          | (1000 V AC) 10 kA<br>(1150 V AC) 6 kA          |
| Rated Short-time Withstand Current Low Voltage (I <sub>cw</sub> ): | for 1 s 5 kA                                   | for 1 s 5 kA                                   | for 1 s 5 kA                                   | for 1 s 5 kA                                   |
| Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> ): | (1000 V AC) 20 kA<br>(1150 V AC) 12 kA         | (1000 V AC) 20 kA<br>(1150 V AC) 12 kA         | (1000 V AC) 20 kA<br>(1150 V AC) 12 kA         | (1000 V AC) 20 kA<br>(1150 V AC) 12 kA         |
| Rated Uninterrupted Current (I <sub>u</sub> ):                     | 400 A                                          | 400 A                                          | 400 A                                          | 400 A                                          |
| Release:                                                           | PR222DS/P-LSIG                                 | PR222DS/P-LSIG                                 | PR222DS/P-LSIG                                 | PR222DS/P-LSIG                                 |
| Release Type:                                                      | EL                                             | EL                                             | EL                                             | EL                                             |
| Short-Circuit Performance Level:                                   | V                                              | V                                              | V                                              | V                                              |
| Standards:                                                         | IEC                                            | IEC                                            | IEC                                            | IEC                                            |
| Sub-type:                                                          | T5                                             | T5                                             | T5                                             | T5                                             |
| Terminal Connection Type:                                          | Fixed Circuit-Breakers Front for Copper Cables | Fixed Circuit-Breakers Front for Copper Cables | Fixed Circuit-Breakers Front for Copper Cables | Fixed Circuit-Breakers Front for Copper Cables |
| Test Voltage Max (U <sub>test</sub> ):                             | N/A                                            | N/A                                            | N/A                                            | 3500 V                                         |



T5V 400  
PR222DS/P-  
LSI In=320 3p  
F F



T5V 400  
PR222DS/P-  
LSI In=320 4p  
F F



T5V 400  
PR222DS/P-  
LSI In=400 3p  
F F



T5V 400  
PR222DS/P-  
LSI In=400 4p  
F F

Dimensions

|                             |          |          |          |          |
|-----------------------------|----------|----------|----------|----------|
| Product Net Depth / Length: | 103.5 mm | 103.5 mm | 103.5 mm | 103.5 mm |
| Product Net Height:         | 205 mm   | 205 mm   | 205 mm   | 205 mm   |
| Product Net Weight:         | 5.1 kg   | 6.2 kg   | 5.1 kg   | 6.2 kg   |
| Product Net Width:          | 140 mm   | 186 mm   | 140 mm   | 186 mm   |

Container Information

|                                 |         |         |         |         |
|---------------------------------|---------|---------|---------|---------|
| Package Level 1 Depth / Length: | 285 mm  | 285 mm  | 285 mm  | 285 mm  |
| Package Level 1 EAN:            |         |         |         |         |
| Package Level 1 Gross Weight:   | 5.1 kg  | 6.2 kg  | 5.1 kg  | 6.2 kg  |
| Package Level 1 Height:         | 240 mm  | 240 mm  | 240 mm  | 240 mm  |
| Package Level 1 Units:          | 1 piece | 1 piece | 1 piece | 1 piece |
| Package Level 1 Width:          | 248 mm  | 248 mm  | 248 mm  | 248 mm  |

Additional Information

|                             |                               |                               |                               |                               |
|-----------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Product Main Type:          | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   |
| Product Name:               | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  |
| Product Type:               | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     |
| Suitable For:               | T5                            | T5                            | T5                            | T5                            |
| Suitable for Product Class: | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers |
| Version:                    | F                             | F                             | F                             | F                             |

Technical

|                                                      |                                                  |                                                  |                                                  |                                                  |
|------------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|
| Electrical Durability:                               | 7000 cycle<br>60 cycles per hour                 | 7000 cycle<br>60 cycles per hour                 | 7000 cycle<br>60 cycles per hour                 | 7000 cycle<br>60 cycles per hour                 |
| Mechanical Durability:                               | 20000 cycle<br>120 cycles per hour               | 20000 cycle<br>120 cycles per hour               | 20000 cycle<br>120 cycles per hour               | 20000 cycle<br>120 cycles per hour               |
| Number of Poles:                                     | 3                                                | 4                                                | 3                                                | 4                                                |
| Power Loss:                                          | at Rated Operating<br>Conditions per Pole 10.6 W | at Rated Operating<br>Conditions per Pole 10.6 W | at Rated Operating<br>Conditions per Pole 16.5 W | at Rated Operating<br>Conditions per Pole 16.5 W |
| Rated Current (I <sub>n</sub> ):                     | 320 A                                            | 320 A                                            | 400 A                                            | 400 A                                            |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ): | 8 kV                                             | 8 kV                                             | 8 kV                                             | 8 kV                                             |
| Rated Insulation Voltage (U <sub>i</sub> ):          | 1000 V                                           | 1000 V                                           | 1000 V                                           | 1000 V                                           |
| Rated Operational Voltage:                           | 690 V AC                                         | 690 V AC                                         | 690 V AC                                         | 690 V AC                                         |

|                                                                         |                                                                                                                                                                     |                                                                                                                                                                     |                                                                                                                                                                     |                                                                                                                                                                     |
|-------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Rated Service Short-Circuit Breaking Capacity (I<sub>cs</sub>):</b>  | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA |
| <b>Rated Short-time Withstand Current Low Voltage (I<sub>cw</sub>):</b> | for 1 s 5 kA                                                                                                                                                        | for 1 s 5 kA                                                                                                                                                        | for 1 s 5 kA                                                                                                                                                        | for 1 s 5 kA                                                                                                                                                        |
| <b>Rated Ultimate Short-Circuit Breaking Capacity (I<sub>cu</sub>):</b> | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA |
| <b>Rated Uninterrupted Current (I<sub>u</sub>):</b>                     | 400 A                                                                                                                                                               | 400 A                                                                                                                                                               | 400 A                                                                                                                                                               | 400 A                                                                                                                                                               |
| <b>Release:</b>                                                         | PR222DS/P-LSI                                                                                                                                                       | PR222DS/P-LSI                                                                                                                                                       | PR222DS/P-LSI                                                                                                                                                       | PR222DS/P-LSI                                                                                                                                                       |
| <b>Release Type:</b>                                                    | EL                                                                                                                                                                  | EL                                                                                                                                                                  | EL                                                                                                                                                                  | EL                                                                                                                                                                  |
| <b>Short-Circuit Performance Level:</b>                                 | V                                                                                                                                                                   | V                                                                                                                                                                   | V                                                                                                                                                                   | V                                                                                                                                                                   |
| <b>Standards:</b>                                                       | IEC                                                                                                                                                                 | IEC                                                                                                                                                                 | IEC                                                                                                                                                                 | IEC                                                                                                                                                                 |
| <b>Sub-type:</b>                                                        | T5                                                                                                                                                                  | T5                                                                                                                                                                  | T5                                                                                                                                                                  | T5                                                                                                                                                                  |
| <b>Terminal Connection Type:</b>                                        | Fixed Circuit-Breakers<br>Front                                                                                                                                     | Fixed Circuit-Breakers<br>Front                                                                                                                                     | Fixed Circuit-Breakers<br>Front                                                                                                                                     | Fixed Circuit-Breakers<br>Front                                                                                                                                     |
| <b>Test Voltage at Industrial Frequency for 1 Minute:</b>               | 3500 V                                                                                                                                                              | 3500 V                                                                                                                                                              | 3500 V                                                                                                                                                              | 3500 V                                                                                                                                                              |
| <b>Test Voltage Max (U<sub>test</sub>):</b>                             | 3500 V                                                                                                                                                              | 3500 V                                                                                                                                                              | 3500 V                                                                                                                                                              | 3500 V                                                                                                                                                              |



T5V 400 TMA  
320-3200 3p F  
FC 1150V AC



T5V 400 TMA  
320-3200 4p F  
F InN=100%In



T5V 400 TMA  
320-3200 4p F  
F



T5V 400 TMA  
320-3200 3p F F

Dimensions

|                                    |          |          |          |          |
|------------------------------------|----------|----------|----------|----------|
| <b>Product Net Depth / Length:</b> | 103.5 mm | 103.5 mm | 103.5 mm | 103.5 mm |
| <b>Product Net Height:</b>         | 205 mm   | 205 mm   | 205 mm   | 205 mm   |
| <b>Product Net Weight:</b>         | 4.8 kg   | 5.8 kg   | 5.8 kg   | 4.8 kg   |
| <b>Product Net Width:</b>          | 140 mm   | 186 mm   | 186 mm   | 140 mm   |

Container Information

|                                 |         |         |         |         |
|---------------------------------|---------|---------|---------|---------|
| Package Level 1 Depth / Length: | 285 mm  | 285 mm  | 285 mm  | 285 mm  |
| Package Level 1 EAN:            |         |         |         |         |
| Package Level 1 Gross Weight:   | 4.8 kg  | 5.8 kg  | 5.8 kg  | 4.8 kg  |
| Package Level 1 Height:         | 240 mm  | 240 mm  | 240 mm  | 240 mm  |
| Package Level 1 Units:          | 1 piece | 1 piece | 1 piece | 1 piece |
| Package Level 1 Width:          | 248 mm  | 248 mm  | 248 mm  | 248 mm  |

Additional Information

|                             |                               |                               |                               |                               |
|-----------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Product Main Type:          | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   |
| Product Name:               | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  |
| Product Type:               | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     |
| Suitable For:               | T5                            | T5                            | T5                            | T5                            |
| Suitable for Product Class: | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers |
| Version:                    | F                             | F                             | F                             | F                             |

Technical

|                                                                    |                                               |                                                                                                                                                                     |                                                                                                                                                                     |                                                                                                                                                                     |
|--------------------------------------------------------------------|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical Durability:                                             | 7000 cycle<br>60 cycles per hour              | 7000 cycle<br>60 cycles per hour                                                                                                                                    | 7000 cycle<br>60 cycles per hour                                                                                                                                    | 7000 cycle<br>60 cycles per hour                                                                                                                                    |
| Mechanical Durability:                                             | 20000 cycle<br>120 cycles per hour            | 20000 cycle<br>120 cycles per hour                                                                                                                                  | 20000 cycle<br>120 cycles per hour                                                                                                                                  | 20000 cycle<br>120 cycles per hour                                                                                                                                  |
| Number of Poles:                                                   | 3                                             | 4                                                                                                                                                                   | 4                                                                                                                                                                   | 3                                                                                                                                                                   |
| Power Loss:                                                        | at Rated Operating Conditions per Pole 13.6 W | at Rated Operating Conditions per Pole 13.6 W                                                                                                                       | at Rated Operating Conditions per Pole 13.6 W                                                                                                                       | at Rated Operating Conditions per Pole 13.6 W                                                                                                                       |
| Rated Current (I <sub>n</sub> ):                                   | 320 A                                         | 320 A                                                                                                                                                               | 320 A                                                                                                                                                               | 320 A                                                                                                                                                               |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ):               | 8 kV                                          | 8 kV                                                                                                                                                                | 8 kV                                                                                                                                                                | 8 kV                                                                                                                                                                |
| Rated Insulation Voltage (U <sub>i</sub> ):                        | 1000 V                                        | 1000 V                                                                                                                                                              | 1000 V                                                                                                                                                              | 1000 V                                                                                                                                                              |
| Rated Operational Voltage:                                         | 1150 V AC<br>1000 V DC                        | 690 V AC<br>750 V DC                                                                                                                                                | 690 V AC<br>750 V DC                                                                                                                                                | 690 V AC<br>750 V DC                                                                                                                                                |
| Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> ):  | (1000 V AC) 10 kA<br>(1150 V AC) 6 kA         | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA |
| Rated Short-time Withstand Current Low Voltage (I <sub>cw</sub> ): | for 1 s 5 kA                                  | for 1 s 5 kA                                                                                                                                                        | for 1 s 5 kA                                                                                                                                                        | for 1 s 5 kA                                                                                                                                                        |

|                                                                              |                                                   |                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                  |
|------------------------------------------------------------------------------|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Rated Ultimate Short-Circuit Breaking Capacity (<math>I_{cu}</math>):</b> | (1000 V AC) 20 kA<br>(1150 V AC) 12 kA            | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA<br>(250 V DC) 2 Poles in Series<br>150 kA<br>(500 V DC) 2 Poles in Series<br>100 kA<br>(750 V DC) 3 Poles in Series<br>70 kA | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA<br>(250 V DC) 2 Poles in Series<br>150 kA<br>(500 V DC) 2 Poles in Series<br>100 kA<br>(750 V DC) 3 Poles in Series<br>70 kA | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA<br>(250 V DC) 2 Poles in Series<br>150 kA<br>(500 V DC) 2 Poles in Series<br>100 kA<br>(750 V DC) 3 Poles in Series<br>70 kA |
| <b>Rated Uninterrupted Current (<math>I_u</math>):</b>                       | 400 A                                             | 400 A                                                                                                                                                                                                                                                                                            | 400 A                                                                                                                                                                                                                                                                                            | 400 A                                                                                                                                                                                                                                                                                            |
| <b>Release:</b>                                                              | TMA                                               | TMA                                                                                                                                                                                                                                                                                              | TMA                                                                                                                                                                                                                                                                                              | TMA                                                                                                                                                                                                                                                                                              |
| <b>Release Type:</b>                                                         | TM                                                | TM                                                                                                                                                                                                                                                                                               | TM                                                                                                                                                                                                                                                                                               | TM                                                                                                                                                                                                                                                                                               |
| <b>Short-Circuit Performance Level:</b>                                      | V                                                 | V                                                                                                                                                                                                                                                                                                | V                                                                                                                                                                                                                                                                                                | V                                                                                                                                                                                                                                                                                                |
| <b>Standards:</b>                                                            | IEC                                               | IEC                                                                                                                                                                                                                                                                                              | IEC                                                                                                                                                                                                                                                                                              | IEC                                                                                                                                                                                                                                                                                              |
| <b>Sub-type:</b>                                                             | T5                                                | T5                                                                                                                                                                                                                                                                                               | T5                                                                                                                                                                                                                                                                                               | T5                                                                                                                                                                                                                                                                                               |
| <b>Terminal Connection Type:</b>                                             | Fixed Circuit-Breakers<br>Front for Copper Cables | Fixed Circuit-Breakers<br>Front                                                                                                                                                                                                                                                                  | Fixed Circuit-Breakers<br>Front                                                                                                                                                                                                                                                                  | Fixed Circuit-Breakers<br>Front                                                                                                                                                                                                                                                                  |
| <b>Test Voltage at Industrial Frequency for 1 Minute:</b>                    | N/A                                               | N/A                                                                                                                                                                                                                                                                                              | N/A                                                                                                                                                                                                                                                                                              | 3500 V                                                                                                                                                                                                                                                                                           |
| <b>Test Voltage Max (<math>U_{test}</math>):</b>                             | N/A                                               | 3500 V                                                                                                                                                                                                                                                                                           | 3500 V                                                                                                                                                                                                                                                                                           | 3500 V                                                                                                                                                                                                                                                                                           |



T5V 400 TMA  
400-4000 3p  
F F



T5V 400 TMA  
400-4000 4p  
F F



T5V 400 TMA  
400-4000 3p  
F FC 1150V AC



T5V 400 TMA  
400-4000 4p  
F F InN=100%  
In

### Dimensions

|                                    |          |          |          |          |
|------------------------------------|----------|----------|----------|----------|
| <b>Product Net Depth / Length:</b> | 103.5 mm | 103.5 mm | 103.5 mm | 103.5 mm |
| <b>Product Net Height:</b>         | 205 mm   | 205 mm   | 205 mm   | 205 mm   |
| <b>Product Net Weight:</b>         | 4.8 kg   | 5.8 kg   | 4.8 kg   | 5.8 kg   |
| <b>Product Net Width:</b>          | 140 mm   | 186 mm   | 140 mm   | 186 mm   |

### Container Information

|                                        |        |        |        |        |
|----------------------------------------|--------|--------|--------|--------|
| <b>Package Level 1 Depth / Length:</b> | 285 mm | 285 mm | 285 mm | 285 mm |
| <b>Package Level 1 EAN:</b>            |        |        |        |        |
| <b>Package Level 1 Gross Weight:</b>   | 4.8 kg | 5.8 kg | 4.8 kg | 5.8 kg |
| <b>Package Level 1 Height:</b>         | 240 mm | 240 mm | 240 mm | 240 mm |

|                        |         |         |         |         |
|------------------------|---------|---------|---------|---------|
| Package Level 1 Units: | 1 piece | 1 piece | 1 piece | 1 piece |
| Package Level 1 Width: | 248 mm  | 248 mm  | 248 mm  | 248 mm  |

Additional Information

|                             |                               |                               |                               |                               |
|-----------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Product Main Type:          | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   |
| Product Name:               | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  |
| Product Type:               | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     |
| Suitable For:               | T5                            | T5                            | T5                            | T5                            |
| Suitable for Product Class: | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers |
| Version:                    | F                             | F                             | F                             | F                             |

Technical

|                                                                    |                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                         |                                               |                                                                                                                                                                                                                                                                                         |
|--------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical Durability:                                             | 7000 cycle<br>60 cycles per hour                                                                                                                                                                                                                                                     | 7000 cycle<br>60 cycles per hour                                                                                                                                                                                                                                                        | 7000 cycle<br>60 cycles per hour              | 7000 cycle<br>60 cycles per hour                                                                                                                                                                                                                                                        |
| Mechanical Durability:                                             | 20000 cycle<br>120 cycles per hour                                                                                                                                                                                                                                                   | 20000 cycle<br>120 cycles per hour                                                                                                                                                                                                                                                      | 20000 cycle<br>120 cycles per hour            | 20000 cycle<br>120 cycles per hour                                                                                                                                                                                                                                                      |
| Number of Poles:                                                   | 3                                                                                                                                                                                                                                                                                    | 4                                                                                                                                                                                                                                                                                       | 3                                             | 4                                                                                                                                                                                                                                                                                       |
| Power Loss:                                                        | at Rated Operating Conditions per Pole 19.5 W                                                                                                                                                                                                                                        | at Rated Operating Conditions per Pole 19.5 W                                                                                                                                                                                                                                           | at Rated Operating Conditions per Pole 19.5 W | at Rated Operating Conditions per Pole 19.5 W                                                                                                                                                                                                                                           |
| Rated Current (I <sub>n</sub> ):                                   | 400 A                                                                                                                                                                                                                                                                                | 400 A                                                                                                                                                                                                                                                                                   | 400 A                                         | 400 A                                                                                                                                                                                                                                                                                   |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ):               | 8 kV                                                                                                                                                                                                                                                                                 | 8 kV                                                                                                                                                                                                                                                                                    | 8 kV                                          | 8 kV                                                                                                                                                                                                                                                                                    |
| Rated Insulation Voltage (U <sub>i</sub> ):                        | 1000 V                                                                                                                                                                                                                                                                               | 1000 V                                                                                                                                                                                                                                                                                  | 1000 V                                        | 1000 V                                                                                                                                                                                                                                                                                  |
| Rated Operational Voltage:                                         | 690 V AC<br>750 V DC                                                                                                                                                                                                                                                                 | 690 V AC<br>750 V DC                                                                                                                                                                                                                                                                    | 1150 V AC<br>1000 V DC                        | 690 V AC<br>750 V DC                                                                                                                                                                                                                                                                    |
| Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> ):  | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA                                                                                                                  | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA                                                                                                                     | (1000 V AC) 10 kA<br>(1150 V AC) 6 kA         | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA                                                                                                                     |
| Rated Short-time Withstand Current Low Voltage (I <sub>cw</sub> ): | for 1 s 5 kA                                                                                                                                                                                                                                                                         | for 1 s 5 kA                                                                                                                                                                                                                                                                            | for 1 s 5 kA                                  | for 1 s 5 kA                                                                                                                                                                                                                                                                            |
| Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> ): | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA<br>250 V DC) 2 Poles in Series 150 kA<br>500 V DC) 2 Poles in Series 100 kA<br>750 V DC) 3 Poles in Series 70 kA | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA<br>(250 V DC) 2 Poles in Series 150 kA<br>(500 V DC) 2 Poles in Series 100 kA<br>(750 V DC) 3 Poles in Series 70 kA | (1000 V AC) 20 kA<br>(1150 V AC) 12 kA        | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA<br>(250 V DC) 2 Poles in Series 150 kA<br>(500 V DC) 2 Poles in Series 100 kA<br>(750 V DC) 3 Poles in Series 70 kA |
| Rated Uninterrupted Current (I <sub>u</sub> ):                     | 400 A                                                                                                                                                                                                                                                                                | 400 A                                                                                                                                                                                                                                                                                   | 400 A                                         | 400 A                                                                                                                                                                                                                                                                                   |
| Release:                                                           | TMA                                                                                                                                                                                                                                                                                  | TMA                                                                                                                                                                                                                                                                                     | TMA                                           | TMA                                                                                                                                                                                                                                                                                     |
| Release Type:                                                      | TM                                                                                                                                                                                                                                                                                   | TM                                                                                                                                                                                                                                                                                      | TM                                            | TM                                                                                                                                                                                                                                                                                      |
| Short-Circuit Performance Level:                                   | V                                                                                                                                                                                                                                                                                    | V                                                                                                                                                                                                                                                                                       | V                                             | V                                                                                                                                                                                                                                                                                       |

|                                                    |                              |                              |                                                |                              |
|----------------------------------------------------|------------------------------|------------------------------|------------------------------------------------|------------------------------|
| Standards:                                         | IEC                          | IEC                          | IEC                                            | IEC                          |
| Sub-type:                                          | T5                           | T5                           | T5                                             | T5                           |
| Terminal Connection Type:                          | Fixed Circuit-Breakers Front | Fixed Circuit-Breakers Front | Fixed Circuit-Breakers Front for Copper Cables | Fixed Circuit-Breakers Front |
| Test Voltage at Industrial Frequency for 1 Minute: | 3500 V                       | 3500 V                       | N/A                                            | N/A                          |
| Test Voltage Max (U <sub>test</sub> ):             | 3500 V                       | 3500 V                       | N/A                                            | 3500 V                       |



T5V 400 UL/CSA  
PR221DS-LS/I 300 3p F

F



T5V 400 UL/CSA  
PR221DS-LS/I 400 3p F

F

### Dimensions

|                             |          |          |
|-----------------------------|----------|----------|
| Product Net Depth / Length: | 103.5 mm | 103.5 mm |
| Product Net Height:         | 205 mm   | 205 mm   |
| Product Net Weight:         | 5.1 kg   | 5.1 kg   |
| Product Net Width:          | 140 mm   | 140 mm   |

### Additional Information

|                             |                               |                               |
|-----------------------------|-------------------------------|-------------------------------|
| Product Main Type:          | SACE Tmax T                   | SACE Tmax T                   |
| Product Name:               | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  |
| Product Type:               | Automatic Circuit Breaker     | Automatic Circuit Breaker     |
| Suitable For:               | T5                            | T5                            |
| Suitable for Product Class: | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers |
| Version:                    | F                             | F                             |

### Technical

|                                  |                                              |                                               |
|----------------------------------|----------------------------------------------|-----------------------------------------------|
| Mechanical Durability:           | 20000 cycle<br>120 cycles per hour           | 20000 cycle<br>120 cycles per hour            |
| Number of Poles:                 | 3                                            | 3                                             |
| Power Loss:                      | at Rated Operating Conditions per Pole 9.3 W | at Rated Operating Conditions per Pole 16.5 W |
| Rated Current (I <sub>n</sub> ): | 300 A                                        | 400 A                                         |

Rated Impulse Withstand Voltage  
(U<sub>imp</sub>):

8 kV

8 kV

Rated Insulation Voltage (U<sub>i</sub>):

1000 V

1000 V

Rated Operational Voltage:

600 V AC

600 V AC

Rated Uninterrupted Current (I<sub>u</sub>):

400 A

400 A

Release:

PR221DS-LS/I

PR221DS-LS/I

Release Type:

EL

EL

Short-Circuit Performance Level:

V

V

Standards:

UL

UL

Sub-type:

T5

T5

Terminal Connection Type:

Fixed Circuit-Breakers  
Front

Fixed Circuit-Breakers  
Front

Test Voltage Max (U<sub>test</sub>):

3500 V

3500 V

Technical UL/CSA

Interrupting Rating acc. to UL489:

(240 V AC) 200 kA  
(480 V AC) 150 kA  
(600 V AC) 100 kA

(240 V AC) 200 kA  
(480 V AC) 150 kA  
(600 V AC) 100 kA



T5V 400 UL/  
CSA PR222DS/  
P-LSI 400 3p F  
F



T5V 400 UL/  
CSA PR222DS/  
P-LSIG 400 3p  
F F



T5V 400 UL/  
CSA PR222DS/  
P-LSI 300 3p F  
F



T5V 400 UL/  
CSA PR222DS/  
P-LSIG 300 3p  
F F

Dimensions

Product Net Depth / Length:

103.5 mm

103.5 mm

103.5 mm

103.5 mm

Product Net Height:

205 mm

205 mm

205 mm

205 mm

Product Net Weight:

5.1 kg

5.1 kg

5.1 kg

5.1 kg

Product Net Width:

140 mm

140 mm

140 mm

140 mm

Additional Information

Product Main Type:

SACE Tmax T

SACE Tmax T

SACE Tmax T

SACE Tmax T

Product Name:

Moulded Case Circuit  
Breaker

Moulded Case Circuit  
Breaker

Moulded Case Circuit  
Breaker

Moulded Case Circuit  
Breaker

|                             |                               |                               |                               |                               |
|-----------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Product Type:               | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     |
| Suitable For:               | T5                            | T5                            | T5                            | T5                            |
| Suitable for Product Class: | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers |
| Version:                    | F                             | F                             | F                             | F                             |

### Technical

|                                                      |                                               |                                               |                                              |                                              |
|------------------------------------------------------|-----------------------------------------------|-----------------------------------------------|----------------------------------------------|----------------------------------------------|
| Mechanical Durability:                               | 20000 cycle<br>120 cycles per hour            | 20000 cycle<br>120 cycles per hour            | 20000 cycle<br>120 cycles per hour           | 20000 cycle<br>120 cycles per hour           |
| Number of Poles:                                     | 3                                             | 3                                             | 3                                            | 3                                            |
| Power Loss:                                          | at Rated Operating Conditions per Pole 16.5 W | at Rated Operating Conditions per Pole 16.5 W | at Rated Operating Conditions per Pole 9.3 W | at Rated Operating Conditions per Pole 9.3 W |
| Rated Current (I <sub>n</sub> ):                     | 400 A                                         | 400 A                                         | 300 A                                        | 300 A                                        |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ): | 8 kV                                          | 8 kV                                          | 8 kV                                         | 8 kV                                         |
| Rated Insulation Voltage (U <sub>i</sub> ):          | 1000 V                                        | 1000 V                                        | 1000 V                                       | 1000 V                                       |
| Rated Operational Voltage:                           | 600 V AC                                      | 600 V AC                                      | 600 V AC                                     | 600 V AC                                     |
| Rated Uninterrupted Current (I <sub>u</sub> ):       | 400 A                                         | 400 A                                         | 400 A                                        | 400 A                                        |
| Release:                                             | PR222DS/P-LSI                                 | PR222DS/P-LSIG                                | PR222DS/P-LSI                                | PR222DS/P-LSIG                               |
| Release Type:                                        | EL                                            | EL                                            | EL                                           | EL                                           |
| Short-Circuit Performance Level:                     | V                                             | V                                             | V                                            | V                                            |
| Standards:                                           | UL                                            | UL                                            | UL                                           | UL                                           |
| Sub-type:                                            | T5                                            | T5                                            | T5                                           | T5                                           |
| Terminal Connection Type:                            | Fixed Circuit-Breakers Front                  | Fixed Circuit-Breakers Front                  | Fixed Circuit-Breakers Front                 | Fixed Circuit-Breakers Front                 |
| Test Voltage Max (U <sub>test</sub> ):               | 3500 V                                        | 3500 V                                        | 3500 V                                       | 3500 V                                       |

### Technical UL/CSA

|                                    |                                                             |                                                             |                                                             |                                                             |
|------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|
| Interrupting Rating acc. to UL489: | (240 V AC) 200 kA<br>(480 V AC) 150 kA<br>(600 V AC) 100 kA | (240 V AC) 200 kA<br>(480 V AC) 150 kA<br>(600 V AC) 100 kA | (240 V AC) 200 kA<br>(480 V AC) 150 kA<br>(600 V AC) 100 kA | (240 V AC) 200 kA<br>(480 V AC) 150 kA<br>(600 V AC) 100 kA |
|------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|



### Dimensions

|                             |          |          |
|-----------------------------|----------|----------|
| Product Net Depth / Length: | 103.5 mm | 103.5 mm |
| Product Net Height:         | 205 mm   | 205 mm   |
| Product Net Weight:         | 4.15 kg  | 4.15 kg  |

|                    |        |        |
|--------------------|--------|--------|
| Product Net Width: | 184 mm | 184 mm |
|--------------------|--------|--------|

Additional Information

|                             |                               |                               |
|-----------------------------|-------------------------------|-------------------------------|
| Product Main Type:          | SACE Tmax T                   | SACE Tmax T                   |
| Product Name:               | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  |
| Product Type:               | Automatic Circuit Breaker     | Automatic Circuit Breaker     |
| Suitable For:               | T5                            | T5                            |
| Suitable for Product Class: | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers |
| Version:                    | F                             | F                             |

Technical

|                                                                    |                                                                                                                                          |                                                                                                                                          |
|--------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Mechanical Durability:                                             | 20000 cycle<br>120 cycles per hour                                                                                                       | 20000 cycle<br>120 cycles per hour                                                                                                       |
| Number of Poles:                                                   | 4                                                                                                                                        | 4                                                                                                                                        |
| Power Loss:                                                        | at Rated Operating Conditions per Pole 12.3 W                                                                                            | at Rated Operating Conditions per Pole 19.5 W                                                                                            |
| Rated Current (I <sub>n</sub> ):                                   | 300 A                                                                                                                                    | 400 A                                                                                                                                    |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ):               | 8 kV                                                                                                                                     | 8 kV                                                                                                                                     |
| Rated Insulation Voltage (U <sub>i</sub> ):                        | 1000 V                                                                                                                                   | 1000 V                                                                                                                                   |
| Rated Operational Voltage:                                         | 600 V AC<br>600 V DC                                                                                                                     | 600 V AC<br>600 V DC                                                                                                                     |
| Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> ): | (240 V AC) 200 kA<br>(480 V AC) 150 kA<br>(600 V AC) 100 kA<br>(500 V DC) 2 Poles in Series 100 kA<br>(600 V DC) 3 Poles in Series 65 kA | (240 V AC) 200 kA<br>(480 V AC) 150 kA<br>(600 V AC) 100 kA<br>(500 V DC) 2 Poles in Series 100 kA<br>(600 V DC) 3 Poles in Series 65 kA |
| Rated Uninterrupted Current (I <sub>u</sub> ):                     | 400 A                                                                                                                                    | 400 A                                                                                                                                    |
| Release:                                                           | TMA                                                                                                                                      | TMA                                                                                                                                      |
| Release Type:                                                      | TM                                                                                                                                       | TM                                                                                                                                       |
| Short-Circuit Performance Level:                                   | V                                                                                                                                        | V                                                                                                                                        |
| Standards:                                                         | UL                                                                                                                                       | UL                                                                                                                                       |
| Sub-type:                                                          | T5                                                                                                                                       | T5                                                                                                                                       |
| Terminal Connection Type:                                          | Fixed Circuit-Breakers<br>Front                                                                                                          | Fixed Circuit-Breakers<br>Front                                                                                                          |
| Test Voltage Max (U <sub>test</sub> ):                             | 3500 V                                                                                                                                   | 3500 V                                                                                                                                   |

Technical UL/CSA

|                                    |                                                                                                                                          |                                                                                                                                          |
|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Interrupting Rating acc. to UL489: | (240 V AC) 200 kA<br>(480 V AC) 150 kA<br>(600 V AC) 100 kA<br>(500 V DC) 2 Poles in Series 100 kA<br>(600 V DC) 3 Poles in Series 65 kA | (240 V AC) 200 kA<br>(480 V AC) 150 kA<br>(600 V AC) 100 kA<br>(500 V DC) 2 Poles in Series 100 kA<br>(600 V DC) 3 Poles in Series 65 kA |
|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|



T5V 600 UL/CSA  
PR222DS/P-LSI  
600 3p F F



T5V 600 UL/CSA  
PR222DS/P-LSIG  
600 3p F F



T5V 600 UL/CSA  
PR221DS-LS/I 600  
3p F F

Dimensions

|                             |          |          |          |
|-----------------------------|----------|----------|----------|
| Product Net Depth / Length: | 103.5 mm | 103.5 mm | 103.5 mm |
| Product Net Height:         | 205 mm   | 205 mm   | 205 mm   |
| Product Net Weight:         | 5.1 kg   | 5.1 kg   | 5.1 kg   |
| Product Net Width:          | 140 mm   | 140 mm   | 140 mm   |

Additional Information

|                             |                               |                               |                               |
|-----------------------------|-------------------------------|-------------------------------|-------------------------------|
| Product Main Type:          | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   |
| Product Name:               | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  |
| Product Type:               | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     |
| Suitable For:               | T5                            | T5                            | T5                            |
| Suitable for Product Class: | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers |
| Version:                    | F                             | F                             | F                             |

Technical

|                        |                                    |                                    |                                    |
|------------------------|------------------------------------|------------------------------------|------------------------------------|
| Mechanical Durability: | 20000 cycle<br>120 cycles per hour | 20000 cycle<br>120 cycles per hour | 20000 cycle<br>120 cycles per hour |
| Number of Poles:       | 3                                  | 3                                  | 3                                  |

|                                                         |                                                  |                                                  |                                                  |
|---------------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|
| Power Loss:                                             | at Rated Operating<br>Conditions per Pole 37.1 W | at Rated Operating<br>Conditions per Pole 37.1 W | at Rated Operating<br>Conditions per Pole 37.1 W |
| Rated Current (I <sub>n</sub> ):                        | 600 A                                            | 600 A                                            | 600 A                                            |
| Rated Impulse Withstand<br>Voltage (U <sub>imp</sub> ): | 8 kV                                             | 8 kV                                             | 8 kV                                             |
| Rated Insulation Voltage (U <sub>i</sub> ):             | 1000 V                                           | 1000 V                                           | 1000 V                                           |
| Rated Operational Voltage:                              | 600 V AC                                         | 600 V AC                                         | 600 V AC                                         |
| Rated Uninterrupted Current<br>(I <sub>u</sub> ):       | 600 A                                            | 600 A                                            | 600 A                                            |
| Release:                                                | PR222DS/P-LSI                                    | PR222DS/P-LSIG                                   | PR221DS-LS/I                                     |
| Release Type:                                           | EL                                               | EL                                               | EL                                               |
| Short-Circuit Performance<br>Level:                     | V                                                | V                                                | V                                                |
| Standards:                                              | UL                                               | UL                                               | UL                                               |
| Sub-type:                                               | T5                                               | T5                                               | T5                                               |
| Terminal Connection Type:                               | Fixed Circuit-Breakers<br>Front                  | Fixed Circuit-Breakers<br>Front                  | Fixed Circuit-Breakers<br>Front                  |
| Test Voltage Max (U <sub>test</sub> ):                  | 3500 V                                           | 3500 V                                           | 3500 V                                           |

Technical UL/CSA

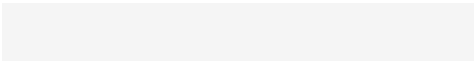
|                                       |                                                             |                                                             |                                                             |
|---------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|
| Interrupting Rating acc. to<br>UL489: | (240 V AC) 200 kA<br>(480 V AC) 150 kA<br>(600 V AC) 100 kA | (240 V AC) 200 kA<br>(480 V AC) 150 kA<br>(600 V AC) 100 kA | (240 V AC) 200 kA<br>(480 V AC) 150 kA<br>(600 V AC) 100 kA |
|---------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|

T5V 630 Ekip E-LSIG  
In=630A 4p F F

T5V 630 Ekip E-LSIG  
In=630A 3p F F

Dimensions

|                             |          |          |
|-----------------------------|----------|----------|
| Product Net Depth / Length: | 103.5 mm | 103.5 mm |
| Product Net Height:         | 205 mm   | 205 mm   |
| Product Net Weight:         | 6.2 kg   | 5.1 kg   |
| Product Net Width:          | 186 mm   | 140 mm   |



Additional Information

|                             |                               |                               |
|-----------------------------|-------------------------------|-------------------------------|
| Product Main Type:          | SACE Tmax T                   | SACE Tmax T                   |
| Product Name:               | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  |
| Product Type:               | Automatic Circuit Breaker     | Automatic Circuit Breaker     |
| Suitable For:               | T5                            | T5                            |
| Suitable for Product Class: | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers |
| Version:                    | F                             | F                             |

Technical

|                                                              |                                                                                                                                                                     |                                                                                                                                                                     |
|--------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical Durability:                                       | 5000 cycle<br>60 cycles per hour                                                                                                                                    | 5000 cycle<br>60 cycles per hour                                                                                                                                    |
| Mechanical Durability:                                       | 20000 cycle<br>120 cycles per hour                                                                                                                                  | 20000 cycle<br>120 cycles per hour                                                                                                                                  |
| Number of Poles:                                             | 4                                                                                                                                                                   | 3                                                                                                                                                                   |
| Rated Current ( $I_n$ ):                                     | 630 A                                                                                                                                                               | 630 A                                                                                                                                                               |
| Rated Impulse Withstand Voltage ( $U_{imp}$ ):               | 8 kV                                                                                                                                                                | 8 kV                                                                                                                                                                |
| Rated Insulation Voltage ( $U_i$ ):                          | 1000 V                                                                                                                                                              | 1000 V                                                                                                                                                              |
| Rated Operational Voltage:                                   | 690 V AC                                                                                                                                                            | 690 V AC                                                                                                                                                            |
| Rated Service Short-Circuit Breaking Capacity ( $I_{cs}$ ):  | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA |
| Rated Ultimate Short-Circuit Breaking Capacity ( $I_{cu}$ ): | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA |
| Rated Uninterrupted Current ( $I_u$ ):                       | 630 A                                                                                                                                                               | 630 A                                                                                                                                                               |
| Release:                                                     | Ekip E-LSIG                                                                                                                                                         | Ekip E-LSIG                                                                                                                                                         |
| Release Type:                                                | EL                                                                                                                                                                  | EL                                                                                                                                                                  |

|                                  |                                 |                                 |
|----------------------------------|---------------------------------|---------------------------------|
| Short-Circuit Performance Level: | V                               | V                               |
| Standards:                       | IEC                             | IEC                             |
| Sub-type:                        | T5                              | T5                              |
| Terminal Connection Type:        | Fixed Circuit-Breakers<br>Front | Fixed Circuit-Breakers<br>Front |



**T5V 630  
PR221DS-I  
In=630 4p F  
FC 1150VAC**



**T5V 630  
PR221DS-I  
In=630 4p  
F F  
FC 1150VAC**



**T5V 630  
PR221DS-I  
In=630 3p  
F F  
FC 1150VAC**



**T5V 630  
PR221DS-I  
In=630 3p F  
FC 1150VAC**

Dimensions

|                             |          |          |          |          |
|-----------------------------|----------|----------|----------|----------|
| Product Net Depth / Length: | 103.5 mm | 103.5 mm | 103.5 mm | 103.5 mm |
| Product Net Height:         | 205 mm   | 205 mm   | 205 mm   | 205 mm   |
| Product Net Weight:         | 6.2 kg   | 6.2 kg   | 5.1 kg   | 5.1 kg   |
| Product Net Width:          | 184 mm   | 186 mm   | 140 mm   | 140 mm   |

Container Information

|                                 |         |         |         |         |
|---------------------------------|---------|---------|---------|---------|
| Package Level 1 Depth / Length: | 285 mm  | 285 mm  | 285 mm  | 285 mm  |
| Package Level 1 EAN:            |         |         |         |         |
| Package Level 1 Gross Weight:   | 6.2 kg  | 6.2 kg  | 5.1 kg  | 5.1 kg  |
| Package Level 1 Height:         | 240 mm  | 240 mm  | 240 mm  | 240 mm  |
| Package Level 1 Units:          | 1 piece | 1 piece | 1 piece | 1 piece |
| Package Level 1 Width:          | 248 mm  | 248 mm  | 248 mm  | 248 mm  |

Additional Information

|                             |                               |                               |                               |                               |
|-----------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Product Main Type:          | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   |
| Product Name:               | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  |
| Product Type:               | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     |
| Suitable For:               | T5                            | T5                            | T5                            | T5                            |
| Suitable for Product Class: | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers |
| Version:                    | F                             | F                             | F                             | F                             |

|                                                                       |                                                   |                                                                                                                                                                     |                                                                                                                                                                     |                                                   |
|-----------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| <div></div>                                                           |                                                   |                                                                                                                                                                     |                                                                                                                                                                     |                                                   |
| Technical                                                             |                                                   |                                                                                                                                                                     |                                                                                                                                                                     |                                                   |
| Electrical Durability:                                                | 5000 cycle<br>60 cycles per hour                  | 5000 cycle<br>60 cycles per hour                                                                                                                                    | 5000 cycle<br>60 cycles per hour                                                                                                                                    | 5000 cycle<br>60 cycles per hour                  |
| Mechanical Durability:                                                | 20000 cycle<br>120 cycles per hour                | 20000 cycle<br>120 cycles per hour                                                                                                                                  | 20000 cycle<br>120 cycles per hour                                                                                                                                  | 20000 cycle<br>120 cycles per hour                |
| Number of Poles:                                                      | 4                                                 | 4                                                                                                                                                                   | 3                                                                                                                                                                   | 3                                                 |
| Power Loss:                                                           | at Rated Operating<br>Conditions per Pole 41 W    | at Rated Operating<br>Conditions per Pole 41 W                                                                                                                      | at Rated Operating<br>Conditions per Pole 41 W                                                                                                                      | at Rated Operating<br>Conditions per Pole 41 W    |
| Rated Current (I <sub>n</sub> ):                                      | 630 A                                             | 630 A                                                                                                                                                               | 630 A                                                                                                                                                               | 630 A                                             |
| Rated Impulse Withstand<br>Voltage (U <sub>imp</sub> ):               | 8 kV                                              | 8 kV                                                                                                                                                                | 8 kV                                                                                                                                                                | 8 kV                                              |
| Rated Insulation Voltage (U <sub>i</sub> ):                           | 1150 V                                            | 1000 V                                                                                                                                                              | 1000 V                                                                                                                                                              | 1000 V                                            |
| Rated Operational Voltage:                                            | 1150 V AC                                         | 690 V AC                                                                                                                                                            | 690 V AC                                                                                                                                                            | 1150 V AC                                         |
| Rated Service Short-Circuit<br>Breaking Capacity (I <sub>cs</sub> ):  | (1000 V AC) 10 kA<br>(1150 V AC) 6 kA             | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 75 kA<br>(690 V AC) 40 kA  | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 75 kA<br>(690 V AC) 40 kA  | (1000 V AC) 10 kA<br>(1150 V AC) 6 kA             |
| Rated Ultimate Short-Circuit<br>Breaking Capacity (I <sub>cu</sub> ): | (1000 V AC) 20 kA<br>(1150 V AC) 12 kA            | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (1000 V AC) 20 kA<br>(1150 V AC) 12 kA            |
| Rated Uninterrupted Current<br>(I <sub>u</sub> ):                     | 630 A                                             | 630 A                                                                                                                                                               | 630 A                                                                                                                                                               | 630 A                                             |
| Release:                                                              | PR221DS-I                                         | PR221DS-I                                                                                                                                                           | PR221DS-I                                                                                                                                                           | PR221DS-I                                         |
| Release Type:                                                         | EL                                                | EL                                                                                                                                                                  | EL                                                                                                                                                                  | EL                                                |
| Short-Circuit Performance<br>Level:                                   | V                                                 | V                                                                                                                                                                   | V                                                                                                                                                                   | V                                                 |
| Standards:                                                            | IEC                                               | IEC                                                                                                                                                                 | IEC                                                                                                                                                                 | IEC                                               |
| Sub-type:                                                             | T5                                                | T5                                                                                                                                                                  | T5                                                                                                                                                                  | T5                                                |
| Terminal Connection Type:                                             | Fixed Circuit-Breakers<br>Front for Copper Cables | Fixed Circuit-Breakers<br>Front                                                                                                                                     | Fixed Circuit-Breakers<br>Front                                                                                                                                     | Fixed Circuit-Breakers<br>Front for Copper Cables |
| Test Voltage at Industrial<br>Frequency for 1 Minute:                 | N/A                                               | 3500 V                                                                                                                                                              | 3500 V                                                                                                                                                              | N/A                                               |
| Test Voltage Max (U <sub>test</sub> ):                                | N/A                                               | 3500 V                                                                                                                                                              | 3500 V                                                                                                                                                              | 3500 V                                            |



T5V 630  
PR221DS-LS/I  
In=630 4p F F



T5V 630  
PR221DS-LS/I  
In=630 3p F F



T5V630  
PR221DS-LS/  
I In630 4p  
FFC 1150VAC



T5V630  
PR221DS-LS/  
I In630 3p  
FFC 1150VAC

## Dimensions

|                             |          |          |          |          |
|-----------------------------|----------|----------|----------|----------|
| Product Net Depth / Length: | 103.5 mm | 103.5 mm | 103.5 mm | 103.5 mm |
| Product Net Height:         | 205 mm   | 205 mm   | 205 mm   | 205 mm   |
| Product Net Weight:         | 6.2 kg   | 4.843 kg | 6.2 kg   | 5.1 kg   |
| Product Net Width:          | 186 mm   | 140 mm   | 184 mm   | 140 mm   |

## Container Information

|                                 |         |         |         |         |
|---------------------------------|---------|---------|---------|---------|
| Package Level 1 Depth / Length: | 285 mm  | 285 mm  | 285 mm  | 285 mm  |
| Package Level 1 EAN:            |         |         |         |         |
| Package Level 1 Gross Weight:   | 6.2 kg  | 5.1 kg  | 6.2 kg  | 5.1 kg  |
| Package Level 1 Height:         | 240 mm  | 240 mm  | 240 mm  | 240 mm  |
| Package Level 1 Units:          | 1 piece | 1 piece | 1 piece | 1 piece |
| Package Level 1 Width:          | 248 mm  | 248 mm  | 248 mm  | 248 mm  |

## Additional Information

|                             |                               |                               |                               |                               |
|-----------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Product Main Type:          | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   |
| Product Name:               | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  |
| Product Type:               | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     |
| Suitable For:               | T5                            | T5                            | T5                            | T5                            |
| Suitable for Product Class: | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers |
| Version:                    | F                             | F                             | F                             | F                             |

## Technical

|                                                      |                                             |                                             |                                             |                                             |
|------------------------------------------------------|---------------------------------------------|---------------------------------------------|---------------------------------------------|---------------------------------------------|
| Electrical Durability:                               | 5000 cycle<br>60 cycles per hour            | 5000 cycle<br>60 cycles per hour            | 5000 cycle<br>60 cycles per hour            | 5000 cycle<br>60 cycles per hour            |
| Mechanical Durability:                               | 20000 cycle<br>120 cycles per hour          | 20000 cycle<br>120 cycles per hour          | 20000 cycle<br>120 cycles per hour          | 20000 cycle<br>120 cycles per hour          |
| Number of Poles:                                     | 4                                           | 3                                           | 4                                           | 3                                           |
| Power Loss:                                          | at Rated Operating Conditions per Pole 41 W | at Rated Operating Conditions per Pole 41 W | at Rated Operating Conditions per Pole 41 W | at Rated Operating Conditions per Pole 41 W |
| Rated Current (I <sub>n</sub> ):                     | 630 A                                       | 630 A                                       | 630 A                                       | 630 A                                       |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ): | 8 kV                                        | 8 kV                                        | 8 kV                                        | 8 kV                                        |
| Rated Insulation Voltage (U <sub>i</sub> ):          | 1000 V                                      | 1000 V                                      | 1150 V                                      | 1150 V                                      |
| Rated Operational Voltage:                           | 690 V AC                                    | 690 V AC                                    | 1150 V AC                                   | 1150 V AC                                   |

|                                                                         |                                                                                                                                                                     |                                                                                                                                                                     |                                                |                                                |
|-------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|------------------------------------------------|
| <b>Rated Service Short-Circuit Breaking Capacity (I<sub>cs</sub>):</b>  | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 75 kA<br>(690 V AC) 40 kA  | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 75 kA<br>(690 V AC) 40 kA  | (1000 V AC) 10 kA<br>(1150 V AC) 6 kA          | (1000 V AC) 10 kA<br>(1150 V AC) 6 kA          |
| <b>Rated Ultimate Short-Circuit Breaking Capacity (I<sub>cu</sub>):</b> | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (1000 V AC) 20 kA<br>(1150 V AC) 12 kA         | (1000 V AC) 20 kA<br>(1150 V AC) 12 kA         |
| <b>Rated Uninterrupted Current (I<sub>u</sub>):</b>                     | 630 A                                                                                                                                                               | 630 A                                                                                                                                                               | 630 A                                          | 630 A                                          |
| <b>Release:</b>                                                         | PR221DS-LS/I                                                                                                                                                        | PR221DS-LS/I                                                                                                                                                        | PR221DS-LS/I                                   | PR221DS-LS/I                                   |
| <b>Release Type:</b>                                                    | EL                                                                                                                                                                  | EL                                                                                                                                                                  | EL                                             | EL                                             |
| <b>Short-Circuit Performance Level:</b>                                 | V                                                                                                                                                                   | V                                                                                                                                                                   | V                                              | V                                              |
| <b>Standards:</b>                                                       | IEC                                                                                                                                                                 | IEC                                                                                                                                                                 | IEC                                            | IEC                                            |
| <b>Sub-type:</b>                                                        | T5                                                                                                                                                                  | T5                                                                                                                                                                  | T5                                             | T5                                             |
| <b>Terminal Connection Type:</b>                                        | Fixed Circuit-Breakers Front                                                                                                                                        | Fixed Circuit-Breakers Front                                                                                                                                        | Fixed Circuit-Breakers Front for Copper Cables | Fixed Circuit-Breakers Front for Copper Cables |
| <b>Test Voltage at Industrial Frequency for 1 Minute:</b>               | 3500 V                                                                                                                                                              | 3500 V                                                                                                                                                              | N/A                                            | N/A                                            |
| <b>Test Voltage Max (U<sub>test</sub>):</b>                             | 3500 V                                                                                                                                                              | 3500 V                                                                                                                                                              | N/A                                            | 3500 V                                         |



T5V 630 PR222DS/P-LSIG  
In=63044p F F



T5V 630 PR222DS/P-LSIG  
In=63043p F F

### Dimensions

|                                    |          |          |
|------------------------------------|----------|----------|
| <b>Product Net Depth / Length:</b> | 103.5 mm | 103.5 mm |
| <b>Product Net Height:</b>         | 205 mm   | 205 mm   |
| <b>Product Net Weight:</b>         | 6.2 kg   | 5.1 kg   |
| <b>Product Net Width:</b>          | 186 mm   | 140 mm   |

### Container Information

|                                        |        |        |
|----------------------------------------|--------|--------|
| <b>Package Level 1 Depth / Length:</b> | 285 mm | 285 mm |
|----------------------------------------|--------|--------|

|                               |         |         |
|-------------------------------|---------|---------|
| Package Level 1 Gross Weight: | 6.2 kg  | 5.1 kg  |
| Package Level 1 Height:       | 240 mm  | 240 mm  |
| Package Level 1 Units:        | 1 piece | 1 piece |
| Package Level 1 Width:        | 248 mm  | 248 mm  |

Additional Information

|                             |                               |                               |
|-----------------------------|-------------------------------|-------------------------------|
| Product Main Type:          | SACE Tmax T                   | SACE Tmax T                   |
| Product Name:               | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  |
| Product Type:               | Automatic Circuit Breaker     | Automatic Circuit Breaker     |
| Suitable For:               | T5                            | T5                            |
| Suitable for Product Class: | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers |
| Version:                    | F                             | F                             |

Technical

|                                                                    |                                                                                                                                                                         |                                                                                                                                                                         |
|--------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical Durability:                                             | 5000 cycle<br>60 cycles per hour                                                                                                                                        | 5000 cycle<br>60 cycles per hour                                                                                                                                        |
| Mechanical Durability:                                             | 20000 cycle<br>120 cycles per hour                                                                                                                                      | 20000 cycle<br>120 cycles per hour                                                                                                                                      |
| Number of Poles:                                                   | 4                                                                                                                                                                       | 3                                                                                                                                                                       |
| Power Loss:                                                        | at Rated Operating Conditions per Pole 41 W                                                                                                                             | at Rated Operating Conditions per Pole 41 W                                                                                                                             |
| Rated Current (I <sub>n</sub> ):                                   | 630 A                                                                                                                                                                   | 630 A                                                                                                                                                                   |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ):               | 8 kV                                                                                                                                                                    | 8 kV                                                                                                                                                                    |
| Rated Insulation Voltage (U <sub>i</sub> ):                        | 1000 V                                                                                                                                                                  | 1000 V                                                                                                                                                                  |
| Rated Operational Voltage:                                         | 690 V AC                                                                                                                                                                | 690 V AC                                                                                                                                                                |
| Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> ):  | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 75 kA<br>(690 V AC) 40 kA      | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 75 kA<br>(690 V AC) 40 kA      |
| Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> ): | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br><br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br><br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA |



Technical

|                                                                    |                                                                                                                                                                     |                                                                                                                                                                     |                                                                                                                                                                     |                                                                                                                                                                     |
|--------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical Durability:                                             | 7000 cycle<br>60 cycles per hour                                                                                                                                    | 7000 cycle<br>60 cycles per hour                                                                                                                                    | 7000 cycle<br>60 cycles per hour                                                                                                                                    | 7000 cycle<br>60 cycles per hour                                                                                                                                    |
| Mechanical Durability:                                             | 20000 cycle<br>120 cycles per hour                                                                                                                                  | 20000 cycle<br>120 cycles per hour                                                                                                                                  | 20000 cycle<br>120 cycles per hour                                                                                                                                  | 20000 cycle<br>120 cycles per hour                                                                                                                                  |
| Number of Poles:                                                   | 4                                                                                                                                                                   | 3                                                                                                                                                                   | 3                                                                                                                                                                   | 4                                                                                                                                                                   |
| Rated Current (I <sub>n</sub> ):                                   | 320 A                                                                                                                                                               | 320 A                                                                                                                                                               | 400 A                                                                                                                                                               | 400 A                                                                                                                                                               |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ):               | 8 kV                                                                                                                                                                | 8 kV                                                                                                                                                                | 8 kV                                                                                                                                                                | 8 kV                                                                                                                                                                |
| Rated Insulation Voltage (U <sub>i</sub> ):                        | 1000 V                                                                                                                                                              | 1000 V                                                                                                                                                              | 1000 V                                                                                                                                                              | 1000 V                                                                                                                                                              |
| Rated Operational Voltage:                                         | 690 V AC                                                                                                                                                            | 690 V AC                                                                                                                                                            | 690 V AC                                                                                                                                                            | 690 V AC                                                                                                                                                            |
| Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> ):  | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA |
| Rated Short-time Withstand Current Low Voltage (I <sub>cw</sub> ): | for 1 s 5 kA                                                                                                                                                        | for 1 s 5 kA                                                                                                                                                        | for 1 s 5 kA                                                                                                                                                        | for 1 s 5 kA                                                                                                                                                        |
| Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> ): | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA |
| Rated Uninterrupted Current (I <sub>u</sub> ):                     | 400 A                                                                                                                                                               | 400 A                                                                                                                                                               | 400 A                                                                                                                                                               | 400 A                                                                                                                                                               |
| Release:                                                           | Ekip E-LSIG                                                                                                                                                         | Ekip E-LSIG                                                                                                                                                         | Ekip E-LSIG                                                                                                                                                         | Ekip E-LSIG                                                                                                                                                         |
| Release Type:                                                      | EL                                                                                                                                                                  | EL                                                                                                                                                                  | EL                                                                                                                                                                  | EL                                                                                                                                                                  |
| Short-Circuit Performance Level:                                   | V                                                                                                                                                                   | V                                                                                                                                                                   | V                                                                                                                                                                   | V                                                                                                                                                                   |
| Standards:                                                         | IEC                                                                                                                                                                 | IEC                                                                                                                                                                 | IEC                                                                                                                                                                 | IEC                                                                                                                                                                 |
| Sub-type:                                                          | T5                                                                                                                                                                  | T5                                                                                                                                                                  | T5                                                                                                                                                                  | T5                                                                                                                                                                  |
| Terminal Connection Type:                                          | Fixed Circuit-Breakers<br>Front                                                                                                                                     | Fixed Circuit-Breakers<br>Front                                                                                                                                     | Fixed Circuit-Breakers<br>Front                                                                                                                                     | Fixed Circuit-Breakers<br>Front                                                                                                                                     |



T5V 400  
PR221DS-I  
In=320 3p F  
FC 1150VAC



T5V 400  
PR221DS-I  
In=320 4p F  
FC 1150VAC



T5V 400  
PR221DS-I  
In=320 3p F  
F



T5V 400  
PR221DS-I  
In=320 4p F F

Dimensions

|                             |          |          |          |          |
|-----------------------------|----------|----------|----------|----------|
| Product Net Depth / Length: | 103.5 mm | 103.5 mm | 103.5 mm | 103.5 mm |
| Product Net Height:         | 205 mm   | 205 mm   | 205 mm   | 205 mm   |
| Product Net Weight:         | 5.1 kg   | 6.2 kg   | 5.1 kg   | 6.2 kg   |
| Product Net Width:          | 140 mm   | 184 mm   | 140 mm   | 186 mm   |

Container Information

|                                 |         |         |         |         |
|---------------------------------|---------|---------|---------|---------|
| Package Level 1 Depth / Length: | 285 mm  | 285 mm  | 285 mm  | 285 mm  |
| Package Level 1 EAN:            |         |         |         |         |
| Package Level 1 Gross Weight:   | 5.1 kg  | 6.2 kg  | 5.1 kg  | 6.2 kg  |
| Package Level 1 Height:         | 240 mm  | 240 mm  | 240 mm  | 240 mm  |
| Package Level 1 Units:          | 1 piece | 1 piece | 1 piece | 1 piece |
| Package Level 1 Width:          | 248 mm  | 248 mm  | 248 mm  | 248 mm  |

Additional Information

|                             |                               |                               |                               |                               |
|-----------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Product Main Type:          | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   |
| Product Name:               | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  |
| Product Type:               | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     |
| Suitable For:               | T5                            | T5                            | T5                            | T5                            |
| Suitable for Product Class: | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers |
| Version:                    | F                             | F                             | F                             | F                             |

Technical

|                                                                    |                                               |                                               |                                                                                                                                                                     |                                                                                                                                                                     |
|--------------------------------------------------------------------|-----------------------------------------------|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical Durability:                                             | 7000 cycle<br>60 cycles per hour              | 7000 cycle<br>60 cycles per hour              | 7000 cycle<br>60 cycles per hour                                                                                                                                    | 7000 cycle<br>60 cycles per hour                                                                                                                                    |
| Mechanical Durability:                                             | 20000 cycle<br>120 cycles per hour            | 20000 cycle<br>120 cycles per hour            | 20000 cycle<br>120 cycles per hour                                                                                                                                  | 20000 cycle<br>120 cycles per hour                                                                                                                                  |
| Number of Poles:                                                   | 3                                             | 4                                             | 3                                                                                                                                                                   | 4                                                                                                                                                                   |
| Power Loss:                                                        | at Rated Operating Conditions per Pole 10.6 W | at Rated Operating Conditions per Pole 10.6 W | at Rated Operating Conditions per Pole 10.6 W                                                                                                                       | at Rated Operating Conditions per Pole 10.6 W                                                                                                                       |
| Rated Current (I <sub>n</sub> ):                                   | 320 A                                         | 320 A                                         | 320 A                                                                                                                                                               | 320 A                                                                                                                                                               |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ):               | 8 kV                                          | 8 kV                                          | 8 kV                                                                                                                                                                | 8 kV                                                                                                                                                                |
| Rated Insulation Voltage (U <sub>i</sub> ):                        | 1000 V                                        | 1150 V                                        | 1000 V                                                                                                                                                              | 1000 V                                                                                                                                                              |
| Rated Operational Voltage:                                         | 1150 V AC                                     | 1150 V AC                                     | 690 V AC                                                                                                                                                            | 690 V AC                                                                                                                                                            |
| Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> ):  | (1000 V AC) 10 kA<br>(1150 V AC) 6 kA         | (1000 V AC) 10 kA<br>(1150 V AC) 6 kA         | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA |
| Rated Short-time Withstand Current Low Voltage (I <sub>cw</sub> ): | for 1 s 5 kA                                  | for 1 s 5 kA                                  | for 1 s 5 kA                                                                                                                                                        | for 1 s 5 kA                                                                                                                                                        |

|                                                                    |                                                   |                                                   |                                                                                                                                                                     |                                                                                                                                                                     |
|--------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> ): | (1000 V AC) 20 kA<br>(1150 V AC) 12 kA            | (1000 V AC) 20 kA<br>(1150 V AC) 12 kA            | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA |
| Rated Uninterrupted Current (I <sub>u</sub> ):                     | 400 A                                             | 400 A                                             | 400 A                                                                                                                                                               | 400 A                                                                                                                                                               |
| Release:                                                           | PR221DS-I                                         | PR221DS-I                                         | PR221DS-I                                                                                                                                                           | PR221DS-I                                                                                                                                                           |
| Release Type:                                                      | EL                                                | EL                                                | EL                                                                                                                                                                  | EL                                                                                                                                                                  |
| Short-Circuit Performance Level:                                   | V                                                 | V                                                 | V                                                                                                                                                                   | V                                                                                                                                                                   |
| Standards:                                                         | IEC                                               | IEC                                               | IEC                                                                                                                                                                 | IEC                                                                                                                                                                 |
| Sub-type:                                                          | T5                                                | T5                                                | T5                                                                                                                                                                  | T5                                                                                                                                                                  |
| Terminal Connection Type:                                          | Fixed Circuit-Breakers<br>Front for Copper Cables | Fixed Circuit-Breakers<br>Front for Copper Cables | Fixed Circuit-Breakers<br>Front                                                                                                                                     | Fixed Circuit-Breakers<br>Front                                                                                                                                     |
| Test Voltage at Industrial Frequency for 1 Minute:                 | N/A                                               | N/A                                               | 3500 V                                                                                                                                                              | 3500 V                                                                                                                                                              |
| Test Voltage Max (U <sub>test</sub> ):                             | N/A                                               | N/A                                               | 3500 V                                                                                                                                                              | 3500 V                                                                                                                                                              |



T5V 400  
PR221DS-I  
In=400 4p F  
FC 1150VAC



T5V 400  
PR221DS-I  
In=400 3p F  
FC 1150VAC



T5V 400  
PR221DS-I  
In=400 3p  
F F



T5V 400  
PR221DS-I  
In=400 4p F F

### Dimensions

|                             |          |          |          |          |
|-----------------------------|----------|----------|----------|----------|
| Product Net Depth / Length: | 103.5 mm | 103.5 mm | 103.5 mm | 103.5 mm |
| Product Net Height:         | 205 mm   | 205 mm   | 205 mm   | 205 mm   |
| Product Net Weight:         | 6.2 kg   | 5.1 kg   | 5.1 kg   | 6.2 kg   |
| Product Net Width:          | 184 mm   | 140 mm   | 140 mm   | 186 mm   |

### Container Information

|                                 |        |          |        |        |
|---------------------------------|--------|----------|--------|--------|
| Package Level 1 Depth / Length: | 285 mm | 285 mm   | 285 mm | 285 mm |
| Package Level 1 EAN:            |        |          |        |        |
| Package Level 1 Gross Weight:   | 6.2 kg | 5.996 kg | 5.1 kg | 6.2 kg |
| Package Level 1 Height:         | 240 mm | 240 mm   | 240 mm | 240 mm |

|                        |         |         |         |         |
|------------------------|---------|---------|---------|---------|
| Package Level 1 Units: | 1 piece | 1 piece | 1 piece | 1 piece |
| Package Level 1 Width: | 248 mm  | 248 mm  | 248 mm  | 248 mm  |

Additional Information

|                             |                               |                               |                               |                               |
|-----------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Product Main Type:          | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   |
| Product Name:               | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  |
| Product Type:               | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     |
| Suitable For:               | T5                            | T5                            | T5                            | T5                            |
| Suitable for Product Class: | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers |
| Version:                    | F                             | F                             | F                             | F                             |

Technical

|                                                                    |                                                |                                                |                                                                                                                                                                     |                                                                                                                                                                     |
|--------------------------------------------------------------------|------------------------------------------------|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical Durability:                                             | 7000 cycle<br>60 cycles per hour               | 7000 cycle<br>60 cycles per hour               | 7000 cycle<br>60 cycles per hour                                                                                                                                    | 7000 cycle<br>60 cycles per hour                                                                                                                                    |
| Mechanical Durability:                                             | 20000 cycle<br>120 cycles per hour             | 20000 cycle<br>120 cycles per hour             | 20000 cycle<br>120 cycles per hour                                                                                                                                  | 20000 cycle<br>120 cycles per hour                                                                                                                                  |
| Number of Poles:                                                   | 4                                              | 3                                              | 3                                                                                                                                                                   | 4                                                                                                                                                                   |
| Power Loss:                                                        | at Rated Operating Conditions per Pole 16.5 W  | at Rated Operating Conditions per Pole 16.5 W  | at Rated Operating Conditions per Pole 16.5 W                                                                                                                       | at Rated Operating Conditions per Pole 16.5 W                                                                                                                       |
| Rated Current (I <sub>n</sub> ):                                   | 400 A                                          | 400 A                                          | 400 A                                                                                                                                                               | 400 A                                                                                                                                                               |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ):               | 8 kV                                           | 8 kV                                           | 8 kV                                                                                                                                                                | 8 kV                                                                                                                                                                |
| Rated Insulation Voltage (U <sub>i</sub> ):                        | 1150 V                                         | 1150 V                                         | 1000 V                                                                                                                                                              | 1000 V                                                                                                                                                              |
| Rated Operational Voltage:                                         | 1150 V AC                                      | 1150 V AC                                      | 690 V AC                                                                                                                                                            | 690 V AC                                                                                                                                                            |
| Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> ):  | (1000 V AC) 10 kA<br>(1150 V AC) 6 kA          | (1000 V AC) 10 kA<br>(1150 V AC) 6 kA          | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA |
| Rated Short-time Withstand Current Low Voltage (I <sub>cw</sub> ): | for 1 s 5 kA                                   | for 1 s 5 kA                                   | for 1 s 5 kA                                                                                                                                                        | for 1 s 5 kA                                                                                                                                                        |
| Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cw</sub> ): | (1000 V AC) 20 kA<br>(1150 V AC) 12 kA         | (1000 V AC) 20 kA<br>(1150 V AC) 12 kA         | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA |
| Rated Uninterrupted Current (I <sub>u</sub> ):                     | 400 A                                          | 400 A                                          | 400 A                                                                                                                                                               | 400 A                                                                                                                                                               |
| Release:                                                           | PR221DS-I                                      | PR221DS-I                                      | PR221DS-I                                                                                                                                                           | PR221DS-I                                                                                                                                                           |
| Release Type:                                                      | EL                                             | EL                                             | EL                                                                                                                                                                  | EL                                                                                                                                                                  |
| Short-Circuit Performance Level:                                   | V                                              | V                                              | V                                                                                                                                                                   | V                                                                                                                                                                   |
| Standards:                                                         | IEC                                            | IEC                                            | IEC                                                                                                                                                                 | IEC                                                                                                                                                                 |
| Sub-type:                                                          | T5                                             | T5                                             | T5                                                                                                                                                                  | T5                                                                                                                                                                  |
| Terminal Connection Type:                                          | Fixed Circuit-Breakers Front for Copper Cables | Fixed Circuit-Breakers Front for Copper Cables | Fixed Circuit-Breakers Front                                                                                                                                        | Fixed Circuit-Breakers Front                                                                                                                                        |

|                                                    |     |        |        |        |
|----------------------------------------------------|-----|--------|--------|--------|
| Test Voltage at Industrial Frequency for 1 Minute: | N/A | N/A    | 3500 V | 3500 V |
| Test Voltage Max (U <sub>test</sub> ):             | N/A | 3500 V | 3500 V | 3500 V |



T5V 400  
PR221DS-LS/I  
In=320 4p F F



T5V 400  
PR221DS-LS/I  
In=320 3p F F



T5V 400  
PR221DS-LS/I  
In=400 3p F F



T5V 400  
PR221DS-LS/I  
In=400 4p F F

### Dimensions

|                             |          |          |          |          |
|-----------------------------|----------|----------|----------|----------|
| Product Net Depth / Length: | 103.5 mm | 103.5 mm | 103.5 mm | 103.5 mm |
| Product Net Height:         | 205 mm   | 205 mm   | 205 mm   | 205 mm   |
| Product Net Weight:         | 6.2 kg   | 5.1 kg   | 5.1 kg   | 6.2 kg   |
| Product Net Width:          | 186 mm   | 140 mm   | 140 mm   | 186 mm   |

### Container Information

|                                 |         |         |         |         |
|---------------------------------|---------|---------|---------|---------|
| Package Level 1 Depth / Length: | 285 mm  | 285 mm  | 285 mm  | 285 mm  |
| Package Level 1 EAN:            |         |         |         |         |
| Package Level 1 Gross Weight:   | 6.2 kg  | 5.1 kg  | 5.1 kg  | 6.2 kg  |
| Package Level 1 Height:         | 240 mm  | 240 mm  | 240 mm  | 240 mm  |
| Package Level 1 Units:          | 1 piece | 1 piece | 1 piece | 1 piece |
| Package Level 1 Width:          | 248 mm  | 248 mm  | 248 mm  | 248 mm  |

### Additional Information

|                             |                               |                               |                               |                               |
|-----------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Product Main Type:          | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   |
| Product Name:               | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  |
| Product Type:               | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     |
| Suitable For:               | T5                            | T5                            | T5                            | T5                            |
| Suitable for Product Class: | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers |
| Version:                    | F                             | F                             | F                             | F                             |

### Technical

|                        |                                    |                                    |                                    |                                    |
|------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| Electrical Durability: | 7000 cycle<br>60 cycles per hour   | 7000 cycle<br>60 cycles per hour   | 7000 cycle<br>60 cycles per hour   | 7000 cycle<br>60 cycles per hour   |
| Mechanical Durability: | 20000 cycle<br>120 cycles per hour | 20000 cycle<br>120 cycles per hour | 20000 cycle<br>120 cycles per hour | 20000 cycle<br>120 cycles per hour |
| Number of Poles:       | 4                                  | 3                                  | 3                                  | 4                                  |

| Power Loss:                                                           | at Rated Operating<br>Conditions per Pole 10.6 W                                                                                                                    | at Rated Operating<br>Conditions per Pole 10.6 W                                                                                                                    | at Rated Operating<br>Conditions per Pole 16.5 W                                                                                                                    | at Rated Operating<br>Conditions per Pole 16.5 W                                                                                                                    |
|-----------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Rated Current (I <sub>n</sub> ):                                      | 320 A                                                                                                                                                               | 320 A                                                                                                                                                               | 400 A                                                                                                                                                               | 400 A                                                                                                                                                               |
| Rated Impulse Withstand<br>Voltage (U <sub>imp</sub> ):               | 8 kV                                                                                                                                                                | 8 kV                                                                                                                                                                | 8 kV                                                                                                                                                                | 8 kV                                                                                                                                                                |
| Rated Insulation Voltage (U <sub>i</sub> ):                           | 1000 V                                                                                                                                                              | 1000 V                                                                                                                                                              | 1000 V                                                                                                                                                              | 1000 V                                                                                                                                                              |
| Rated Operational Voltage:                                            | 690 V AC                                                                                                                                                            | 690 V AC                                                                                                                                                            | 690 V AC                                                                                                                                                            | 690 V AC                                                                                                                                                            |
| Rated Service Short-Circuit<br>Breaking Capacity (I <sub>cs</sub> ):  | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA |
| Rated Short-time Withstand<br>Current Low Voltage (I <sub>cw</sub> ): | for 1 s 5 kA                                                                                                                                                        | for 1 s 5 kA                                                                                                                                                        | for 1 s 5 kA                                                                                                                                                        | for 1 s 5 kA                                                                                                                                                        |
| Rated Ultimate Short-Circuit<br>Breaking Capacity (I <sub>cu</sub> ): | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA |
| Rated Uninterrupted Current<br>(I <sub>u</sub> ):                     | 400 A                                                                                                                                                               | 400 A                                                                                                                                                               | 400 A                                                                                                                                                               | 400 A                                                                                                                                                               |
| Release:                                                              | PR221DS-LS/I                                                                                                                                                        | PR221DS-LS/I                                                                                                                                                        | PR221DS-LS/I                                                                                                                                                        | PR221DS-LS/I                                                                                                                                                        |
| Release Type:                                                         | EL                                                                                                                                                                  | EL                                                                                                                                                                  | EL                                                                                                                                                                  | EL                                                                                                                                                                  |
| Short-Circuit Performance<br>Level:                                   | V                                                                                                                                                                   | V                                                                                                                                                                   | V                                                                                                                                                                   | V                                                                                                                                                                   |
| Standards:                                                            | IEC                                                                                                                                                                 | IEC                                                                                                                                                                 | IEC                                                                                                                                                                 | IEC                                                                                                                                                                 |
| Sub-type:                                                             | T5                                                                                                                                                                  | T5                                                                                                                                                                  | T5                                                                                                                                                                  | T5                                                                                                                                                                  |
| Terminal Connection Type:                                             | Fixed Circuit-Breakers<br>Front                                                                                                                                     | Fixed Circuit-Breakers<br>Front                                                                                                                                     | Fixed Circuit-Breakers<br>Front                                                                                                                                     | Fixed Circuit-Breakers<br>Front                                                                                                                                     |
| Test Voltage at Industrial<br>Frequency for 1 Minute:                 | 3500 V                                                                                                                                                              | 3500 V                                                                                                                                                              | 3500 V                                                                                                                                                              | 3500 V                                                                                                                                                              |
| Test Voltage Max (U <sub>test</sub> ):                                | 3500 V                                                                                                                                                              | 3500 V                                                                                                                                                              | 3500 V                                                                                                                                                              | 3500 V                                                                                                                                                              |



**T5V400**  
**PR221DS-LS/I4**  
**In400 4p FFC**  
**1150VAC**



**T5V400**  
**PR221DS-LS/I4**  
**In400 3p FFC**  
**1150VAC**



**T5V400**  
**PR221DS-LS/I4**  
**In320 3p FFC**  
**1150VAC**



**T5V400**  
**PR221DS-LS/I4**  
**In320 4p FFC**  
**1150VAC**

**Dimensions**

|                             |          |          |          |          |
|-----------------------------|----------|----------|----------|----------|
| Product Net Depth / Length: | 103.5 mm | 103.5 mm | 103.5 mm | 103.5 mm |
| Product Net Height:         | 205 mm   | 205 mm   | 205 mm   | 205 mm   |

|                     |        |        |        |        |
|---------------------|--------|--------|--------|--------|
| Product Net Weight: | 6.2 kg | 5.1 kg | 5.1 kg | 6.2 kg |
| Product Net Width:  | 184 mm | 140 mm | 140 mm | 184 mm |

Container Information

|                                 |         |         |         |         |
|---------------------------------|---------|---------|---------|---------|
| Package Level 1 Depth / Length: | 285 mm  | 285 mm  | 285 mm  | 285 mm  |
| Package Level 1 EAN:            |         |         |         |         |
| Package Level 1 Gross Weight:   | 6.2 kg  | 5.1 kg  | 5.1 kg  | 6.2 kg  |
| Package Level 1 Height:         | 240 mm  | 240 mm  | 240 mm  | 240 mm  |
| Package Level 1 Units:          | 1 piece | 1 piece | 1 piece | 1 piece |
| Package Level 1 Width:          | 248 mm  | 248 mm  | 248 mm  | 248 mm  |

Additional Information

|                             |                               |                               |                               |                               |
|-----------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Product Main Type:          | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   |
| Product Name:               | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  |
| Product Type:               | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     |
| Suitable For:               | T5                            | T5                            | T5                            | T5                            |
| Suitable for Product Class: | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers |
| Version:                    | F                             | F                             | F                             | F                             |

Technical

|                                                                    |                                               |                                               |                                               |                                               |
|--------------------------------------------------------------------|-----------------------------------------------|-----------------------------------------------|-----------------------------------------------|-----------------------------------------------|
| Electrical Durability:                                             | 7000 cycle<br>60 cycles per hour              | 7000 cycle<br>60 cycles per hour              | 7000 cycle<br>60 cycles per hour              | 7000 cycle<br>60 cycles per hour              |
| Mechanical Durability:                                             | 20000 cycle<br>120 cycles per hour            | 20000 cycle<br>120 cycles per hour            | 20000 cycle<br>120 cycles per hour            | 20000 cycle<br>120 cycles per hour            |
| Number of Poles:                                                   | 4                                             | 3                                             | 3                                             | 4                                             |
| Power Loss:                                                        | at Rated Operating Conditions per Pole 16.5 W | at Rated Operating Conditions per Pole 16.5 W | at Rated Operating Conditions per Pole 10.6 W | at Rated Operating Conditions per Pole 10.6 W |
| Rated Current (I <sub>n</sub> ):                                   | 400 A                                         | 400 A                                         | 320 A                                         | 320 A                                         |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ):               | 8 kV                                          | 8 kV                                          | 8 kV                                          | 8 kV                                          |
| Rated Insulation Voltage (U <sub>i</sub> ):                        | 1150 V                                        | 1000 V                                        | 1000 V                                        | 1150 V                                        |
| Rated Operational Voltage:                                         | 1150 V AC                                     | 1150 V AC                                     | 1150 V AC                                     | 1150 V AC                                     |
| Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> ):  | (1000 V AC) 10 kA<br>(1150 V AC) 6 kA         | (1000 V AC) 10 kA<br>(1150 V AC) 6 kA         | (1000 V AC) 10 kA<br>(1150 V AC) 6 kA         | (1000 V AC) 10 kA<br>(1150 V AC) 6 kA         |
| Rated Short-time Withstand Current Low Voltage (I <sub>cw</sub> ): | for 1 s 5 kA                                  | for 1 s 5 kA                                  | for 1 s 5 kA                                  | for 1 s 5 kA                                  |
| Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> ): | (1000 V AC) 20 kA<br>(1150 V AC) 12 kA        | (1000 V AC) 20 kA<br>(1150 V AC) 12 kA        | (1000 V AC) 20 kA<br>(1150 V AC) 12 kA        | (1000 V AC) 20 kA<br>(1150 V AC) 12 kA        |
| Rated Uninterrupted Current (I <sub>u</sub> ):                     | 400 A                                         | 400 A                                         | 400 A                                         | 400 A                                         |
| Release:                                                           | PR221DS-LS/I                                  | PR221DS-LS/I                                  | PR221DS-LS/I                                  | PR221DS-LS/I                                  |
| Release Type:                                                      | EL                                            | EL                                            | EL                                            | EL                                            |

|                                        |                                                |                                                |                                                |                                                |
|----------------------------------------|------------------------------------------------|------------------------------------------------|------------------------------------------------|------------------------------------------------|
| Short-Circuit Performance Level:       | V                                              | V                                              | V                                              | V                                              |
| Standards:                             | IEC                                            | IEC                                            | IEC                                            | IEC                                            |
| Sub-type:                              | T5                                             | T5                                             | T5                                             | T5                                             |
| Terminal Connection Type:              | Fixed Circuit-Breakers Front for Copper Cables | Fixed Circuit-Breakers Front for Copper Cables | Fixed Circuit-Breakers Front for Copper Cables | Fixed Circuit-Breakers Front for Copper Cables |
| Test Voltage Max (U <sub>test</sub> ): | N/A                                            | 3500 V                                         | N/A                                            | N/A                                            |



T5V 400  
PR222DS/P-  
LSIG In=400  
4p F F



T5V 400  
PR222DS/P-  
LSIG In=400  
3p F F



T5V 400  
PR222DS/P-  
LSIG In=320  
4p F F



T5V 400  
PR222DS/P-  
LSIG In=320  
3p F F

#### Dimensions

|                             |          |          |          |          |
|-----------------------------|----------|----------|----------|----------|
| Product Net Depth / Length: | 103.5 mm | 103.5 mm | 103.5 mm | 103.5 mm |
| Product Net Height:         | 205 mm   | 205 mm   | 205 mm   | 205 mm   |
| Product Net Weight:         | 6.2 kg   | 5.1 kg   | 6.2 kg   | 5.1 kg   |
| Product Net Width:          | 186 mm   | 140 mm   | 186 mm   | 140 mm   |

#### Container Information

|                                 |         |         |         |         |
|---------------------------------|---------|---------|---------|---------|
| Package Level 1 Depth / Length: | 285 mm  | 285 mm  | 285 mm  | 285 mm  |
| Package Level 1 EAN:            |         |         |         |         |
| Package Level 1 Gross Weight:   | 6.2 kg  | 5.1 kg  | 6.2 kg  | 5.1 kg  |
| Package Level 1 Height:         | 240 mm  | 240 mm  | 240 mm  | 240 mm  |
| Package Level 1 Units:          | 1 piece | 1 piece | 1 piece | 1 piece |
| Package Level 1 Width:          | 248 mm  | 248 mm  | 248 mm  | 248 mm  |

#### Additional Information

|                             |                               |                               |                               |                               |
|-----------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Product Main Type:          | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   |
| Product Name:               | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  |
| Product Type:               | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     |
| Suitable For:               | T5                            | T5                            | T5                            | T5                            |
| Suitable for Product Class: | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers |
| Version:                    | F                             | F                             | F                             | F                             |

#### Technical

|                        |                                    |                                    |                                    |                                    |
|------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| Electrical Durability: | 7000 cycle<br>60 cycles per hour   | 7000 cycle<br>60 cycles per hour   | 7000 cycle<br>60 cycles per hour   | 7000 cycle<br>60 cycles per hour   |
| Mechanical Durability: | 20000 cycle<br>120 cycles per hour | 20000 cycle<br>120 cycles per hour | 20000 cycle<br>120 cycles per hour | 20000 cycle<br>120 cycles per hour |
| Number of Poles:       | 4                                  | 3                                  | 4                                  | 3                                  |

|                                                                    |                                                                                                                                                                     |                                                                                                                                                                     |                                                                                                                                                                     |                                                                                                                                                                     |
|--------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Power Loss:                                                        | at Rated Operating Conditions per Pole 16.5 W                                                                                                                       | at Rated Operating Conditions per Pole 16.5 W                                                                                                                       | at Rated Operating Conditions per Pole 10.6 W                                                                                                                       | at Rated Operating Conditions per Pole 10.6 W                                                                                                                       |
| Rated Current (I <sub>n</sub> ):                                   | 400 A                                                                                                                                                               | 400 A                                                                                                                                                               | 320 A                                                                                                                                                               | 320 A                                                                                                                                                               |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ):               | 8 kV                                                                                                                                                                | 8 kV                                                                                                                                                                | 8 kV                                                                                                                                                                | 8 kV                                                                                                                                                                |
| Rated Insulation Voltage (U <sub>i</sub> ):                        | 1000 V                                                                                                                                                              | 1000 V                                                                                                                                                              | 1000 V                                                                                                                                                              | 1000 V                                                                                                                                                              |
| Rated Operational Voltage:                                         | 690 V AC                                                                                                                                                            | 690 V AC                                                                                                                                                            | 690 V AC                                                                                                                                                            | 690 V AC                                                                                                                                                            |
| Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> ):  | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA |
| Rated Short-time Withstand Current Low Voltage (I <sub>cw</sub> ): | for 1 s 5 kA                                                                                                                                                        | for 1 s 5 kA                                                                                                                                                        | for 1 s 5 kA                                                                                                                                                        | for 1 s 5 kA                                                                                                                                                        |
| Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> ): | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA |
| Rated Uninterrupted Current (I <sub>u</sub> ):                     | 400 A                                                                                                                                                               | 400 A                                                                                                                                                               | 400 A                                                                                                                                                               | 400 A                                                                                                                                                               |
| Release:                                                           | PR222DS/P-LSIG                                                                                                                                                      | PR222DS/P-LSIG                                                                                                                                                      | PR222DS/P-LSIG                                                                                                                                                      | PR222DS/P-LSIG                                                                                                                                                      |
| Release Type:                                                      | EL                                                                                                                                                                  | EL                                                                                                                                                                  | EL                                                                                                                                                                  | EL                                                                                                                                                                  |
| Short-Circuit Performance Level:                                   | V                                                                                                                                                                   | V                                                                                                                                                                   | V                                                                                                                                                                   | V                                                                                                                                                                   |
| Standards:                                                         | IEC                                                                                                                                                                 | IEC                                                                                                                                                                 | IEC                                                                                                                                                                 | IEC                                                                                                                                                                 |
| Sub-type:                                                          | T5                                                                                                                                                                  | T5                                                                                                                                                                  | T5                                                                                                                                                                  | T5                                                                                                                                                                  |
| Terminal Connection Type:                                          | Fixed Circuit-Breakers Front                                                                                                                                        | Fixed Circuit-Breakers Front                                                                                                                                        | Fixed Circuit-Breakers Front                                                                                                                                        | Fixed Circuit-Breakers Front                                                                                                                                        |
| Test Voltage at Industrial Frequency for 1 Minute:                 | 3500 V                                                                                                                                                              | 3500 V                                                                                                                                                              | 3500 V                                                                                                                                                              | 3500 V                                                                                                                                                              |
| Test Voltage Max (U <sub>test</sub> ):                             | 3500 V                                                                                                                                                              | 3500 V                                                                                                                                                              | 3500 V                                                                                                                                                              | 3500 V                                                                                                                                                              |



T5V400  
PR222DS/P-  
LSIG In320  
4pFFC1150VAC



T5V400  
PR222DS/P-  
LSIG In320  
3pFFC1150VAC



T5V400  
PR222DS/P-  
LSIG In400  
4pFFC1150VAC



T5V400  
PR222DS/P-  
LSIG In400  
3pFFC1150VAC

Dimensions

|                             |          |          |          |          |
|-----------------------------|----------|----------|----------|----------|
| Product Net Depth / Length: | 103.5 mm | 103.5 mm | 103.5 mm | 103.5 mm |
| Product Net Height:         | 205 mm   | 205 mm   | 205 mm   | 205 mm   |

|                     |        |        |        |        |
|---------------------|--------|--------|--------|--------|
| Product Net Weight: | 6.2 kg | 5.1 kg | 6.2 kg | 5.1 kg |
| Product Net Width:  | 184 mm | 140 mm | 184 mm | 140 mm |

Container Information

|                                 |         |         |         |         |
|---------------------------------|---------|---------|---------|---------|
| Package Level 1 Depth / Length: | 285 mm  | 285 mm  | 285 mm  | 285 mm  |
| Package Level 1 EAN:            |         |         |         |         |
| Package Level 1 Gross Weight:   | 6.2 kg  | 5.1 kg  | 6.2 kg  | 5.1 kg  |
| Package Level 1 Height:         | 240 mm  | 240 mm  | 240 mm  | 240 mm  |
| Package Level 1 Units:          | 1 piece | 1 piece | 1 piece | 1 piece |
| Package Level 1 Width:          | 248 mm  | 248 mm  | 248 mm  | 248 mm  |

Additional Information

|                             |                               |                               |                               |                               |
|-----------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Product Main Type:          | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   |
| Product Name:               | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  |
| Product Type:               | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     |
| Suitable For:               | T5                            | T5                            | T5                            | T5                            |
| Suitable for Product Class: | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers |
| Version:                    | F                             | F                             | F                             | F                             |

Technical

|                                                                    |                                               |                                               |                                               |                                               |
|--------------------------------------------------------------------|-----------------------------------------------|-----------------------------------------------|-----------------------------------------------|-----------------------------------------------|
| Electrical Durability:                                             | 7000 cycle<br>60 cycles per hour              | 7000 cycle<br>60 cycles per hour              | 7000 cycle<br>60 cycles per hour              | 7000 cycle<br>60 cycles per hour              |
| Mechanical Durability:                                             | 20000 cycle<br>120 cycles per hour            | 20000 cycle<br>120 cycles per hour            | 20000 cycle<br>120 cycles per hour            | 20000 cycle<br>120 cycles per hour            |
| Number of Poles:                                                   | 4                                             | 3                                             | 4                                             | 3                                             |
| Power Loss:                                                        | at Rated Operating Conditions per Pole 10.6 W | at Rated Operating Conditions per Pole 10.6 W | at Rated Operating Conditions per Pole 16.5 W | at Rated Operating Conditions per Pole 16.5 W |
| Rated Current (I <sub>n</sub> ):                                   | 320 A                                         | 320 A                                         | 400 A                                         | 400 A                                         |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ):               | 8 kV                                          | 8 kV                                          | 8 kV                                          | 8 kV                                          |
| Rated Insulation Voltage (U <sub>i</sub> ):                        | 1150 V                                        | 1000 V                                        | 1150 V                                        | 1150 V                                        |
| Rated Operational Voltage:                                         | 1150 V AC                                     | 1150 V AC                                     | 1150 V AC                                     | 1150 V AC                                     |
| Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> ):  | (1000 V AC) 10 kA<br>(1150 V AC) 6 kA         | (1000 V AC) 10 kA<br>(1150 V AC) 6 kA         | (1000 V AC) 10 kA<br>(1150 V AC) 6 kA         | (1000 V AC) 10 kA<br>(1150 V AC) 6 kA         |
| Rated Short-time Withstand Current Low Voltage (I <sub>cw</sub> ): | for 1 s 5 kA                                  | for 1 s 5 kA                                  | for 1 s 5 kA                                  | for 1 s 5 kA                                  |
| Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> ): | (1000 V AC) 20 kA<br>(1150 V AC) 12 kA        | (1000 V AC) 20 kA<br>(1150 V AC) 12 kA        | (1000 V AC) 20 kA<br>(1150 V AC) 12 kA        | (1000 V AC) 20 kA<br>(1150 V AC) 12 kA        |
| Rated Uninterrupted Current (I <sub>u</sub> ):                     | 400 A                                         | 400 A                                         | 400 A                                         | 400 A                                         |
| Release:                                                           | PR222DS/P-LSIG                                | PR222DS/P-LSIG                                | PR222DS/P-LSIG                                | PR222DS/P-LSIG                                |

|                                        |                                                |                                                |                                                |                                                |
|----------------------------------------|------------------------------------------------|------------------------------------------------|------------------------------------------------|------------------------------------------------|
| Release Type:                          | EL                                             | EL                                             | EL                                             | EL                                             |
| Short-Circuit Performance Level:       | V                                              | V                                              | V                                              | V                                              |
| Standards:                             | IEC                                            | IEC                                            | IEC                                            | IEC                                            |
| Sub-type:                              | T5                                             | T5                                             | T5                                             | T5                                             |
| Terminal Connection Type:              | Fixed Circuit-Breakers Front for Copper Cables | Fixed Circuit-Breakers Front for Copper Cables | Fixed Circuit-Breakers Front for Copper Cables | Fixed Circuit-Breakers Front for Copper Cables |
| Test Voltage Max (U <sub>test</sub> ): | N/A                                            | N/A                                            | N/A                                            | 3500 V                                         |



T5V 400  
PR222DS/P-  
LSI In=400 4p  
F F



T5V 400  
PR222DS/P-  
LSI In=400 3p  
F F



T5V 400  
PR222DS/P-  
LSI In=320 4p  
F F



T5V 400  
PR222DS/P-  
LSI In=320 3p  
F F

### Dimensions

|                             |          |          |          |          |
|-----------------------------|----------|----------|----------|----------|
| Product Net Depth / Length: | 103.5 mm | 103.5 mm | 103.5 mm | 103.5 mm |
| Product Net Height:         | 205 mm   | 205 mm   | 205 mm   | 205 mm   |
| Product Net Weight:         | 6.2 kg   | 5.1 kg   | 6.2 kg   | 5.1 kg   |
| Product Net Width:          | 186 mm   | 140 mm   | 186 mm   | 140 mm   |

### Container Information

|                                 |         |         |         |         |
|---------------------------------|---------|---------|---------|---------|
| Package Level 1 Depth / Length: | 285 mm  | 285 mm  | 285 mm  | 285 mm  |
| Package Level 1 EAN:            |         |         |         |         |
| Package Level 1 Gross Weight:   | 6.2 kg  | 5.1 kg  | 6.2 kg  | 5.1 kg  |
| Package Level 1 Height:         | 240 mm  | 240 mm  | 240 mm  | 240 mm  |
| Package Level 1 Units:          | 1 piece | 1 piece | 1 piece | 1 piece |
| Package Level 1 Width:          | 248 mm  | 248 mm  | 248 mm  | 248 mm  |

### Additional Information

|                             |                               |                               |                               |                               |
|-----------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Product Main Type:          | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   |
| Product Name:               | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  |
| Product Type:               | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     |
| Suitable For:               | T5                            | T5                            | T5                            | T5                            |
| Suitable for Product Class: | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers |
| Version:                    | F                             | F                             | F                             | F                             |

Technical

|                                                                       |                                                                                                                                                                     |                                                                                                                                                                     |                                                                                                                                                                     |                                                                                                                                                                     |
|-----------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical Durability:                                                | 7000 cycle<br>60 cycles per hour                                                                                                                                    | 7000 cycle<br>60 cycles per hour                                                                                                                                    | 7000 cycle<br>60 cycles per hour                                                                                                                                    | 7000 cycle<br>60 cycles per hour                                                                                                                                    |
|                                                                       | 20000 cycle<br>120 cycles per hour                                                                                                                                  | 20000 cycle<br>120 cycles per hour                                                                                                                                  | 20000 cycle<br>120 cycles per hour                                                                                                                                  | 20000 cycle<br>120 cycles per hour                                                                                                                                  |
| Mechanical Durability:                                                | 4                                                                                                                                                                   | 3                                                                                                                                                                   | 4                                                                                                                                                                   | 3                                                                                                                                                                   |
| Number of Poles:                                                      | at Rated Operating<br>Conditions per Pole 16.5 W                                                                                                                    | at Rated Operating<br>Conditions per Pole 16.5 W                                                                                                                    | at Rated Operating<br>Conditions per Pole 10.6 W                                                                                                                    | at Rated Operating<br>Conditions per Pole 10.6 W                                                                                                                    |
| Power Loss:                                                           | 400 A                                                                                                                                                               | 400 A                                                                                                                                                               | 320 A                                                                                                                                                               | 320 A                                                                                                                                                               |
| Rated Current (I <sub>n</sub> ):                                      | 8 kV                                                                                                                                                                | 8 kV                                                                                                                                                                | 8 kV                                                                                                                                                                | 8 kV                                                                                                                                                                |
| Rated Impulse Withstand<br>Voltage (U <sub>imp</sub> ):               | 1000 V                                                                                                                                                              | 1000 V                                                                                                                                                              | 1000 V                                                                                                                                                              | 1000 V                                                                                                                                                              |
| Rated Insulation Voltage (U <sub>i</sub> ):                           | 690 V AC                                                                                                                                                            | 690 V AC                                                                                                                                                            | 690 V AC                                                                                                                                                            | 690 V AC                                                                                                                                                            |
| Rated Operational Voltage:                                            | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA |
| Rated Service Short-Circuit<br>Breaking Capacity (I <sub>cs</sub> ):  | for 1 s 5 kA                                                                                                                                                        | for 1 s 5 kA                                                                                                                                                        | for 1 s 5 kA                                                                                                                                                        | for 1 s 5 kA                                                                                                                                                        |
| Rated Short-time Withstand<br>Current Low Voltage (I <sub>cw</sub> ): | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA |
| Rated Ultimate Short-Circuit<br>Breaking Capacity (I <sub>cu</sub> ): | 400 A                                                                                                                                                               | 400 A                                                                                                                                                               | 400 A                                                                                                                                                               | 400 A                                                                                                                                                               |
| Rated Uninterrupted Current<br>(I <sub>u</sub> ):                     | PR222DS/P-LSI                                                                                                                                                       | PR222DS/P-LSI                                                                                                                                                       | PR222DS/P-LSI                                                                                                                                                       | PR222DS/P-LSI                                                                                                                                                       |
| Release:                                                              | EL                                                                                                                                                                  | EL                                                                                                                                                                  | EL                                                                                                                                                                  | EL                                                                                                                                                                  |
| Release Type:                                                         | V                                                                                                                                                                   | V                                                                                                                                                                   | V                                                                                                                                                                   | V                                                                                                                                                                   |
| Short-Circuit Performance<br>Level:                                   | IEC                                                                                                                                                                 | IEC                                                                                                                                                                 | IEC                                                                                                                                                                 | IEC                                                                                                                                                                 |
| Standards:                                                            | T5                                                                                                                                                                  | T5                                                                                                                                                                  | T5                                                                                                                                                                  | T5                                                                                                                                                                  |
| Sub-type:                                                             | Fixed Circuit-Breakers<br>Front                                                                                                                                     | Fixed Circuit-Breakers<br>Front                                                                                                                                     | Fixed Circuit-Breakers<br>Front                                                                                                                                     | Fixed Circuit-Breakers<br>Front                                                                                                                                     |
| Terminal Connection Type:                                             | 3500 V                                                                                                                                                              | 3500 V                                                                                                                                                              | 3500 V                                                                                                                                                              | 3500 V                                                                                                                                                              |
| Test Voltage at Industrial<br>Frequency for 1 Minute:                 | 3500 V                                                                                                                                                              | 3500 V                                                                                                                                                              | 3500 V                                                                                                                                                              | 3500 V                                                                                                                                                              |
| Test Voltage Max (U <sub>test</sub> ):                                |                                                                                                                                                                     |                                                                                                                                                                     |                                                                                                                                                                     |                                                                                                                                                                     |



T5V400  
PR222DS/P-  
LSI In320 3p  
FFC1150VAC



T5V400  
PR222DS/P-  
LSI In400 4p  
FFC1150VAC



T5V400  
PR222DS/P-  
LSI In400  
3pFFC1150VA  
C

Dimensions

|                             |          |          |          |          |
|-----------------------------|----------|----------|----------|----------|
| Product Net Depth / Length: | 103.5 mm | 103.5 mm | 103.5 mm | 103.5 mm |
| Product Net Height:         | 205 mm   | 205 mm   | 205 mm   | 205 mm   |
| Product Net Weight:         | 5.1 kg   | 5.1 kg   | 6.2 kg   | 5.1 kg   |
| Product Net Width:          | 140 mm   | 140 mm   | 184 mm   | 140 mm   |

Container Information

|                                 |         |             |         |         |
|---------------------------------|---------|-------------|---------|---------|
| Package Level 1 Depth / Length: | 285 mm  | 244 mm      | 285 mm  | 285 mm  |
| Package Level 1 EAN:            |         |             |         |         |
| Package Level 1 Gross Weight:   | 5.1 kg  | 5.1 kg      | 6.2 kg  | 5.1 kg  |
| Package Level 1 Height:         | 240 mm  | 244 mm      | 240 mm  | 240 mm  |
| Package Level 1 Units:          | 1 piece | box 1 piece | 1 piece | 1 piece |
| Package Level 1 Width:          | 248 mm  | 284 mm      | 248 mm  | 248 mm  |

Additional Information

|                             |                               |                               |                               |                               |
|-----------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Product Main Type:          | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   |
| Product Name:               | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  |
| Product Type:               | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     |
| Suitable For:               | T5                            | T5                            | T5                            | T5                            |
| Suitable for Product Class: | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers |
| Version:                    | F                             | F                             | F                             | F                             |

Technical

|                                                         |                                                  |                                    |                                                  |                                                  |
|---------------------------------------------------------|--------------------------------------------------|------------------------------------|--------------------------------------------------|--------------------------------------------------|
| Electrical Durability:                                  | 7000 cycle<br>60 cycles per hour                 | 7000 cycle<br>60 cycles per hour   | 7000 cycle<br>60 cycles per hour                 | 7000 cycle<br>60 cycles per hour                 |
| Mechanical Durability:                                  | 20000 cycle<br>120 cycles per hour               | 20000 cycle<br>120 cycles per hour | 20000 cycle<br>120 cycles per hour               | 20000 cycle<br>120 cycles per hour               |
| Number of Poles:                                        | 3                                                | 3                                  | 4                                                | 3                                                |
| Power Loss:                                             | at Rated Operating<br>Conditions per Pole 10.6 W | N/A                                | at Rated Operating<br>Conditions per Pole 16.5 W | at Rated Operating<br>Conditions per Pole 16.5 W |
| Rated Current (I <sub>n</sub> ):                        | 320 A                                            | 400 A                              | 400 A                                            | 400 A                                            |
| Rated Impulse Withstand<br>Voltage (U <sub>imp</sub> ): | 8 kV                                             | 8 kV                               | 8 kV                                             | 8 kV                                             |
| Rated Insulation Voltage (U <sub>i</sub> ):             | 1000 V                                           | 1000 V                             | 1150 V                                           | 1150 V                                           |

|                                                                    |                                                   |                                        |                                                   |                                                   |
|--------------------------------------------------------------------|---------------------------------------------------|----------------------------------------|---------------------------------------------------|---------------------------------------------------|
| Rated Operational Voltage:                                         | 1150 V AC                                         | 1150 V AC                              | 1150 V AC                                         | 1150 V AC                                         |
| Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> ):  | (1000 V AC) 10 kA<br>(1150 V AC) 6 kA             | (1000 V AC) 10 kA<br>(1150 V AC) 6 kA  | (1000 V AC) 10 kA<br>(1150 V AC) 6 kA             | (1000 V AC) 10 kA<br>(1150 V AC) 6 kA             |
| Rated Short-time Withstand Current Low Voltage (I <sub>cw</sub> ): | for 1 s 5 kA                                      | for 1 s 5 kA                           | for 1 s 5 kA                                      | for 1 s 5 kA                                      |
| Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> ): | (1000 V AC) 20 kA<br>(1150 V AC) 12 kA            | (1000 V AC) 20 kA<br>(1150 V AC) 12 kA | (1000 V AC) 20 kA<br>(1150 V AC) 12 kA            | (1000 V AC) 20 kA<br>(1150 V AC) 12 kA            |
| Rated Uninterrupted Current (I <sub>u</sub> ):                     | 400 A                                             | 400 A                                  | 400 A                                             | 400 A                                             |
| Release:                                                           | PR222DS/P-LSI                                     | PR222DS/P-LSI                          | PR222DS/P-LSI                                     | PR222DS/P-LSI                                     |
| Release Type:                                                      | EL                                                | EL                                     | EL                                                | EL                                                |
| Short-Circuit Performance Level:                                   | V                                                 | V                                      | V                                                 | V                                                 |
| Standards:                                                         | IEC                                               | IEC                                    | IEC                                               | IEC                                               |
| Sub-type:                                                          | T5                                                | T5                                     | T5                                                | T5                                                |
| Terminal Connection Type:                                          | Fixed Circuit-Breakers<br>Front for Copper Cables | Fixed Circuit-Breakers<br>Front        | Fixed Circuit-Breakers<br>Front for Copper Cables | Fixed Circuit-Breakers<br>Front for Copper Cables |
| Test Voltage Max (U <sub>test</sub> ):                             | N/A                                               | N/A                                    | N/A                                               | 3500 V                                            |



|  |                                   |                                   |                                             |                                              |
|--|-----------------------------------|-----------------------------------|---------------------------------------------|----------------------------------------------|
|  | T5V 400 TMA<br>320-3200 4p F<br>F | T5V 400 TMA<br>320-3200 3p F<br>F | T5V 400 TMA<br>320-3200 3p F<br>FC 1150V AC | T5V 400 TMA<br>320-3200 4p F F<br>InN=100%In |
|--|-----------------------------------|-----------------------------------|---------------------------------------------|----------------------------------------------|

Dimensions

|                             |          |          |          |          |
|-----------------------------|----------|----------|----------|----------|
| Product Net Depth / Length: | 103.5 mm | 103.5 mm | 103.5 mm | 103.5 mm |
| Product Net Height:         | 205 mm   | 205 mm   | 205 mm   | 205 mm   |
| Product Net Weight:         | 5.8 kg   | 4.8 kg   | 4.8 kg   | 5.8 kg   |
| Product Net Width:          | 186 mm   | 140 mm   | 140 mm   | 186 mm   |

Container Information

|                                 |         |         |         |         |
|---------------------------------|---------|---------|---------|---------|
| Package Level 1 Depth / Length: | 285 mm  | 285 mm  | 285 mm  | 285 mm  |
| Package Level 1 EAN:            |         |         |         |         |
| Package Level 1 Gross Weight:   | 5.8 kg  | 4.8 kg  | 4.8 kg  | 5.8 kg  |
| Package Level 1 Height:         | 240 mm  | 240 mm  | 240 mm  | 240 mm  |
| Package Level 1 Units:          | 1 piece | 1 piece | 1 piece | 1 piece |
| Package Level 1 Width:          | 248 mm  | 248 mm  | 248 mm  | 248 mm  |

Additional Information

|                    |                              |                              |                              |                              |
|--------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| Product Main Type: | SACE Tmax T                  | SACE Tmax T                  | SACE Tmax T                  | SACE Tmax T                  |
| Product Name:      | Moulded Case Circuit Breaker | Moulded Case Circuit Breaker | Moulded Case Circuit Breaker | Moulded Case Circuit Breaker |

|                             |                               |                               |                               |                               |
|-----------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Product Type:               | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     |
| Suitable For:               | T5                            | T5                            | T5                            | T5                            |
| Suitable for Product Class: | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers |
| Version:                    | F                             | F                             | F                             | F                             |

Technical

|                                                                    |                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                         |                                                |                                                                                                                                                                                                                                                                                         |
|--------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical Durability:                                             | 7000 cycle<br>60 cycles per hour                                                                                                                                                                                                                                                        | 7000 cycle<br>60 cycles per hour                                                                                                                                                                                                                                                        | 7000 cycle<br>60 cycles per hour               | 7000 cycle<br>60 cycles per hour                                                                                                                                                                                                                                                        |
| Mechanical Durability:                                             | 20000 cycle<br>120 cycles per hour                                                                                                                                                                                                                                                      | 20000 cycle<br>120 cycles per hour                                                                                                                                                                                                                                                      | 20000 cycle<br>120 cycles per hour             | 20000 cycle<br>120 cycles per hour                                                                                                                                                                                                                                                      |
| Number of Poles:                                                   | 4                                                                                                                                                                                                                                                                                       | 3                                                                                                                                                                                                                                                                                       | 3                                              | 4                                                                                                                                                                                                                                                                                       |
| Power Loss:                                                        | at Rated Operating Conditions per Pole 13.6 W                                                                                                                                                                                                                                           | at Rated Operating Conditions per Pole 13.6 W                                                                                                                                                                                                                                           | at Rated Operating Conditions per Pole 13.6 W  | at Rated Operating Conditions per Pole 13.6 W                                                                                                                                                                                                                                           |
| Rated Current (I <sub>n</sub> ):                                   | 320 A                                                                                                                                                                                                                                                                                   | 320 A                                                                                                                                                                                                                                                                                   | 320 A                                          | 320 A                                                                                                                                                                                                                                                                                   |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ):               | 8 kV                                                                                                                                                                                                                                                                                    | 8 kV                                                                                                                                                                                                                                                                                    | 8 kV                                           | 8 kV                                                                                                                                                                                                                                                                                    |
| Rated Insulation Voltage (U <sub>i</sub> ):                        | 1000 V                                                                                                                                                                                                                                                                                  | 1000 V                                                                                                                                                                                                                                                                                  | 1000 V                                         | 1000 V                                                                                                                                                                                                                                                                                  |
| Rated Operational Voltage:                                         | 690 V AC<br>750 V DC                                                                                                                                                                                                                                                                    | 690 V AC<br>750 V DC                                                                                                                                                                                                                                                                    | 1150 V AC<br>1000 V DC                         | 690 V AC<br>750 V DC                                                                                                                                                                                                                                                                    |
| Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> ):  | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA                                                                                                                     | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA                                                                                                                     | (1000 V AC) 10 kA<br>(1150 V AC) 6 kA          | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA                                                                                                                     |
| Rated Short-time Withstand Current Low Voltage (I <sub>cw</sub> ): | for 1 s 5 kA                                                                                                                                                                                                                                                                            | for 1 s 5 kA                                                                                                                                                                                                                                                                            | for 1 s 5 kA                                   | for 1 s 5 kA                                                                                                                                                                                                                                                                            |
| Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> ): | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA<br>(250 V DC) 2 Poles in Series 150 kA<br>(500 V DC) 2 Poles in Series 100 kA<br>(750 V DC) 3 Poles in Series 70 kA | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA<br>(250 V DC) 2 Poles in Series 150 kA<br>(500 V DC) 2 Poles in Series 100 kA<br>(750 V DC) 3 Poles in Series 70 kA | (1000 V AC) 20 kA<br>(1150 V AC) 12 kA         | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA<br>(250 V DC) 2 Poles in Series 150 kA<br>(500 V DC) 2 Poles in Series 100 kA<br>(750 V DC) 3 Poles in Series 70 kA |
| Rated Uninterrupted Current (I <sub>u</sub> ):                     | 400 A                                                                                                                                                                                                                                                                                   | 400 A                                                                                                                                                                                                                                                                                   | 400 A                                          | 400 A                                                                                                                                                                                                                                                                                   |
| Release:                                                           | TMA                                                                                                                                                                                                                                                                                     | TMA                                                                                                                                                                                                                                                                                     | TMA                                            | TMA                                                                                                                                                                                                                                                                                     |
| Release Type:                                                      | TM                                                                                                                                                                                                                                                                                      | TM                                                                                                                                                                                                                                                                                      | TM                                             | TM                                                                                                                                                                                                                                                                                      |
| Short-Circuit Performance Level:                                   | V                                                                                                                                                                                                                                                                                       | V                                                                                                                                                                                                                                                                                       | V                                              | V                                                                                                                                                                                                                                                                                       |
| Standards:                                                         | IEC                                                                                                                                                                                                                                                                                     | IEC                                                                                                                                                                                                                                                                                     | IEC                                            | IEC                                                                                                                                                                                                                                                                                     |
| Sub-type:                                                          | T5                                                                                                                                                                                                                                                                                      | T5                                                                                                                                                                                                                                                                                      | T5                                             | T5                                                                                                                                                                                                                                                                                      |
| Terminal Connection Type:                                          | Fixed Circuit-Breakers Front                                                                                                                                                                                                                                                            | Fixed Circuit-Breakers Front                                                                                                                                                                                                                                                            | Fixed Circuit-Breakers Front for Copper Cables | Fixed Circuit-Breakers Front                                                                                                                                                                                                                                                            |
| Test Voltage at Industrial Frequency for 1 Minute:                 | N/A                                                                                                                                                                                                                                                                                     | 3500 V                                                                                                                                                                                                                                                                                  | N/A                                            | N/A                                                                                                                                                                                                                                                                                     |
| Test Voltage Max (U <sub>test</sub> ):                             | 3500 V                                                                                                                                                                                                                                                                                  | 3500 V                                                                                                                                                                                                                                                                                  | N/A                                            | 3500 V                                                                                                                                                                                                                                                                                  |



**T5V 400 TMA  
320-3200 4p F  
F**

**T5V 400 TMA  
320-3200 3p F  
F**

**T5V 400 TMA  
320-3200 3p F  
FC 1150V AC**

**T5V 400 TMA  
320-3200 4p F F  
InN=100%In**

**Dimensions**

|                                    |          |          |          |          |
|------------------------------------|----------|----------|----------|----------|
| <b>Product Net Depth / Length:</b> | 103.5 mm | 103.5 mm | 103.5 mm | 103.5 mm |
| <b>Product Net Height:</b>         | 205 mm   | 205 mm   | 205 mm   | 205 mm   |
| <b>Product Net Weight:</b>         | 5.8 kg   | 4.8 kg   | 4.8 kg   | 5.8 kg   |
| <b>Product Net Width:</b>          | 186 mm   | 140 mm   | 140 mm   | 186 mm   |

**Container Information**

|                                        |         |         |         |         |
|----------------------------------------|---------|---------|---------|---------|
| <b>Package Level 1 Depth / Length:</b> | 285 mm  | 285 mm  | 285 mm  | 285 mm  |
| <b>Package Level 1 EAN:</b>            |         |         |         |         |
| <b>Package Level 1 Gross Weight:</b>   | 5.8 kg  | 4.8 kg  | 4.8 kg  | 5.8 kg  |
| <b>Package Level 1 Height:</b>         | 240 mm  | 240 mm  | 240 mm  | 240 mm  |
| <b>Package Level 1 Units:</b>          | 1 piece | 1 piece | 1 piece | 1 piece |
| <b>Package Level 1 Width:</b>          | 248 mm  | 248 mm  | 248 mm  | 248 mm  |

**Additional Information**

|                                    |                               |                               |                               |                               |
|------------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| <b>Product Main Type:</b>          | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   |
| <b>Product Name:</b>               | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  |
| <b>Product Type:</b>               | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     |
| <b>Suitable For:</b>               | T5                            | T5                            | T5                            | T5                            |
| <b>Suitable for Product Class:</b> | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers |
| <b>Version:</b>                    | F                             | F                             | F                             | F                             |

**Technical**

|                                                           |                                               |                                               |                                               |                                               |
|-----------------------------------------------------------|-----------------------------------------------|-----------------------------------------------|-----------------------------------------------|-----------------------------------------------|
| <b>Electrical Durability:</b>                             | 7000 cycle<br>60 cycles per hour              | 7000 cycle<br>60 cycles per hour              | 7000 cycle<br>60 cycles per hour              | 7000 cycle<br>60 cycles per hour              |
| <b>Mechanical Durability:</b>                             | 20000 cycle<br>120 cycles per hour            | 20000 cycle<br>120 cycles per hour            | 20000 cycle<br>120 cycles per hour            | 20000 cycle<br>120 cycles per hour            |
| <b>Number of Poles:</b>                                   | 4                                             | 3                                             | 3                                             | 4                                             |
| <b>Power Loss:</b>                                        | at Rated Operating Conditions per Pole 13.6 W | at Rated Operating Conditions per Pole 13.6 W | at Rated Operating Conditions per Pole 13.6 W | at Rated Operating Conditions per Pole 13.6 W |
| <b>Rated Current (I<sub>n</sub>):</b>                     | 320 A                                         | 320 A                                         | 320 A                                         | 320 A                                         |
| <b>Rated Impulse Withstand Voltage (U<sub>imp</sub>):</b> | 8 kV                                          | 8 kV                                          | 8 kV                                          | 8 kV                                          |
| <b>Rated Insulation Voltage (U<sub>i</sub>):</b>          | 1000 V                                        | 1000 V                                        | 1000 V                                        | 1000 V                                        |
| <b>Rated Operational Voltage:</b>                         | 690 V AC<br>750 V DC                          | 690 V AC<br>750 V DC                          | 1150 V AC<br>1000 V DC                        | 690 V AC<br>750 V DC                          |



|                    |        |        |
|--------------------|--------|--------|
| Product Net Width: | 140 mm | 140 mm |
|--------------------|--------|--------|

### Container Information

|                      |
|----------------------|
| Package Level 1 EAN: |
|----------------------|

### Additional Information

|                             |                               |                               |
|-----------------------------|-------------------------------|-------------------------------|
| Product Main Type:          | SACE Tmax T                   | SACE Tmax T                   |
| Product Name:               | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  |
| Product Type:               | Automatic Circuit Breaker     | Automatic Circuit Breaker     |
| Suitable For:               | T5                            | T5                            |
| Suitable for Product Class: | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers |
| Version:                    | F                             | F                             |

### Technical

|                                                      |                                              |                                               |
|------------------------------------------------------|----------------------------------------------|-----------------------------------------------|
| Mechanical Durability:                               | 20000 cycle<br>120 cycles per hour           | 20000 cycle<br>120 cycles per hour            |
| Number of Poles:                                     | 3                                            | 3                                             |
| Power Loss:                                          | at Rated Operating Conditions per Pole 9.3 W | at Rated Operating Conditions per Pole 16.5 W |
| Rated Current (I <sub>n</sub> ):                     | 300 A                                        | 400 A                                         |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ): | 8 kV                                         | 8 kV                                          |
| Rated Insulation Voltage (U <sub>i</sub> ):          | 1000 V                                       | 1000 V                                        |
| Rated Operational Voltage:                           | 600 V AC                                     | 600 V AC                                      |
| Rated Uninterrupted Current (I <sub>u</sub> ):       | 400 A                                        | 400 A                                         |
| Release:                                             | PR221DS-LS/I                                 | PR221DS-LS/I                                  |
| Release Type:                                        | EL                                           | EL                                            |
| Short-Circuit Performance Level:                     | V                                            | V                                             |
| Standards:                                           | UL                                           | UL                                            |
| Sub-type:                                            | T5                                           | T5                                            |
| Terminal Connection Type:                            | Fixed Circuit-Breakers<br>Front              | Fixed Circuit-Breakers<br>Front               |
| Test Voltage Max (U <sub>test</sub> ):               | 3500 V                                       | 3500 V                                        |

### Technical UL/CSA

|                                    |                                                             |                                                             |
|------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|
| Interrupting Rating acc. to UL489: | (240 V AC) 200 kA<br>(480 V AC) 150 kA<br>(600 V AC) 100 kA | (240 V AC) 200 kA<br>(480 V AC) 150 kA<br>(600 V AC) 100 kA |
|------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|



T5V 400 UL/  
CSA4  
PR222DS/P-  
LSIG 300 3p4F  
F



T5V 400 UL/  
CSA4PR222DS/  
P-LSI 300 3p F4  
F



T5V 400 UL/  
CSA4  
PR222DS/P-  
LSIG 400 3p4F  
F



T5V 400 UL/  
CSA4PR222DS/  
P-LSI 400 3p F4  
F

Dimensions

|                             |          |          |          |          |
|-----------------------------|----------|----------|----------|----------|
| Product Net Depth / Length: | 103.5 mm | 103.5 mm | 103.5 mm | 103.5 mm |
| Product Net Height:         | 205 mm   | 205 mm   | 205 mm   | 205 mm   |
| Product Net Weight:         | 5.1 kg   | 5.1 kg   | 5.1 kg   | 5.1 kg   |
| Product Net Width:          | 140 mm   | 140 mm   | 140 mm   | 140 mm   |

Additional Information

|                             |                               |                               |                               |                               |
|-----------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Product Main Type:          | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   |
| Product Name:               | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  |
| Product Type:               | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     |
| Suitable For:               | T5                            | T5                            | T5                            | T5                            |
| Suitable for Product Class: | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers |
| Version:                    | F                             | F                             | F                             | F                             |

Technical

|                                                      |                                                 |                                                 |                                                  |                                                  |
|------------------------------------------------------|-------------------------------------------------|-------------------------------------------------|--------------------------------------------------|--------------------------------------------------|
| Mechanical Durability:                               | 20000 cycle<br>120 cycles per hour              | 20000 cycle<br>120 cycles per hour              | 20000 cycle<br>120 cycles per hour               | 20000 cycle<br>120 cycles per hour               |
| Number of Poles:                                     | 3                                               | 3                                               | 3                                                | 3                                                |
| Power Loss:                                          | at Rated Operating<br>Conditions per Pole 9.3 W | at Rated Operating<br>Conditions per Pole 9.3 W | at Rated Operating<br>Conditions per Pole 16.5 W | at Rated Operating<br>Conditions per Pole 16.5 W |
| Rated Current (I <sub>n</sub> ):                     | 300 A                                           | 300 A                                           | 400 A                                            | 400 A                                            |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ): | 8 kV                                            | 8 kV                                            | 8 kV                                             | 8 kV                                             |
| Rated Insulation Voltage (U <sub>i</sub> ):          | 1000 V                                          | 1000 V                                          | 1000 V                                           | 1000 V                                           |
| Rated Operational Voltage:                           | 600 V AC                                        | 600 V AC                                        | 600 V AC                                         | 600 V AC                                         |
| Rated Uninterrupted Current (I <sub>u</sub> ):       | 400 A                                           | 400 A                                           | 400 A                                            | 400 A                                            |
| Release:                                             | PR222DS/P-LSIG                                  | PR222DS/P-LSI                                   | PR222DS/P-LSIG                                   | PR222DS/P-LSI                                    |
| Release Type:                                        | EL                                              | EL                                              | EL                                               | EL                                               |
| Short-Circuit Performance Level:                     | V                                               | V                                               | V                                                | V                                                |
| Standards:                                           | UL                                              | UL                                              | UL                                               | UL                                               |
| Sub-type:                                            | T5                                              | T5                                              | T5                                               | T5                                               |
| Terminal Connection Type:                            | Fixed Circuit-Breakers<br>Front                 | Fixed Circuit-Breakers<br>Front                 | Fixed Circuit-Breakers<br>Front                  | Fixed Circuit-Breakers<br>Front                  |
| Test Voltage Max (U <sub>test</sub> ):               | 3500 V                                          | 3500 V                                          | 3500 V                                           | 3500 V                                           |

Technical UL/CSA

|                                    |                   |                   |                   |                   |
|------------------------------------|-------------------|-------------------|-------------------|-------------------|
| Interrupting Rating acc. to UL489: | (240 V AC) 200 kA | (240 V AC) 200 kA | (240 V AC) 200 kA | (240 V AC) 200 kA |
|                                    | (480 V AC) 150 kA | (480 V AC) 150 kA | (480 V AC) 150 kA | (480 V AC) 150 kA |
|                                    | (600 V AC) 100 kA | (600 V AC) 100 kA | (600 V AC) 100 kA | (600 V AC) 100 kA |



T5V400 UL/CSA  
TMA  
300-1500..3000 3p  
F F



T5V400 UL/CSA  
TMA  
400-2000..4000 3p  
F F

Dimensions

|                             |          |          |
|-----------------------------|----------|----------|
| Product Net Depth / Length: | 103.5 mm | 103.5 mm |
| Product Net Height:         | 205 mm   | 205 mm   |
| Product Net Weight:         | 4.8 kg   | 4.8 kg   |
| Product Net Width:          | 140 mm   | 140 mm   |

Additional Information

|                             |                               |                               |
|-----------------------------|-------------------------------|-------------------------------|
| Product Main Type:          | SACE Tmax T                   | SACE Tmax T                   |
| Product Name:               | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  |
| Product Type:               | Automatic Circuit Breaker     | Automatic Circuit Breaker     |
| Suitable For:               | T5                            | T5                            |
| Suitable for Product Class: | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers |
| Version:                    | F                             | F                             |

Technical

|                                                      |                                               |                                               |
|------------------------------------------------------|-----------------------------------------------|-----------------------------------------------|
| Mechanical Durability:                               | 20000 cycle<br>120 cycles per hour            | 20000 cycle<br>120 cycles per hour            |
| Number of Poles:                                     | 3                                             | 3                                             |
| Power Loss:                                          | at Rated Operating Conditions per Pole 12.3 W | at Rated Operating Conditions per Pole 19.5 W |
| Rated Current (I <sub>n</sub> ):                     | 300 A                                         | 400 A                                         |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ): | 8 kV                                          | 8 kV                                          |

|                                                                         |                                                                                                                                          |                                                                                                                                          |
|-------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Rated Insulation Voltage (U<sub>i</sub>):</b>                        | 1000 V                                                                                                                                   | 1000 V                                                                                                                                   |
| <b>Rated Operational Voltage:</b>                                       | 600 V AC<br>600 V DC                                                                                                                     | 600 V AC<br>600 V DC                                                                                                                     |
| <b>Rated Ultimate Short-Circuit Breaking Capacity (I<sub>cu</sub>):</b> | (240 V AC) 200 kA<br>(480 V AC) 150 kA<br>(600 V AC) 100 kA<br>(500 V DC) 2 Poles in Series 100 kA<br>(600 V DC) 3 Poles in Series 65 kA | (240 V AC) 200 kA<br>(480 V AC) 150 kA<br>(600 V AC) 100 kA<br>(500 V DC) 2 Poles in Series 100 kA<br>(600 V DC) 3 Poles in Series 65 kA |
| <b>Rated Uninterrupted Current (I<sub>u</sub>):</b>                     | 400 A                                                                                                                                    | 400 A                                                                                                                                    |
| <b>Release:</b>                                                         | TMA                                                                                                                                      | TMA                                                                                                                                      |
| <b>Release Type:</b>                                                    | TM                                                                                                                                       | TM                                                                                                                                       |
| <b>Short-Circuit Performance Level:</b>                                 | V                                                                                                                                        | V                                                                                                                                        |
| <b>Standards:</b>                                                       | UL                                                                                                                                       | UL                                                                                                                                       |
| <b>Sub-type:</b>                                                        | T5                                                                                                                                       | T5                                                                                                                                       |
| <b>Terminal Connection Type:</b>                                        | Fixed Circuit-Breakers<br>Front                                                                                                          | Fixed Circuit-Breakers<br>Front                                                                                                          |
| <b>Test Voltage Max (U<sub>test</sub>):</b>                             | 3500 V                                                                                                                                   | 3500 V                                                                                                                                   |

### Technical UL/CSA

|                                           |                                                                                                                                          |                                                                                                                                          |
|-------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Interrupting Rating acc. to UL489:</b> | (240 V AC) 200 kA<br>(480 V AC) 150 kA<br>(600 V AC) 100 kA<br>(500 V DC) 2 Poles in Series 100 kA<br>(600 V DC) 3 Poles in Series 65 kA | (240 V AC) 200 kA<br>(480 V AC) 150 kA<br>(600 V AC) 100 kA<br>(500 V DC) 2 Poles in Series 100 kA<br>(600 V DC) 3 Poles in Series 65 kA |
|-------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|



T5V 600 UL/CSA  
PR221DS-LS/I 600  
3p F F



T5V 600 UL/CSA  
PR222DS/P-LSIG  
600 3p F F



T5V 600 UL/CSA  
PR222DS/P-LSI 600  
3p F F

### Dimensions

|                                    |          |          |          |
|------------------------------------|----------|----------|----------|
| <b>Product Net Depth / Length:</b> | 103.5 mm | 103.5 mm | 103.5 mm |
| <b>Product Net Height:</b>         | 205 mm   | 205 mm   | 205 mm   |

|                     |        |        |        |
|---------------------|--------|--------|--------|
| Product Net Weight: | 5.1 kg | 5.1 kg | 5.1 kg |
| Product Net Width:  | 140 mm | 140 mm | 140 mm |

Additional Information

|                             |                               |                               |                               |
|-----------------------------|-------------------------------|-------------------------------|-------------------------------|
| Product Main Type:          | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   |
| Product Name:               | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  |
| Product Type:               | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     |
| Suitable For:               | T5                            | T5                            | T5                            |
| Suitable for Product Class: | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers |
| Version:                    | F                             | F                             | F                             |

Technical

|                                                      |                                               |                                               |                                               |
|------------------------------------------------------|-----------------------------------------------|-----------------------------------------------|-----------------------------------------------|
| Mechanical Durability:                               | 20000 cycle<br>120 cycles per hour            | 20000 cycle<br>120 cycles per hour            | 20000 cycle<br>120 cycles per hour            |
| Number of Poles:                                     | 3                                             | 3                                             | 3                                             |
| Power Loss:                                          | at Rated Operating Conditions per Pole 37.1 W | at Rated Operating Conditions per Pole 37.1 W | at Rated Operating Conditions per Pole 37.1 W |
| Rated Current (I <sub>n</sub> ):                     | 600 A                                         | 600 A                                         | 600 A                                         |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ): | 8 kV                                          | 8 kV                                          | 8 kV                                          |
| Rated Insulation Voltage (U <sub>i</sub> ):          | 1000 V                                        | 1000 V                                        | 1000 V                                        |
| Rated Operational Voltage:                           | 600 V AC                                      | 600 V AC                                      | 600 V AC                                      |
| Rated Uninterrupted Current (I <sub>u</sub> ):       | 600 A                                         | 600 A                                         | 600 A                                         |
| Release:                                             | PR221DS-LS/I                                  | PR222DS/P-LSIG                                | PR222DS/P-LSI                                 |
| Release Type:                                        | EL                                            | EL                                            | EL                                            |
| Short-Circuit Performance Level:                     | V                                             | V                                             | V                                             |
| Standards:                                           | UL                                            | UL                                            | UL                                            |
| Sub-type:                                            | T5                                            | T5                                            | T5                                            |
| Terminal Connection Type:                            | Fixed Circuit-Breakers Front                  | Fixed Circuit-Breakers Front                  | Fixed Circuit-Breakers Front                  |
| Test Voltage Max (U <sub>test</sub> ):               | 3500 V                                        | 3500 V                                        | 3500 V                                        |

Technical UL/CSA

|                                    |                                                             |                                                             |                                                             |
|------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|
| Interrupting Rating acc. to UL489: | (240 V AC) 200 kA<br>(480 V AC) 150 kA<br>(600 V AC) 100 kA | (240 V AC) 200 kA<br>(480 V AC) 150 kA<br>(600 V AC) 100 kA | (240 V AC) 200 kA<br>(480 V AC) 150 kA<br>(600 V AC) 100 kA |
|------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|

|  |                                       |                                       |
|--|---------------------------------------|---------------------------------------|
|  | T5V 630 Ekip E-LSIG<br>In=630A 4p F F | T5V 630 Ekip E-LSIG<br>In=630A 3p F F |
|--|---------------------------------------|---------------------------------------|

Dimensions

|                             |          |          |
|-----------------------------|----------|----------|
| Product Net Depth / Length: | 103.5 mm | 103.5 mm |
| Product Net Height:         | 205 mm   | 205 mm   |
| Product Net Weight:         | 6.2 kg   | 5.1 kg   |
| Product Net Width:          | 186 mm   | 140 mm   |

Additional Information

|                             |                               |                               |
|-----------------------------|-------------------------------|-------------------------------|
| Product Main Type:          | SACE Tmax T                   | SACE Tmax T                   |
| Product Name:               | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  |
| Product Type:               | Automatic Circuit Breaker     | Automatic Circuit Breaker     |
| Suitable For:               | T5                            | T5                            |
| Suitable for Product Class: | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers |
| Version:                    | F                             | F                             |

Technical

|                                                                   |                                                                                                                                                                     |                                                                                                                                                                     |
|-------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical Durability:                                            | 5000 cycle<br>60 cycles per hour                                                                                                                                    | 5000 cycle<br>60 cycles per hour                                                                                                                                    |
| Mechanical Durability:                                            | 20000 cycle<br>120 cycles per hour                                                                                                                                  | 20000 cycle<br>120 cycles per hour                                                                                                                                  |
| Number of Poles:                                                  | 4                                                                                                                                                                   | 3                                                                                                                                                                   |
| Rated Current (I <sub>n</sub> ):                                  | 630 A                                                                                                                                                               | 630 A                                                                                                                                                               |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ):              | 8 kV                                                                                                                                                                | 8 kV                                                                                                                                                                |
| Rated Insulation Voltage (U <sub>i</sub> ):                       | 1000 V                                                                                                                                                              | 1000 V                                                                                                                                                              |
| Rated Operational Voltage:                                        | 690 V AC                                                                                                                                                            | 690 V AC                                                                                                                                                            |
| Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> ): | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA |

|                                                                              |                                                                                                                                                                     |                                                                                                                                                                     |
|------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Rated Ultimate Short-Circuit Breaking Capacity (<math>I_{cu}</math>):</b> | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA |
| <b>Rated Uninterrupted Current (<math>I_u</math>):</b>                       | 630 A                                                                                                                                                               | 630 A                                                                                                                                                               |
| <b>Release:</b>                                                              | Ekip E-LSIG                                                                                                                                                         | Ekip E-LSIG                                                                                                                                                         |
| <b>Release Type:</b>                                                         | EL                                                                                                                                                                  | EL                                                                                                                                                                  |
| <b>Short-Circuit Performance Level:</b>                                      | V                                                                                                                                                                   | V                                                                                                                                                                   |
| <b>Standards:</b>                                                            | IEC                                                                                                                                                                 | IEC                                                                                                                                                                 |
| <b>Sub-type:</b>                                                             | T5                                                                                                                                                                  | T5                                                                                                                                                                  |
| <b>Terminal Connection Type:</b>                                             | Fixed Circuit-Breakers<br>Front                                                                                                                                     | Fixed Circuit-Breakers<br>Front                                                                                                                                     |



**T5V 630  
PR221DS-I  
In=630 3p  
F F**



**T5V 630  
PR221DS-I  
In=630 4p  
F F**



**T5V 630  
PR221DS-I  
In=630 4p F  
FC 1150VAC**



**T5V 630  
PR221DS-I  
In=630 3p F FC  
1150VAC**

### Dimensions

|                                    |          |          |          |          |
|------------------------------------|----------|----------|----------|----------|
| <b>Product Net Depth / Length:</b> | 103.5 mm | 103.5 mm | 103.5 mm | 103.5 mm |
| <b>Product Net Height:</b>         | 205 mm   | 205 mm   | 205 mm   | 205 mm   |
| <b>Product Net Weight:</b>         | 5.1 kg   | 6.2 kg   | 6.2 kg   | 5.1 kg   |
| <b>Product Net Width:</b>          | 140 mm   | 186 mm   | 184 mm   | 140 mm   |

### Container Information

|                                        |        |        |        |        |
|----------------------------------------|--------|--------|--------|--------|
| <b>Package Level 1 Depth / Length:</b> | 285 mm | 285 mm | 285 mm | 285 mm |
| <b>Package Level 1 EAN:</b>            |        |        |        |        |
| <b>Package Level 1 Gross Weight:</b>   | 5.1 kg | 6.2 kg | 6.2 kg | 5.1 kg |
| <b>Package Level 1 Height:</b>         | 240 mm | 240 mm | 240 mm | 240 mm |

|                        |         |         |         |         |
|------------------------|---------|---------|---------|---------|
| Package Level 1 Units: | 1 piece | 1 piece | 1 piece | 1 piece |
| Package Level 1 Width: | 248 mm  | 248 mm  | 248 mm  | 248 mm  |

Additional Information

|                             |                               |                               |                               |                               |
|-----------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Product Main Type:          | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   |
| Product Name:               | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  |
| Product Type:               | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     |
| Suitable For:               | T5                            | T5                            | T5                            | T5                            |
| Suitable for Product Class: | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers |
| Version:                    | F                             | F                             | F                             | F                             |

Technical

|                                                                    |                                                                                                                                                                     |                                                                                                                                                                     |                                                |                                                |
|--------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|------------------------------------------------|
| Electrical Durability:                                             | 5000 cycle<br>60 cycles per hour                                                                                                                                    | 5000 cycle<br>60 cycles per hour                                                                                                                                    | 5000 cycle<br>60 cycles per hour               | 5000 cycle<br>60 cycles per hour               |
| Mechanical Durability:                                             | 20000 cycle<br>120 cycles per hour                                                                                                                                  | 20000 cycle<br>120 cycles per hour                                                                                                                                  | 20000 cycle<br>120 cycles per hour             | 20000 cycle<br>120 cycles per hour             |
| Number of Poles:                                                   | 3                                                                                                                                                                   | 4                                                                                                                                                                   | 4                                              | 3                                              |
| Power Loss:                                                        | at Rated Operating Conditions per Pole 41 W                                                                                                                         | at Rated Operating Conditions per Pole 41 W                                                                                                                         | at Rated Operating Conditions per Pole 41 W    | at Rated Operating Conditions per Pole 41 W    |
| Rated Current (I <sub>n</sub> ):                                   | 630 A                                                                                                                                                               | 630 A                                                                                                                                                               | 630 A                                          | 630 A                                          |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ):               | 8 kV                                                                                                                                                                | 8 kV                                                                                                                                                                | 8 kV                                           | 8 kV                                           |
| Rated Insulation Voltage (U <sub>i</sub> ):                        | 1000 V                                                                                                                                                              | 1000 V                                                                                                                                                              | 1150 V                                         | 1000 V                                         |
| Rated Operational Voltage:                                         | 690 V AC                                                                                                                                                            | 690 V AC                                                                                                                                                            | 1150 V AC                                      | 1150 V AC                                      |
| Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> ):  | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 75 kA<br>(690 V AC) 40 kA  | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 75 kA<br>(690 V AC) 40 kA  | (1000 V AC) 10 kA<br>(1150 V AC) 6 kA          | (1000 V AC) 10 kA<br>(1150 V AC) 6 kA          |
| Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> ): | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (1000 V AC) 20 kA<br>(1150 V AC) 12 kA         | (1000 V AC) 20 kA<br>(1150 V AC) 12 kA         |
| Rated Uninterrupted Current (I <sub>u</sub> ):                     | 630 A                                                                                                                                                               | 630 A                                                                                                                                                               | 630 A                                          | 630 A                                          |
| Release:                                                           | PR221DS-I                                                                                                                                                           | PR221DS-I                                                                                                                                                           | PR221DS-I                                      | PR221DS-I                                      |
| Release Type:                                                      | EL                                                                                                                                                                  | EL                                                                                                                                                                  | EL                                             | EL                                             |
| Short-Circuit Performance Level:                                   | V                                                                                                                                                                   | V                                                                                                                                                                   | V                                              | V                                              |
| Standards:                                                         | IEC                                                                                                                                                                 | IEC                                                                                                                                                                 | IEC                                            | IEC                                            |
| Sub-type:                                                          | T5                                                                                                                                                                  | T5                                                                                                                                                                  | T5                                             | T5                                             |
| Terminal Connection Type:                                          | Fixed Circuit-Breakers Front                                                                                                                                        | Fixed Circuit-Breakers Front                                                                                                                                        | Fixed Circuit-Breakers Front for Copper Cables | Fixed Circuit-Breakers Front for Copper Cables |
| Test Voltage at Industrial Frequency for 1 Minute:                 | 3500 V                                                                                                                                                              | 3500 V                                                                                                                                                              | N/A                                            | N/A                                            |
| Test Voltage Max (U <sub>test</sub> ):                             | 3500 V                                                                                                                                                              | 3500 V                                                                                                                                                              | N/A                                            | 3500 V                                         |



**T5V 630**  
**PR221DS-LS/I**  
**In=630 4p F F**



**T5V 630**  
**PR221DS-LS/I**  
**In=630 3p F F**



**T5V630**  
**PR221DS-LS/**  
**I In630 3p**  
**FFC 1150VAC**



**T5V630**  
**PR221DS-LS/**  
**I In630 4p**  
**FFC 1150VAC**

## Dimensions

|                                    |          |          |          |          |
|------------------------------------|----------|----------|----------|----------|
| <b>Product Net Depth / Length:</b> | 103.5 mm | 103.5 mm | 103.5 mm | 103.5 mm |
| <b>Product Net Height:</b>         | 205 mm   | 205 mm   | 205 mm   | 205 mm   |
| <b>Product Net Weight:</b>         | 6.2 kg   | 4.843 kg | 5.1 kg   | 6.2 kg   |
| <b>Product Net Width:</b>          | 186 mm   | 140 mm   | 140 mm   | 184 mm   |

## Container Information

|                                        |         |         |         |         |
|----------------------------------------|---------|---------|---------|---------|
| <b>Package Level 1 Depth / Length:</b> | 285 mm  | 285 mm  | 285 mm  | 285 mm  |
| <b>Package Level 1 EAN:</b>            |         |         |         |         |
| <b>Package Level 1 Gross Weight:</b>   | 6.2 kg  | 5.1 kg  | 5.1 kg  | 6.2 kg  |
| <b>Package Level 1 Height:</b>         | 240 mm  | 240 mm  | 240 mm  | 240 mm  |
| <b>Package Level 1 Units:</b>          | 1 piece | 1 piece | 1 piece | 1 piece |
| <b>Package Level 1 Width:</b>          | 248 mm  | 248 mm  | 248 mm  | 248 mm  |

## Additional Information

|                                    |                               |                               |                               |                               |
|------------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| <b>Product Main Type:</b>          | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   |
| <b>Product Name:</b>               | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  |
| <b>Product Type:</b>               | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     |
| <b>Suitable For:</b>               | T5                            | T5                            | T5                            | T5                            |
| <b>Suitable for Product Class:</b> | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers |
| <b>Version:</b>                    | F                             | F                             | F                             | F                             |

## Technical

|                                                           |                                                |                                                |                                                |                                                |
|-----------------------------------------------------------|------------------------------------------------|------------------------------------------------|------------------------------------------------|------------------------------------------------|
| <b>Electrical Durability:</b>                             | 5000 cycle<br>60 cycles per hour               | 5000 cycle<br>60 cycles per hour               | 5000 cycle<br>60 cycles per hour               | 5000 cycle<br>60 cycles per hour               |
| <b>Mechanical Durability:</b>                             | 20000 cycle<br>120 cycles per hour             | 20000 cycle<br>120 cycles per hour             | 20000 cycle<br>120 cycles per hour             | 20000 cycle<br>120 cycles per hour             |
| <b>Number of Poles:</b>                                   | 4                                              | 3                                              | 3                                              | 4                                              |
| <b>Power Loss:</b>                                        | at Rated Operating<br>Conditions per Pole 41 W | at Rated Operating<br>Conditions per Pole 41 W | at Rated Operating<br>Conditions per Pole 41 W | at Rated Operating<br>Conditions per Pole 41 W |
| <b>Rated Current (I<sub>n</sub>):</b>                     | 630 A                                          | 630 A                                          | 630 A                                          | 630 A                                          |
| <b>Rated Impulse Withstand Voltage (U<sub>imp</sub>):</b> | 8 kV                                           | 8 kV                                           | 8 kV                                           | 8 kV                                           |
| <b>Rated Insulation Voltage (U<sub>i</sub>):</b>          | 1000 V                                         | 1000 V                                         | 1150 V                                         | 1150 V                                         |
| <b>Rated Operational Voltage:</b>                         | 690 V AC                                       | 690 V AC                                       | 1150 V AC                                      | 1150 V AC                                      |

|                                                                              |                                                                                                                                                                     |                                                                                                                                                                     |                                                   |                                                   |
|------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------------|
| <b>Rated Service Short-Circuit Breaking Capacity (<math>I_{cs}</math>):</b>  | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 75 kA<br>(690 V AC) 40 kA  | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 75 kA<br>(690 V AC) 40 kA  | (1000 V AC) 10 kA<br>(1150 V AC) 6 kA             | (1000 V AC) 10 kA<br>(1150 V AC) 6 kA             |
| <b>Rated Ultimate Short-Circuit Breaking Capacity (<math>I_{cu}</math>):</b> | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (1000 V AC) 20 kA<br>(1150 V AC) 12 kA            | (1000 V AC) 20 kA<br>(1150 V AC) 12 kA            |
| <b>Rated Uninterrupted Current (<math>I_u</math>):</b>                       | 630 A                                                                                                                                                               | 630 A                                                                                                                                                               | 630 A                                             | 630 A                                             |
| <b>Release:</b>                                                              | PR221DS-LS/I                                                                                                                                                        | PR221DS-LS/I                                                                                                                                                        | PR221DS-LS/I                                      | PR221DS-LS/I                                      |
| <b>Release Type:</b>                                                         | EL                                                                                                                                                                  | EL                                                                                                                                                                  | EL                                                | EL                                                |
| <b>Short-Circuit Performance Level:</b>                                      | V                                                                                                                                                                   | V                                                                                                                                                                   | V                                                 | V                                                 |
| <b>Standards:</b>                                                            | IEC                                                                                                                                                                 | IEC                                                                                                                                                                 | IEC                                               | IEC                                               |
| <b>Sub-type:</b>                                                             | T5                                                                                                                                                                  | T5                                                                                                                                                                  | T5                                                | T5                                                |
| <b>Terminal Connection Type:</b>                                             | Fixed Circuit-Breakers<br>Front                                                                                                                                     | Fixed Circuit-Breakers<br>Front                                                                                                                                     | Fixed Circuit-Breakers<br>Front for Copper Cables | Fixed Circuit-Breakers<br>Front for Copper Cables |
| <b>Test Voltage at Industrial Frequency for 1 Minute:</b>                    | 3500 V                                                                                                                                                              | 3500 V                                                                                                                                                              | N/A                                               | N/A                                               |
| <b>Test Voltage Max (<math>U_{test}</math>):</b>                             | 3500 V                                                                                                                                                              | 3500 V                                                                                                                                                              | 3500 V                                            | N/A                                               |



T5V630  
PR222DS/P-  
LSIG In630  
3pFFC1150VAC



T5V 630  
PR222DS/P-  
LSIG In=630 4p  
F F



T5V 630  
PR222DS/P-  
LSIG In=630 3p  
F F



T5V630  
PR222DS/P-  
LSIG In630  
4pFFC1150VAC

Dimensions

|                                    |          |          |          |          |
|------------------------------------|----------|----------|----------|----------|
| <b>Product Net Depth / Length:</b> | 103.5 mm | 103.5 mm | 103.5 mm | 103.5 mm |
| <b>Product Net Height:</b>         | 205 mm   | 205 mm   | 205 mm   | 205 mm   |
| <b>Product Net Weight:</b>         | 5.1 kg   | 6.2 kg   | 5.1 kg   | 6.2 kg   |
| <b>Product Net Width:</b>          | 140 mm   | 186 mm   | 140 mm   | 184 mm   |

Container Information

|                                        |        |        |        |        |
|----------------------------------------|--------|--------|--------|--------|
| <b>Package Level 1 Depth / Length:</b> | 285 mm | 285 mm | 285 mm | 285 mm |
| <b>Package Level 1 EAN:</b>            |        |        |        |        |
| <b>Package Level 1 Gross Weight:</b>   | 5.1 kg | 6.2 kg | 5.1 kg | 6.2 kg |
| <b>Package Level 1 Height:</b>         | 240 mm | 240 mm | 240 mm | 240 mm |

|                        |         |         |         |         |
|------------------------|---------|---------|---------|---------|
| Package Level 1 Units: | 1 piece | 1 piece | 1 piece | 1 piece |
| Package Level 1 Width: | 248 mm  | 248 mm  | 248 mm  | 248 mm  |

Additional Information

|                             |                               |                               |                               |                               |
|-----------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Product Main Type:          | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   |
| Product Name:               | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  |
| Product Type:               | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     |
| Suitable For:               | T5                            | T5                            | T5                            | T5                            |
| Suitable for Product Class: | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers |
| Version:                    | F                             | F                             | F                             | F                             |

Technical

|                                                                    |                                                |                                                                                                                                                                     |                                                                                                                                                                     |                                                |
|--------------------------------------------------------------------|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| Electrical Durability:                                             | 5000 cycle<br>60 cycles per hour               | 5000 cycle<br>60 cycles per hour                                                                                                                                    | 5000 cycle<br>60 cycles per hour                                                                                                                                    | 5000 cycle<br>60 cycles per hour               |
| Mechanical Durability:                                             | 20000 cycle<br>120 cycles per hour             | 20000 cycle<br>120 cycles per hour                                                                                                                                  | 20000 cycle<br>120 cycles per hour                                                                                                                                  | 20000 cycle<br>120 cycles per hour             |
| Number of Poles:                                                   | 3                                              | 4                                                                                                                                                                   | 3                                                                                                                                                                   | 4                                              |
| Power Loss:                                                        | at Rated Operating Conditions per Pole 41 W    | at Rated Operating Conditions per Pole 41 W                                                                                                                         | at Rated Operating Conditions per Pole 41 W                                                                                                                         | at Rated Operating Conditions per Pole 41 W    |
| Rated Current (I <sub>n</sub> ):                                   | 630 A                                          | 630 A                                                                                                                                                               | 630 A                                                                                                                                                               | 630 A                                          |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ):               | 8 kV                                           | 8 kV                                                                                                                                                                | 8 kV                                                                                                                                                                | 8 kV                                           |
| Rated Insulation Voltage (U <sub>i</sub> ):                        | 1150 V                                         | 1000 V                                                                                                                                                              | 1000 V                                                                                                                                                              | 1150 V                                         |
| Rated Operational Voltage:                                         | 1150 V AC                                      | 690 V AC                                                                                                                                                            | 690 V AC                                                                                                                                                            | 1150 V AC                                      |
| Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> ):  | (1000 V AC) 10 kA<br>(1150 V AC) 6 kA          | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 75 kA<br>(690 V AC) 40 kA  | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 75 kA<br>(690 V AC) 40 kA  | (1000 V AC) 10 kA<br>(1150 V AC) 6 kA          |
| Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> ): | (1000 V AC) 20 kA<br>(1150 V AC) 12 kA         | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (1000 V AC) 20 kA<br>(1150 V AC) 12 kA         |
| Rated Uninterrupted Current (I <sub>u</sub> ):                     | 630 A                                          | 630 A                                                                                                                                                               | 630 A                                                                                                                                                               | 630 A                                          |
| Release:                                                           | PR222DS/P-LSIG                                 | PR222DS/P-LSIG                                                                                                                                                      | PR222DS/P-LSIG                                                                                                                                                      | PR222DS/P-LSIG                                 |
| Release Type:                                                      | EL                                             | EL                                                                                                                                                                  | EL                                                                                                                                                                  | EL                                             |
| Short-Circuit Performance Level:                                   | V                                              | V                                                                                                                                                                   | V                                                                                                                                                                   | V                                              |
| Standards:                                                         | IEC                                            | IEC                                                                                                                                                                 | IEC                                                                                                                                                                 | IEC                                            |
| Sub-type:                                                          | T5                                             | T5                                                                                                                                                                  | T5                                                                                                                                                                  | T5                                             |
| Terminal Connection Type:                                          | Fixed Circuit-Breakers Front for Copper Cables | Fixed Circuit-Breakers Front                                                                                                                                        | Fixed Circuit-Breakers Front                                                                                                                                        | Fixed Circuit-Breakers Front for Copper Cables |
| Test Voltage at Industrial Frequency for 1 Minute:                 | N/A                                            | 3500 V                                                                                                                                                              | N/A                                                                                                                                                                 | N/A                                            |
| Test Voltage Max (U <sub>test</sub> ):                             | 3500 V                                         | 3500 V                                                                                                                                                              | 3500 V                                                                                                                                                              | N/A                                            |



T5V 630  
PR222DS/P-  
LSI In=630 4p  
F F



T5V 630  
PR222DS/P-  
LSI In=630 3p  
F F



T5V630  
PR222DS/P-  
LSI In630 3p  
FFC1150VAC

T5V630  
PR222DS/P-  
LSI In630 3p  
FF 1150VAC

Dimensions

|                             |          |          |          |          |
|-----------------------------|----------|----------|----------|----------|
| Product Net Depth / Length: | 103.5 mm | 103.5 mm | 103.5 mm | 103.5 mm |
| Product Net Height:         | 205 mm   | 205 mm   | 205 mm   | 205 mm   |
| Product Net Weight:         | 6.2 kg   | 5.1 kg   | 5.1 kg   | 5.1 kg   |
| Product Net Width:          | 186 mm   | 140 mm   | 140 mm   | 140 mm   |

Container Information

|                                 |        |        |        |        |
|---------------------------------|--------|--------|--------|--------|
| Package Level 1 Depth / Length: | 285 mm | 285 mm | 285 mm | 244 mm |
| Package Level 1 EAN:            |        |        |        |        |
| Package Level 1 Gross Weight:   | 6.2 kg | 5.1 kg | 5.1 kg | 5.1 kg |
| Package Level 1 Height:         | 240 mm | 240 mm | 240 mm | 244 mm |

|                        |         |         |         |             |
|------------------------|---------|---------|---------|-------------|
| Package Level 1 Units: | 1 piece | 1 piece | 1 piece | box 1 piece |
| Package Level 1 Width: | 248 mm  | 248 mm  | 248 mm  | 284 mm      |

Additional Information

|                             |                               |                               |                               |                               |
|-----------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Product Main Type:          | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   |
| Product Name:               | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  |
| Product Type:               | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     |
| Suitable For:               | T5                            | T5                            | T5                            | T5                            |
| Suitable for Product Class: | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers |
| Version:                    | F                             | F                             | F                             | F                             |

Technical

|                                                      |                                                |                                                |                                                |                                    |
|------------------------------------------------------|------------------------------------------------|------------------------------------------------|------------------------------------------------|------------------------------------|
| Electrical Durability:                               | 5000 cycle<br>60 cycles per hour               | 5000 cycle<br>60 cycles per hour               | 5000 cycle<br>60 cycles per hour               | 5000 cycle<br>60 cycles per hour   |
| Mechanical Durability:                               | 20000 cycle<br>120 cycles per hour             | 20000 cycle<br>120 cycles per hour             | 20000 cycle<br>120 cycles per hour             | 20000 cycle<br>120 cycles per hour |
| Number of Poles:                                     | 4                                              | 3                                              | 3                                              | 3                                  |
| Power Loss:                                          | at Rated Operating<br>Conditions per Pole 41 W | at Rated Operating<br>Conditions per Pole 41 W | at Rated Operating<br>Conditions per Pole 41 W | N/A                                |
| Rated Current (I <sub>n</sub> ):                     | 630 A                                          | 630 A                                          | 630 A                                          | 630 A                              |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ): | 8 kV                                           | 8 kV                                           | 8 kV                                           | 8 kV                               |
| Rated Insulation Voltage (U <sub>i</sub> ):          | 1000 V                                         | 1000 V                                         | 1150 V                                         | 1000 V                             |
| Rated Operational Voltage:                           | 690 V AC                                       | 690 V AC                                       | 1150 V AC                                      | 1150 V AC                          |

|                                                                         |                                                                                                                                                                     |                                                                                                                                                                     |                                                |                                        |
|-------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|----------------------------------------|
| <b>Rated Service Short-Circuit Breaking Capacity (I<sub>cs</sub>):</b>  | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 75 kA<br>(690 V AC) 40 kA  | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 75 kA<br>(690 V AC) 40 kA  | (1000 V AC) 10 kA<br>(1150 V AC) 6 kA          | (1000 V AC) 10 kA<br>(1150 V AC) 6 kA  |
| <b>Rated Ultimate Short-Circuit Breaking Capacity (I<sub>cu</sub>):</b> | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA | (1000 V AC) 20 kA<br>(1150 V AC) 12 kA         | (1000 V AC) 20 kA<br>(1150 V AC) 12 kA |
| <b>Rated Uninterrupted Current (I<sub>u</sub>):</b>                     | 630 A                                                                                                                                                               | 630 A                                                                                                                                                               | 630 A                                          | 630 A                                  |
| <b>Release:</b>                                                         | PR222DS/P-LSI                                                                                                                                                       | PR222DS/P-LSI                                                                                                                                                       | PR222DS/P-LSI                                  | PR222DS/P-LSI                          |
| <b>Release Type:</b>                                                    | EL                                                                                                                                                                  | EL                                                                                                                                                                  | EL                                             | EL                                     |
| <b>Short-Circuit Performance Level:</b>                                 | V                                                                                                                                                                   | V                                                                                                                                                                   | V                                              | V                                      |
| <b>Standards:</b>                                                       | IEC                                                                                                                                                                 | IEC                                                                                                                                                                 | IEC                                            | IEC                                    |
| <b>Sub-type:</b>                                                        | T5                                                                                                                                                                  | T5                                                                                                                                                                  | T5                                             | T5                                     |
| <b>Terminal Connection Type:</b>                                        | Fixed Circuit-Breakers Front                                                                                                                                        | Fixed Circuit-Breakers Front                                                                                                                                        | Fixed Circuit-Breakers Front for Copper Cables | Fixed Circuit-Breakers Front           |
| <b>Test Voltage at Industrial Frequency for 1 Minute:</b>               | 3500 V                                                                                                                                                              | 3500 V                                                                                                                                                              | N/A                                            | N/A                                    |
| <b>Test Voltage Max (U<sub>test</sub>):</b>                             | 3500 V                                                                                                                                                              | 3500 V                                                                                                                                                              | 3500 V                                         | N/A                                    |



|  |                                            |                                            |                                                      |                                                       |
|--|--------------------------------------------|--------------------------------------------|------------------------------------------------------|-------------------------------------------------------|
|  | <b>T5V 630 TMA<br/>500-5000 4p<br/>F F</b> | <b>T5V 630 TMA<br/>500-5000 3p<br/>F F</b> | <b>T5V 630 TMA<br/>500-5000 3p<br/>F FC 1150V AC</b> | <b>T5V 630 TMA<br/>500-5000 4p F F<br/>InN=100%In</b> |
|--|--------------------------------------------|--------------------------------------------|------------------------------------------------------|-------------------------------------------------------|

|                                    |          |          |          |          |
|------------------------------------|----------|----------|----------|----------|
| <b>Product Net Depth / Length:</b> | 103.5 mm | 103.5 mm | 103.5 mm | 103.5 mm |
| <b>Product Net Height:</b>         | 205 mm   | 205 mm   | 205 mm   | 205 mm   |
| <b>Product Net Weight:</b>         | 5.1 kg   | 4.8 kg   | 4.8 kg   | 5.8 kg   |
| <b>Product Net Width:</b>          | 186 mm   | 140 mm   | 140 mm   | 186 mm   |

Container Information

|                                        |        |        |        |        |
|----------------------------------------|--------|--------|--------|--------|
| <b>Package Level 1 Depth / Length:</b> | 285 mm | 285 mm | 285 mm | 285 mm |
| <b>Package Level 1 EAN:</b>            |        |        |        |        |
| <b>Package Level 1 Gross Weight:</b>   | 5.1 kg | 4.8 kg | 4.8 kg | 5.8 kg |
| <b>Package Level 1 Height:</b>         | 240 mm | 240 mm | 240 mm | 240 mm |

|                        |         |         |         |         |
|------------------------|---------|---------|---------|---------|
| Package Level 1 Units: | 1 piece | 1 piece | 1 piece | 1 piece |
| Package Level 1 Width: | 248 mm  | 248 mm  | 248 mm  | 248 mm  |

Additional Information

|                             |                               |                               |                               |                               |
|-----------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Product Main Type:          | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   | SACE Tmax T                   |
| Product Name:               | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  | Moulded Case Circuit Breaker  |
| Product Type:               | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     | Automatic Circuit Breaker     |
| Suitable For:               | T5                            | T5                            | T5                            | T5                            |
| Suitable for Product Class: | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers | Moulded Case Circuit Breakers |
| Version:                    | F                             | F                             | F                             | F                             |

Technical

|                                                                    |                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                         |                                               |                                                                                                                                                                                                                                                                                         |
|--------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical Durability:                                             | 5000 cycle<br>60 cycles per hour                                                                                                                                                                                                                                                        | 5000 cycle<br>60 cycles per hour                                                                                                                                                                                                                                                        | 5000 cycle<br>60 cycles per hour              | 5000 cycle<br>60 cycles per hour                                                                                                                                                                                                                                                        |
| Mechanical Durability:                                             | 20000 cycle<br>120 cycles per hour                                                                                                                                                                                                                                                      | 20000 cycle<br>120 cycles per hour                                                                                                                                                                                                                                                      | 20000 cycle<br>120 cycles per hour            | 20000 cycle<br>120 cycles per hour                                                                                                                                                                                                                                                      |
| Number of Poles:                                                   | 4                                                                                                                                                                                                                                                                                       | 3                                                                                                                                                                                                                                                                                       | 3                                             | 4                                                                                                                                                                                                                                                                                       |
| Power Loss:                                                        | at Rated Operating Conditions per Pole 28.8 W                                                                                                                                                                                                                                           | at Rated Operating Conditions per Pole 28.8 W                                                                                                                                                                                                                                           | at Rated Operating Conditions per Pole 28.8 W | at Rated Operating Conditions per Pole 28.8 W                                                                                                                                                                                                                                           |
| Rated Current (I <sub>n</sub> ):                                   | 500 A                                                                                                                                                                                                                                                                                   | 500 A                                                                                                                                                                                                                                                                                   | 500 A                                         | 500 A                                                                                                                                                                                                                                                                                   |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ):               | 8 kV                                                                                                                                                                                                                                                                                    | 8 kV                                                                                                                                                                                                                                                                                    | 8 kV                                          | 8 kV                                                                                                                                                                                                                                                                                    |
| Rated Insulation Voltage (U <sub>i</sub> ):                        | 1000 V                                                                                                                                                                                                                                                                                  | 1000 V                                                                                                                                                                                                                                                                                  | 1000 V                                        | 1000 V                                                                                                                                                                                                                                                                                  |
| Rated Operational Voltage:                                         | 690 V AC<br>750 V DC                                                                                                                                                                                                                                                                    | 690 V AC<br>750 V DC                                                                                                                                                                                                                                                                    | 1150 V AC<br>1000 V DC                        | 690 V AC<br>750 V DC                                                                                                                                                                                                                                                                    |
| Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> ):  | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 75 kA<br>(690 V AC) 40 kA                                                                                                                      | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 75 kA<br>(690 V AC) 40 kA                                                                                                                      | (1000 V AC) 10 kA<br>(1150 V AC) 6 kA         | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 75 kA<br>(690 V AC) 40 kA                                                                                                                      |
| Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> ): | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA<br>(250 V DC) 2 Poles in Series 150 kA<br>(500 V DC) 2 Poles in Series 100 kA<br>(750 V DC) 3 Poles in Series 70 kA | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA<br>(250 V DC) 2 Poles in Series 150 kA<br>(500 V DC) 2 Poles in Series 100 kA<br>(750 V DC) 3 Poles in Series 70 kA | (1000 V AC) 20 kA<br>(1150 V AC) 12 kA        | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA<br>(250 V DC) 2 Poles in Series 150 kA<br>(500 V DC) 2 Poles in Series 100 kA<br>(750 V DC) 3 Poles in Series 70 kA |
| Rated Uninterrupted Current (I <sub>u</sub> ):                     | 630 A                                                                                                                                                                                                                                                                                   | 630 A                                                                                                                                                                                                                                                                                   | 630 A                                         | 630 A                                                                                                                                                                                                                                                                                   |
| Release:                                                           | TMA                                                                                                                                                                                                                                                                                     | TMA                                                                                                                                                                                                                                                                                     | TMA                                           | TMA                                                                                                                                                                                                                                                                                     |
| Release Type:                                                      | TM                                                                                                                                                                                                                                                                                      | TM                                                                                                                                                                                                                                                                                      | TM                                            | TM                                                                                                                                                                                                                                                                                      |
| Short-Circuit Performance Level:                                   | V                                                                                                                                                                                                                                                                                       | V                                                                                                                                                                                                                                                                                       | V                                             | V                                                                                                                                                                                                                                                                                       |
| Standards:                                                         | IEC                                                                                                                                                                                                                                                                                     | IEC                                                                                                                                                                                                                                                                                     | IEC                                           | IEC                                                                                                                                                                                                                                                                                     |
| Sub-type:                                                          | T5                                                                                                                                                                                                                                                                                      | T5                                                                                                                                                                                                                                                                                      | T5                                            | T5                                                                                                                                                                                                                                                                                      |

|                                                       |                                 |                                 |                                                   |                                 |
|-------------------------------------------------------|---------------------------------|---------------------------------|---------------------------------------------------|---------------------------------|
| Terminal Connection Type:                             | Fixed Circuit-Breakers<br>Front | Fixed Circuit-Breakers<br>Front | Fixed Circuit-Breakers<br>Front for Copper Cables | Fixed Circuit-Breakers<br>Front |
| Test Voltage at Industrial<br>Frequency for 1 Minute: | 3500 V                          | 3500 V                          | N/A                                               | 3500 V                          |
| Test Voltage Max (U <sub>test</sub> ):                | 3500 V                          | 3500 V                          | N/A                                               | 3500 V                          |



T5V-HA 400  
TMA  
320-3200 3p  
F F 800V AC

T5V-HA 400  
TMA  
400-4000 3p  
F F 800V AC

T5V-HA400  
TMA320-320  
0 4pFF  
800V AC  
N100%

T5V-HA400  
TMA400-40  
00 4pFF  
800V AC  
N100%

Dimensions

|                             |          |          |          |          |
|-----------------------------|----------|----------|----------|----------|
| Product Net Depth / Length: | 103.5 mm | 103.5 mm | 103.5 mm | 103.5 mm |
| Product Net Height:         | 205 mm   | 205 mm   | 205 mm   | 205 mm   |
| Product Net Weight:         | 4.8 kg   | 4.8 kg   | 5.8 kg   | 5.8 kg   |
| Product Net Width:          | 140 mm   | 140 mm   | 186 mm   | 186 mm   |

Container Information

|                                 |             |             |             |             |
|---------------------------------|-------------|-------------|-------------|-------------|
| Package Level 1 Depth / Length: | 285 mm      | 285 mm      | 285 mm      | 285 mm      |
| Package Level 1 EAN:            |             |             |             |             |
| Package Level 1 Gross Weight:   | 4.8 kg      | 4.8 kg      | 5.8 kg      | 5.8 kg      |
| Package Level 1 Height:         | 240 mm      | 240 mm      | 240 mm      | 240 mm      |
| Package Level 1 Units:          | box 1 piece | box 1 piece | box 1 piece | box 1 piece |
| Package Level 1 Width:          | 248 mm      | 248 mm      | 248 mm      | 248 mm      |

Additional Information

|                    |                                 |                                 |                                 |                                 |
|--------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| Product Main Type: | SACE Tmax T                     | SACE Tmax T                     | SACE Tmax T                     | SACE Tmax T                     |
| Product Name:      | Moulded Case Circuit<br>Breaker | Moulded Case Circuit<br>Breaker | Moulded Case Circuit<br>Breaker | Moulded Case Circuit<br>Breaker |
| Product Type:      | Automatic Circuit Breaker       | Automatic Circuit Breaker       | Automatic Circuit Breaker       | Automatic Circuit Breaker       |

Technical

|          |       |       |       |       |
|----------|-------|-------|-------|-------|
| Remarks: | ATLAS | ATLAS | ATLAS | ATLAS |
|----------|-------|-------|-------|-------|



**T5V-HA 400  
UL TMA  
300-3000 3p F  
800VAC**



**T5V-HA400  
UL  
TMA300-3000  
4pFF 800VAC  
N%**



**T5V-HA400UL  
PR221DS-LS/I  
In300 3p  
FF800V**



**T5V-HA400UL  
PR221DS-LS/I  
In300 4p  
FF800V**

## Dimensions

|                                    |          |          |          |          |
|------------------------------------|----------|----------|----------|----------|
| <b>Product Net Depth / Length:</b> | 103.5 mm | 103.5 mm | 103.5 mm | 103.5 mm |
| <b>Product Net Height:</b>         | 205 mm   | 205 mm   | 205 mm   | 205 mm   |
| <b>Product Net Weight:</b>         | 4.8 kg   | 5.8 kg   | 5.1 kg   | 6.2 kg   |
| <b>Product Net Width:</b>          | 140 mm   | 186 mm   | 140 mm   | 186 mm   |

## Container Information

|                                        |        |        |        |        |
|----------------------------------------|--------|--------|--------|--------|
| <b>Package Level 1 Depth / Length:</b> | 285 mm | 285 mm | 285 mm | 285 mm |
| <b>Package Level 1 EAN:</b>            |        |        |        |        |
| <b>Package Level 1 Gross Weight:</b>   | 4.8 kg | 5.8 kg | 5.1 kg | 6.2 kg |
| <b>Package Level 1 Height:</b>         | 240 mm | 240 mm | 240 mm | 240 mm |

|                               |             |             |             |             |
|-------------------------------|-------------|-------------|-------------|-------------|
| <b>Package Level 1 Units:</b> | box 1 piece | box 1 piece | box 1 piece | box 1 piece |
| <b>Package Level 1 Width:</b> | 248 mm      | 248 mm      | 248 mm      | 248 mm      |

## Additional Information

|                           |                              |                              |                              |                              |
|---------------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| <b>Product Main Type:</b> | SACE Tmax T                  | SACE Tmax T                  | SACE Tmax T                  | SACE Tmax T                  |
| <b>Product Name:</b>      | Moulded Case Circuit Breaker | Moulded Case Circuit Breaker | Moulded Case Circuit Breaker | Moulded Case Circuit Breaker |
| <b>Product Type:</b>      | Automatic Circuit Breaker    | Automatic Circuit Breaker    | Automatic Circuit Breaker    | Automatic Circuit Breaker    |

## Technical

|                                                     |          |          |          |          |
|-----------------------------------------------------|----------|----------|----------|----------|
| <b>Number of Poles:</b>                             | 4        | 4        | 3        | 4        |
| <b>Rated Operational Voltage:</b>                   | 800 V AC | 800 V AC | 800 V AC | 800 V AC |
| <b>Rated Uninterrupted Current (I<sub>u</sub>):</b> | 250 A    | 400 A    | 400 A    | 400 A    |
| <b>Release:</b>                                     | TMA      | TMA      | TMA      | TMA      |
| <b>Remarks:</b>                                     | ATLAS    | ATLAS    | ATLAS    | ATLAS    |
| <b>Standards:</b>                                   | UL       | UL       | UL       | UL       |
| <b>Sub-type:</b>                                    | T5       | T5       | T5       | T5       |

## Technical UL/CSA

|                                           |                  |                  |                  |                  |
|-------------------------------------------|------------------|------------------|------------------|------------------|
| <b>Interrupting Rating acc. to UL489:</b> | (800 V AC) 25 kA | (800 V AC) 25 kA | (800 V AC) 25 kA | (800 V AC) 25 kA |
|-------------------------------------------|------------------|------------------|------------------|------------------|



**T5V-HA 630  
TMA  
500-5000 3p  
F F 800V AC**



**T5V-HA630  
TMA500-50  
00 4pFF  
800V AC  
N100%**



**T5V-HA630  
PR221DS-LS/I  
In630 4p  
FF800VAC**



**T5V-HA630  
PR221DS-LS/I  
In630 3p  
FF800VAC**

#### Dimensions

|                             |          |          |          |          |
|-----------------------------|----------|----------|----------|----------|
| Product Net Depth / Length: | 103.5 mm | 103.5 mm | 103.5 mm | 103.5 mm |
| Product Net Height:         | 205 mm   | 205 mm   | 205 mm   | 205 mm   |
| Product Net Weight:         | 4.8 kg   | 5.8 kg   | 6.2 kg   | 5.1 kg   |
| Product Net Width:          | 140 mm   | 186 mm   | 186 mm   | 140 mm   |

#### Container Information

|                                 |             |             |             |             |
|---------------------------------|-------------|-------------|-------------|-------------|
| Package Level 1 Depth / Length: | 285 mm      | 285 mm      | 285 mm      | 285 mm      |
| Package Level 1 EAN:            |             |             |             |             |
| Package Level 1 Gross Weight:   | 4.8 kg      | 5.8 kg      | 6.2 kg      | 5.1 kg      |
| Package Level 1 Height:         | 240 mm      | 240 mm      | 240 mm      | 240 mm      |
| Package Level 1 Units:          | box 1 piece | box 1 piece | box 1 piece | box 1 piece |
| Package Level 1 Width:          | 248 mm      | 248 mm      | 248 mm      | 248 mm      |

#### Additional Information

|                    |                              |                              |                              |                              |
|--------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| Product Main Type: | SACE Tmax T                  | SACE Tmax T                  | SACE Tmax T                  | SACE Tmax T                  |
| Product Name:      | Moulded Case Circuit Breaker | Moulded Case Circuit Breaker | Moulded Case Circuit Breaker | Moulded Case Circuit Breaker |
| Product Type:      | Automatic Circuit Breaker    | Automatic Circuit Breaker    | Automatic Circuit Breaker    | Automatic Circuit Breaker    |

#### Technical

|          |       |       |       |       |
|----------|-------|-------|-------|-------|
| Remarks: | ATLAS | ATLAS | ATLAS | ATLAS |
|----------|-------|-------|-------|-------|



**T5X-HA400  
PR222DS-LSIG  
In400 4p  
FF800VAC**



**T5X-HA400  
PR222DS-LSIG  
In400 3p  
FF800VAC**



**T5X-HA400  
PR222DS-LSIG  
In320 4p  
FF800VAC**



**T5X-HA400  
PR222DS-LSIG  
In320 3p  
FF800VAC**

Dimensions

|                             |          |          |          |          |
|-----------------------------|----------|----------|----------|----------|
| Product Net Depth / Length: | 103.5 mm | 103.5 mm | 103.5 mm | 103.5 mm |
| Product Net Height:         | 205 mm   | 205 mm   | 205 mm   | 205 mm   |
| Product Net Weight:         | 5.1 kg   | 5.1 kg   | 5.1 kg   | 5.1 kg   |
| Product Net Width:          | 186 mm   | 140 mm   | 186 mm   | 140 mm   |

Container Information

|                                 |             |             |             |             |
|---------------------------------|-------------|-------------|-------------|-------------|
| Package Level 1 Depth / Length: | 285 mm      | 285 mm      | 285 mm      | 285 mm      |
| Package Level 1 EAN:            |             |             |             |             |
| Package Level 1 Gross Weight:   | 5.1 kg      | 5.1 kg      | 5.1 kg      | 5.1 kg      |
| Package Level 1 Height:         | 240 mm      | 240 mm      | 240 mm      | 240 mm      |
| Package Level 1 Units:          | box 1 piece | box 1 piece | box 1 piece | box 1 piece |
| Package Level 1 Width:          | 248 mm      | 248 mm      | 248 mm      | 248 mm      |

Additional Information

|                    |                              |                               |                              |                               |
|--------------------|------------------------------|-------------------------------|------------------------------|-------------------------------|
| Product Main Type: | SACE Tmax T                  | SACE Tmax T                   | SACE Tmax T                  | SACE Tmax T                   |
| Product Name:      | Moulded case circuit breaker | Moulded Case Circuit Breakers | Moulded case circuit breaker | Moulded Case Circuit Breakers |
| Product Type:      | Automatic Circuit Breaker    | Automatic Circuit Breaker     | Automatic Circuit Breaker    | Automatic Circuit Breaker     |
| Version:           | F                            | F                             | F                            | F                             |

Technical

|                                                                    |                                                |                                                |                                                |                                                |
|--------------------------------------------------------------------|------------------------------------------------|------------------------------------------------|------------------------------------------------|------------------------------------------------|
| Current Type:                                                      | AC                                             | AC                                             | AC                                             | AC                                             |
| Mechanical Durability:                                             | 20000 cycle                                    | N/A                                            | 20000 cycle                                    | N/A                                            |
| Number of Poles:                                                   | 4                                              | 3                                              | 4                                              | 3                                              |
| Power Loss:                                                        | 30 W                                           | N/A                                            | 30 W                                           | N/A                                            |
| Rated Current (I <sub>n</sub> ):                                   | 400 A                                          | N/A                                            | 400 A                                          | N/A                                            |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ):               | 8 kV                                           | N/A                                            | 8 kV                                           | N/A                                            |
| Rated Insulation Voltage (U <sub>i</sub> ):                        | 1000 V                                         | N/A                                            | 1000 V                                         | N/A                                            |
| Rated Operational Voltage:                                         | 800 V                                          | N/A                                            | 800 V                                          | N/A                                            |
| Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cw</sub> ): | (800 V AC) 35 kA                               | N/A                                            | (800 V AC) 35 kA                               | N/A                                            |
| Rated Uninterrupted Current (I <sub>u</sub> ):                     | 400 A                                          | N/A                                            | 400 A                                          | N/A                                            |
| Rated Voltage (U <sub>r</sub> ):                                   | 800 V                                          | N/A                                            | 800 V                                          | N/A                                            |
| Short-Circuit Performance Level:                                   | X                                              | N/A                                            | X                                              | N/A                                            |
| Standards:                                                         | IEC                                            | IEC                                            | IEC                                            | IEC                                            |
| Sub-type:                                                          | T5                                             | T5                                             | T5                                             | T5                                             |
| Terminal Connection Type:                                          | Fixed Circuit-Breakers Front for Copper Cables | Fixed Circuit-Breakers Front for Copper Cables | Fixed Circuit-Breakers Front for Copper Cables | Fixed Circuit-Breakers Front for Copper Cables |



Абсолютно  
бесплатно

для всех стран

и городов

сотовой связи

и интернета

по всему миру

и в любое время

года

и в любое время

года

и в любое время

года

и в любое время

года

и в любое время

года

и в любое время

года

и в любое время

года

и в любое время

года

и в любое время

года

и в любое время

года

и в любое время

года

и в любое время

года



Абсолютно  
бесплатно

для всех стран

и городов

сотовой связи

и интернета

по всему миру

и в любое время

года

и в любое время

года

и в любое время

года

и в любое время

года

и в любое время

года

и в любое время

года

и в любое время

года

и в любое время

года

и в любое время

года

и в любое время

года

и в любое время

года

и в любое время

года



Абсолютно  
бесплатно

для всех стран

и городов

сотовой связи

и интернета

по всему миру

и в любое время

года

и в любое время

года

и в любое время

года

и в любое время

года

и в любое время

года

и в любое время

года

и в любое время

года

и в любое время

года

и в любое время

года

и в любое время

года

и в любое время

года

и в любое время

года



Абсолютно  
бесплатно

для всех стран

и городов

сотовой связи

и интернета

по всему миру

и в любое время

года

и в любое время

года

и в любое время

года

и в любое время

года

и в любое время

года

и в любое время

года

и в любое время

года

и в любое время

года

и в любое время

года

и в любое время

года

и в любое время

года

и в любое время

года



Абсолютно  
бесплатно

для всех стран

и городов

сотовой связи

и интернета

по всему миру

и в любое время

года

и в любое время

года

и в любое время

года

и в любое время

года

и в любое время

года

и в любое время

года

и в любое время

года

и в любое время

года

и в любое время

года

и в любое время

года

и в любое время

года

и в любое время

года

По вопросам продаж и поддержки обращайтесь:

Алматы (727)345-47-04  
Ангарск (3955)60-70-56  
Архангельск (8182)63-90-72  
Астрахань (8512)99-46-04  
Барнаул (3852)73-04-60  
Белгород (4722)40-23-64  
Благовещенск (4162)22-76-07  
Брянск (4832)59-03-52  
Владивосток (423)249-28-31  
Владикавказ (8672)28-90-48  
Владимир (4922)49-43-18  
Волгоград (844)278-03-48  
Вологда (8172)26-41-59  
Воронеж (473)204-51-73  
Екатеринбург (343)384-55-89

Иваново (4932)77-34-06  
Ижевск (3412)26-03-58  
Иркутск (395)279-98-46  
Казань (843)206-01-48  
Калининград (4012)72-03-81  
Калуга (4842)92-23-67  
Кемерово (3842)65-04-62  
Киров (8332)68-02-04  
Коломна (4966)23-41-49  
Кострома (4942)77-07-48  
Краснодар (861)203-40-90  
Красноярск (391)204-63-61  
Курск (4712)77-13-04  
Курган (3522)50-90-47  
Липецк (4742)52-20-81

Магнитогорск (3519)55-03-13  
Москва (495)268-04-70  
Мурманск (8152)59-64-93  
Набережные Челны (8552)20-53-41  
Новокузнецк (3843)20-46-81  
Ноябрьск (3496)41-32-12  
Новосибирск (383)227-86-73  
Омск (3812)21-46-40  
Орел (4862)44-53-42  
Оренбург (3532)37-68-04  
Пенза (8412)22-31-16  
Петрозаводск (8142)55-98-37  
Псков (8112)59-10-37  
Пермь (342)205-81-47

Ростов-на-Дону (863)308-18-15  
Рязань (4912)46-61-64  
Самара (846)206-03-16  
Санкт-Петербург (812)309-46-40  
Саратов (845)249-38-78  
Севастополь (8692)22-31-93  
Саранск (8342)22-96-24  
Симферополь (3652)67-13-56  
Смоленск (4812)29-41-54  
Сочи (862)225-72-31  
Ставрополь (8652)20-65-13  
Сургут (3462)77-98-35  
Сыктывкар (8212)25-95-17  
Тамбов (4752)50-40-97  
Тверь (4822)63-31-35

Тольятти (8482)63-91-07  
Томск (3822)98-41-53  
Тула (4872)33-79-87  
Тюмень (3452)66-21-18  
Улан-Удэ (3012)59-97-51  
Уфа (347)229-48-12  
Хабаровск (4212)92-98-04  
Чебоксары (8352)28-53-07  
Челябинск (351)202-03-61  
Череповец (8202)49-02-64  
Чита (3022)38-34-83  
Якутск (4112)23-90-97  
Ярославль (4852)69-52-93

Россия +7(495)268-04-70

Казахстан +7(727)345-47-04

Беларусь +375-257-127-884

Узбекистан +998(71)205-18-59

Киргизия +996(312)96-26-47

эл.почта: [ahk@nt-rt.ru](mailto:ahk@nt-rt.ru) || сайт: <https://abbswitch.nt-rt.ru>