

# Автоматические выключатели Emax2

## E2.2N/MS

### Технические характеристики

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Оренбург (3532)37-68-04  
Пенза (8412)22-31-16  
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Смоленск (4812)29-41-54  
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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  
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E2.2N/MS  
800 4p F HR

E2.2N/MS  
800 3p F HR

E2.2N/MS  
800 4p WMP

E2.2N/MS  
800 3p WMP

## Dimensions

|                             |        |        |        |        |
|-----------------------------|--------|--------|--------|--------|
| Product Net Depth / Length: | 270 mm | 270 mm | 383 mm | 383 mm |
| Product Net Height:         | 371 mm | 371 mm | 425 mm | 425 mm |
| Product Net Weight:         | 53 kg  | 41 kg  | 55 kg  | 48 kg  |
| Product Net Width:          | 366 mm | 276 mm | 407 mm | 317 mm |

## Container Information

|                                 |               |               |               |               |
|---------------------------------|---------------|---------------|---------------|---------------|
| Package Level 1 Depth / Length: | 615 mm        | 515 mm        | 615 mm        | 515 mm        |
| Package Level 1 EAN:            | 8015644772918 | 8015644772529 | 8015644773755 | 8015644773366 |
| Package Level 1 Gross Weight:   | 58 kg         | 46 kg         | 60 kg         | 53 kg         |
| Package Level 1 Height:         | 610 mm        | 610 mm        | 610 mm        | 610 mm        |
| Package Level 1 Units:          | box 1 piece   | box 1 piece   | box 1 piece   | box 1 piece   |
| Package Level 1 Width:          | 515 mm        | 515 mm        | 515 mm        | 515 mm        |

## Additional Information

|                          |                                 |                                 |                                 |                                 |
|--------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| CAD Dimensional Drawing: | <a href="#">1SDH001252R0123</a> | <a href="#">1SDH001252R0083</a> | <a href="#">1SDH001252R0432</a> | <a href="#">1SDH001252R0431</a> |
| Product Main Type:       | SACE Emax 2                     | SACE Emax 2                     | SACE Emax 2                     | SACE Emax 2                     |
| Product Name:            | Switch Disconnecter             | Switch Disconnecter             | Switch Disconnecter             | Switch Disconnecter             |
| Product Type:            | Switch Disconnecter             | Switch Disconnecter             | Switch Disconnecter             | Switch Disconnecter             |
| Version:                 | F                               | F                               | W                               | W                               |

## Technical

|                                                                    |                                                                                 |                                                                                 |                                                                                 |                                                                                 |
|--------------------------------------------------------------------|---------------------------------------------------------------------------------|---------------------------------------------------------------------------------|---------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
| Current Type:                                                      | AC                                                                              | AC                                                                              | AC                                                                              | AC                                                                              |
| Electrical Durability:                                             | Ue =< 440 V 15000 cycle<br>Ue = 500 ... 690 V 15000 cycle<br>30 cycles per hour | Ue =< 440 V 15000 cycle<br>Ue = 500 ... 690 V 15000 cycle<br>30 cycles per hour | Ue =< 440 V 15000 cycle<br>Ue = 500 ... 690 V 15000 cycle<br>30 cycles per hour | Ue =< 440 V 15000 cycle<br>Ue = 500 ... 690 V 15000 cycle<br>30 cycles per hour |
| Mechanical Durability:                                             | 25000 cycle<br>60 cycles per hour                                               | 25000 cycle<br>60 cycles per hour                                               | 25000 cycle<br>60 cycles per hour                                               | 25000 cycle<br>60 cycles per hour                                               |
| Neutral Pole Current ([%I <sub>n</sub> ]):                         | 100 %                                                                           | N/A                                                                             | 100 %                                                                           | N/A                                                                             |
| Number of Poles:                                                   | 4                                                                               | 3                                                                               | 4                                                                               | 3                                                                               |
| Power Loss:                                                        | 34 W                                                                            | 34 W                                                                            | 72 W                                                                            | 72 W                                                                            |
| Rated Current (I <sub>n</sub> ):                                   | 800 A                                                                           | 800 A                                                                           | 800 A                                                                           | 800 A                                                                           |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ):               | 12 kV                                                                           | 12 kV                                                                           | 12 kV                                                                           | 12 kV                                                                           |
| Rated Insulation Voltage (U <sub>i</sub> ):                        | AC 1000 V                                                                       | AC 1000 V                                                                       | AC 1000 V                                                                       | AC 1000 V                                                                       |
| Rated Operational Voltage:                                         | 690 V AC                                                                        | 690 V AC                                                                        | 690 V AC                                                                        | 690 V AC                                                                        |
| Rated Short-time Withstand Current Low Voltage (I <sub>cw</sub> ): | for 1 s 66 kA<br>for 3 s 50 kA                                                  | for 1 s 66 kA<br>for 3 s 50 kA                                                  | for 1 s 66 kA<br>for 3 s 50 kA                                                  | for 1 s 66 kA<br>for 3 s 50 kA                                                  |

|                                                |                      |                      |       |       |
|------------------------------------------------|----------------------|----------------------|-------|-------|
| Rated Uninterrupted Current (I <sub>u</sub> ): | 800 A                | 800 A                | 800 A | 800 A |
| Rated Voltage (U <sub>r</sub> ):               | 690 V                | 690 V                | 690 V | 690 V |
| Recommended Screw Driver:                      | Main Circuit M12     | Main Circuit M12     | N/A   | N/A   |
| Short-Circuit Performance Level:               | N                    | N                    | N     | N     |
| Standards:                                     | IEC                  | IEC                  | IEC   | IEC   |
| Sub-type:                                      | E2.2                 | E2.2                 | E2.2  | E2.2  |
| Terminal Connection Type:                      | Rear flat Horizontal | Rear flat Horizontal | N/A   | N/A   |
| Terminal Type:                                 | Bolt                 | Bolt                 | N/A   | N/A   |
| Tightening Torque:                             | 70 N·m               | 70 N·m               | N/A   | N/A   |



E2.2N/MS 1000  
3p WMP



E2.2N/MS 1000  
4p WMP



E2.2N/MS 1000  
3p F HR



E2.2N/MS  
1000 4p F HR

### Dimensions

|                             |        |        |        |        |
|-----------------------------|--------|--------|--------|--------|
| Product Net Depth / Length: | 383 mm | 383 mm | 270 mm | 270 mm |
| Product Net Height:         | 425 mm | 425 mm | 371 mm | 371 mm |
| Product Net Weight:         | 48 kg  | 55 kg  | 41 kg  | 53 kg  |
| Product Net Width:          | 317 mm | 407 mm | 276 mm | 366 mm |

### Container Information

|                                 |               |               |               |               |
|---------------------------------|---------------|---------------|---------------|---------------|
| Package Level 1 Depth / Length: | 515 mm        | 615 mm        | 515 mm        | 615 mm        |
| Package Level 1 EAN:            | 8015644773380 | 8015644773779 | 8015644772543 | 8015644772932 |
| Package Level 1 Gross Weight:   | 53 kg         | 60 kg         | 46 kg         | 58 kg         |
| Package Level 1 Height:         | 610 mm        | 610 mm        | 610 mm        | 610 mm        |
| Package Level 1 Units:          | box 1 piece   | box 1 piece   | box 1 piece   | box 1 piece   |
| Package Level 1 Width:          | 515 mm        | 515 mm        | 515 mm        | 515 mm        |

### Additional Information

|                          |                                 |                                 |                                 |                                 |
|--------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| CAD Dimensional Drawing: | <a href="#">1SDH001252R0431</a> | <a href="#">1SDH001252R0432</a> | <a href="#">1SDH001252R0083</a> | <a href="#">1SDH001252R0123</a> |
| Product Main Type:       | SACE Emax 2                     | SACE Emax 2                     | SACE Emax 2                     | SACE Emax 2                     |
| Product Name:            | Switch Disconnector             | Switch Disconnector             | Switch Disconnector             | Switch Disconnector             |
| Product Type:            | Switch Disconnector             | Switch Disconnector             | Switch Disconnector             | Switch Disconnector             |
| Version:                 | W                               | W                               | F                               | F                               |

Technical

|                                                                    |                                                                                 |                                                                                 |                                                                                 |                                                                                 |
|--------------------------------------------------------------------|---------------------------------------------------------------------------------|---------------------------------------------------------------------------------|---------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
| Current Type:                                                      | AC                                                                              | AC                                                                              | AC                                                                              | AC                                                                              |
| Electrical Durability:                                             | Ue =< 440 V 15000 cycle<br>Ue = 500 ... 690 V 15000 cycle<br>30 cycles per hour | Ue =< 440 V 15000 cycle<br>Ue = 500 ... 690 V 15000 cycle<br>30 cycles per hour | Ue =< 440 V 15000 cycle<br>Ue = 500 ... 690 V 15000 cycle<br>30 cycles per hour | Ue =< 440 V 15000 cycle<br>Ue = 500 ... 690 V 15000 cycle<br>30 cycles per hour |
| Mechanical Durability:                                             | 25000 cycle<br>60 cycles per hour                                               | 25000 cycle<br>60 cycles per hour                                               | 25000 cycle<br>60 cycles per hour                                               | 25000 cycle<br>60 cycles per hour                                               |
| Neutral Pole Current ([%I <sub>N</sub> ]):                         | N/A                                                                             | 100 %                                                                           | N/A                                                                             | 100 %                                                                           |
| Number of Poles:                                                   | 3                                                                               | 4                                                                               | 3                                                                               | 4                                                                               |
| Power Loss:                                                        | 113 W                                                                           | 113 W                                                                           | 53 W                                                                            | 53 W                                                                            |
| Rated Current (I <sub>N</sub> ):                                   | 1000 A                                                                          | 1000 A                                                                          | 1000 A                                                                          | 1000 A                                                                          |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ):               | 12 kV                                                                           | 12 kV                                                                           | 12 kV                                                                           | 12 kV                                                                           |
| Rated Insulation Voltage (U <sub>i</sub> ):                        | AC 1000 V                                                                       | AC 1000 V                                                                       | AC 1000 V                                                                       | AC 1000 V                                                                       |
| Rated Operational Voltage:                                         | 690 V AC                                                                        | 690 V AC                                                                        | 690 V AC                                                                        | 690 V AC                                                                        |
| Rated Short-time Withstand Current Low Voltage (I <sub>cw</sub> ): | for 1 s 66 kA<br>for 3 s 50 kA                                                  | for 1 s 66 kA<br>for 3 s 50 kA                                                  | for 1 s 66 kA<br>for 3 s 50 kA                                                  | for 1 s 66 kA<br>for 3 s 50 kA                                                  |
| Rated Uninterrupted Current (I <sub>u</sub> ):                     | 1000 A                                                                          | 1000 A                                                                          | 1000 A                                                                          | 1000 A                                                                          |
| Rated Voltage (U <sub>r</sub> ):                                   | 690 V                                                                           | 690 V                                                                           | 690 V                                                                           | 690 V                                                                           |
| Recommended Screw Driver:                                          | N/A                                                                             | N/A                                                                             | Main Circuit M12                                                                | Main Circuit M12                                                                |
| Short-Circuit Performance Level:                                   | N                                                                               | N                                                                               | N                                                                               | N                                                                               |
| Standards:                                                         | IEC                                                                             | IEC                                                                             | IEC                                                                             | IEC                                                                             |
| Sub-type:                                                          | E2.2                                                                            | E2.2                                                                            | E2.2                                                                            | E2.2                                                                            |
| Terminal Connection Type:                                          | N/A                                                                             | N/A                                                                             | Rear flat Horizontal                                                            | Rear flat Horizontal                                                            |
| Terminal Type:                                                     | N/A                                                                             | N/A                                                                             | Bolt                                                                            | Bolt                                                                            |
| Tightening Torque:                                                 | N/A                                                                             | N/A                                                                             | 70 N·m                                                                          | 70 N·m                                                                          |



E2.2N/MS 1250  
4p F HR



E2.2N/MS 1250 3p  
F HR



E2.2N/MS 1250  
4p WMP



E2.2N/MS 1250  
3p WMP

Dimensions

|                             |        |        |        |        |
|-----------------------------|--------|--------|--------|--------|
| Product Net Depth / Length: | 270 mm | 270 mm | 383 mm | 383 mm |
| Product Net Height:         | 371 mm | 371 mm | 425 mm | 425 mm |
| Product Net Weight:         | 53 kg  | 41 kg  | 55 kg  | 48 kg  |
| Product Net Width:          | 366 mm | 276 mm | 407 mm | 317 mm |

Container Information

|                                 |               |               |               |               |
|---------------------------------|---------------|---------------|---------------|---------------|
| Package Level 1 Depth / Length: | 615 mm        | 515 mm        | 615 mm        | 515 mm        |
| Package Level 1 EAN:            | 8015644772956 | 8015644772567 | 8015644773793 | 8015644773403 |
| Package Level 1 Gross Weight:   | 58 kg         | 46 kg         | 60 kg         | 53 kg         |
| Package Level 1 Height:         | 610 mm        | 610 mm        | 610 mm        | 610 mm        |
| Package Level 1 Units:          | box 1 piece   | box 1 piece   | box 1 piece   | box 1 piece   |
| Package Level 1 Width:          | 515 mm        | 515 mm        | 515 mm        | 515 mm        |

Additional Information

|                          |                                 |                                 |                                 |                                 |
|--------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| CAD Dimensional Drawing: | <a href="#">1SDH001252R0123</a> | <a href="#">1SDH001252R0083</a> | <a href="#">1SDH001252R0432</a> | <a href="#">1SDH001252R0431</a> |
| Product Main Type:       | SACE Emax 2                     | SACE Emax 2                     | SACE Emax 2                     | SACE Emax 2                     |
| Product Name:            | Switch Disconnecter             | Switch Disconnecter             | Switch Disconnecter             | Switch Disconnecter             |
| Product Type:            | Switch Disconnecter             | Switch Disconnecter             | Switch Disconnecter             | Switch Disconnecter             |
| Version:                 | F                               | F                               | W                               | W                               |

Technical

|                                                                    |                                                                                 |                                                                                 |                                                                                 |                                                                                 |
|--------------------------------------------------------------------|---------------------------------------------------------------------------------|---------------------------------------------------------------------------------|---------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
| Current Type:                                                      | AC                                                                              | AC                                                                              | AC                                                                              | AC                                                                              |
| Electrical Durability:                                             | Ue =< 440 V 15000 cycle<br>Ue = 500 ... 690 V 15000 cycle<br>30 cycles per hour | Ue =< 440 V 15000 cycle<br>Ue = 500 ... 690 V 15000 cycle<br>30 cycles per hour | Ue =< 440 V 15000 cycle<br>Ue = 500 ... 690 V 15000 cycle<br>30 cycles per hour | Ue =< 440 V 15000 cycle<br>Ue = 500 ... 690 V 15000 cycle<br>30 cycles per hour |
| Mechanical Durability:                                             | 25000 cycle<br>60 cycles per hour                                               | 25000 cycle<br>60 cycles per hour                                               | 25000 cycle<br>60 cycles per hour                                               | 25000 cycle<br>60 cycles per hour                                               |
| Neutral Pole Current ([%I <sub>n</sub> ]):                         | 100 %                                                                           | N/A                                                                             | 100 %                                                                           | N/A                                                                             |
| Number of Poles:                                                   | 4                                                                               | 3                                                                               | 4                                                                               | 3                                                                               |
| Power Loss:                                                        | 83 W                                                                            | 83 W                                                                            | 176 W                                                                           | 176 W                                                                           |
| Rated Current (I <sub>n</sub> ):                                   | 1250 A                                                                          | 1250 A                                                                          | 1250 A                                                                          | 1250 A                                                                          |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ):               | 12 kV                                                                           | 12 kV                                                                           | 12 kV                                                                           | 12 kV                                                                           |
| Rated Insulation Voltage (U <sub>i</sub> ):                        | AC 1000 V                                                                       | AC 1000 V                                                                       | AC 1000 V                                                                       | AC 1000 V                                                                       |
| Rated Operational Voltage:                                         | 690 V AC                                                                        | 690 V AC                                                                        | 690 V AC                                                                        | 690 V AC                                                                        |
| Rated Short-time Withstand Current Low Voltage (I <sub>cw</sub> ): | for 1 s 66 kA<br>for 3 s 50 kA                                                  | for 1 s 66 kA<br>for 3 s 50 kA                                                  | for 1 s 66 kA<br>for 3 s 50 kA                                                  | for 1 s 66 kA<br>for 3 s 50 kA                                                  |
| Rated Uninterrupted Current (I <sub>u</sub> ):                     | 1250 A                                                                          | 1250 A                                                                          | 1250 A                                                                          | 1250 A                                                                          |
| Rated Voltage (U <sub>r</sub> ):                                   | 690 V                                                                           | 690 V                                                                           | 690 V                                                                           | 690 V                                                                           |
| Recommended Screw Driver:                                          | Main Circuit M12                                                                | Main Circuit M12                                                                | N/A                                                                             | N/A                                                                             |
| Short-Circuit Performance Level:                                   | N                                                                               | N                                                                               | N                                                                               | N                                                                               |
| Standards:                                                         | IEC                                                                             | IEC                                                                             | IEC                                                                             | IEC                                                                             |
| Sub-type:                                                          | E2.2                                                                            | E2.2                                                                            | E2.2                                                                            | E2.2                                                                            |
| Terminal Connection Type:                                          | Rear flat Horizontal                                                            | Rear flat Horizontal                                                            | N/A                                                                             | N/A                                                                             |
| Terminal Type:                                                     | Bolt                                                                            | Bolt                                                                            | N/A                                                                             | N/A                                                                             |
| Tightening Torque:                                                 | 70 N·m                                                                          | 70 N·m                                                                          | N/A                                                                             | N/A                                                                             |



**E2.2N/MS 1600  
4p F HR**

**E2.2N/MS  
1600 3p F HR**

**E2.2N/MS  
1600 4p WMP**

**E2.2N/MS 1600  
3p WMP**

## Dimensions

|                             |        |        |        |        |
|-----------------------------|--------|--------|--------|--------|
| Product Net Depth / Length: | 270 mm | 270 mm | 383 mm | 383 mm |
| Product Net Height:         | 371 mm | 371 mm | 425 mm | 425 mm |
| Product Net Weight:         | 53 kg  | 41 kg  | 55 kg  | 48 kg  |
| Product Net Width:          | 366 mm | 276 mm | 407 mm | 317 mm |

## Container Information

|                                 |               |               |               |               |
|---------------------------------|---------------|---------------|---------------|---------------|
| Package Level 1 Depth / Length: | 615 mm        | 515 mm        | 615 mm        | 515 mm        |
| Package Level 1 EAN:            | 8015644772987 | 8015644772598 | 8015644773823 | 8015644773434 |
| Package Level 1 Gross Weight:   | 58 kg         | 46 kg         | 60 kg         | 53 kg         |
| Package Level 1 Height:         | 610 mm        | 610 mm        | 610 mm        | 610 mm        |
| Package Level 1 Units:          | box 1 piece   | box 1 piece   | box 1 piece   | box 1 piece   |
| Package Level 1 Width:          | 515 mm        | 515 mm        | 515 mm        | 515 mm        |

## Additional Information

|                          |                                 |                                 |                                 |                                 |
|--------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| CAD Dimensional Drawing: | <a href="#">1SDH001252R0123</a> | <a href="#">1SDH001252R0083</a> | <a href="#">1SDH001252R0432</a> | <a href="#">1SDH001252R0431</a> |
| Product Main Type:       | SACE Emax 2                     | SACE Emax 2                     | SACE Emax 2                     | SACE Emax 2                     |
| Product Name:            | Switch Disconnecter             | Switch Disconnecter             | Switch Disconnecter             | Switch Disconnecter             |
| Product Type:            | Switch Disconnecter             | Switch Disconnecter             | Switch Disconnecter             | Switch Disconnecter             |
| Version:                 | F                               | F                               | W                               | W                               |

## Technical

|                                                      |                                                                                 |                                                                                 |                                                                                 |                                                                                 |
|------------------------------------------------------|---------------------------------------------------------------------------------|---------------------------------------------------------------------------------|---------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
| Current Type:                                        | AC                                                                              | AC                                                                              | AC                                                                              | AC                                                                              |
| Electrical Durability:                               | Ue =< 440 V 12000 cycle<br>Ue = 500 ... 690 V 10000 cycle<br>30 cycles per hour | Ue =< 440 V 12000 cycle<br>Ue = 500 ... 690 V 10000 cycle<br>30 cycles per hour | Ue =< 440 V 12000 cycle<br>Ue = 500 ... 690 V 10000 cycle<br>30 cycles per hour | Ue =< 440 V 12000 cycle<br>Ue = 500 ... 690 V 10000 cycle<br>30 cycles per hour |
| Mechanical Durability:                               | 25000 cycle<br>60 cycles per hour                                               | 25000 cycle<br>60 cycles per hour                                               | 25000 cycle<br>60 cycles per hour                                               | 25000 cycle<br>60 cycles per hour                                               |
| Neutral Pole Current ([%I <sub>n</sub> ]):           | 100 %                                                                           | N/A                                                                             | 100 %                                                                           | N/A                                                                             |
| Number of Poles:                                     | 4                                                                               | 3                                                                               | 4                                                                               | 3                                                                               |
| Power Loss:                                          | 136 W                                                                           | 136 W                                                                           | 288 W                                                                           | 288 W                                                                           |
| Rated Current (I <sub>n</sub> ):                     | 1600 A                                                                          | 1600 A                                                                          | 1600 A                                                                          | 1600 A                                                                          |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ): | 12 kV                                                                           | 12 kV                                                                           | 12 kV                                                                           | 12 kV                                                                           |

|                                                                    |                                |                                |                                |                                |
|--------------------------------------------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| Rated Insulation Voltage (U <sub>i</sub> ):                        | AC 1000 V                      | AC 1000 V                      | AC 1000 V                      | AC 1000 V                      |
| Rated Operational Voltage:                                         | 690 V AC                       | 690 V AC                       | 690 V AC                       | 690 V AC                       |
| Rated Short-time Withstand Current Low Voltage (I <sub>cw</sub> ): | for 1 s 66 kA<br>for 3 s 50 kA | for 1 s 66 kA<br>for 3 s 50 kA | for 1 s 66 kA<br>for 3 s 50 kA | for 1 s 66 kA<br>for 3 s 50 kA |
| Rated Uninterrupted Current (I <sub>u</sub> ):                     | 1600 A                         | 1600 A                         | 1600 A                         | 1600 A                         |
| Rated Voltage (U <sub>r</sub> ):                                   | 690 V                          | 690 V                          | 690 V                          | 690 V                          |
| Recommended Screw Driver:                                          | Main Circuit M12               | Main Circuit M12               | N/A                            | N/A                            |
| Short-Circuit Performance Level:                                   | N                              | N                              | N                              | N                              |
| Standards:                                                         | IEC                            | IEC                            | IEC                            | IEC                            |
| Sub-type:                                                          | E2.2                           | E2.2                           | E2.2                           | E2.2                           |
| Terminal Connection Type:                                          | Rear flat Horizontal           | Rear flat Horizontal           | N/A                            | N/A                            |
| Terminal Type:                                                     | Bolt                           | Bolt                           | N/A                            | N/A                            |
| Tightening Torque:                                                 | 70 N·m                         | 70 N·m                         | N/A                            | N/A                            |



E2.2N/MS  
2000 3p WMP



E2.2N/MS  
2000 4p WMP



E2.2N/MS  
2000 3p F HR



E2.2N/MS 2000  
4p F HR

Dimensions

|                             |        |        |        |        |
|-----------------------------|--------|--------|--------|--------|
| Product Net Depth / Length: | 383 mm | 383 mm | 270 mm | 270 mm |
| Product Net Height:         | 425 mm | 425 mm | 371 mm | 371 mm |
| Product Net Weight:         | 48 kg  | 55 kg  | 41 kg  | 53 kg  |
| Product Net Width:          | 317 mm | 407 mm | 276 mm | 366 mm |

Container Information

|                                 |               |               |               |               |
|---------------------------------|---------------|---------------|---------------|---------------|
| Package Level 1 Depth / Length: | 515 mm        | 615 mm        | 515 mm        | 615 mm        |
| Package Level 1 EAN:            | 8015644773465 | 8015644773854 | 8015644772628 | 8015644773014 |
| Package Level 1 Gross Weight:   | 53 kg         | 60 kg         | 46 kg         | 58 kg         |
| Package Level 1 Height:         | 610 mm        | 610 mm        | 610 mm        | 610 mm        |
| Package Level 1 Units:          | box 1 piece   | box 1 piece   | box 1 piece   | box 1 piece   |
| Package Level 1 Width:          | 515 mm        | 515 mm        | 515 mm        | 515 mm        |

Additional Information

|                          |                                 |                                 |                                 |                                 |
|--------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| CAD Dimensional Drawing: | <a href="#">1SDH001252R0431</a> | <a href="#">1SDH001252R0432</a> | <a href="#">1SDH001252R0083</a> | <a href="#">1SDH001252R0123</a> |
| Product Main Type:       | SACE Emax 2                     | SACE Emax 2                     | SACE Emax 2                     | SACE Emax 2                     |
| Product Name:            | Switch Disconnecter             | Switch Disconnecter             | Switch Disconnecter             | Switch Disconnecter             |
| Product Type:            | Switch Disconnecter             | Switch Disconnecter             | Switch Disconnecter             | Switch Disconnecter             |
| Version:                 | W                               | W                               | F                               | F                               |

Technical

|                                                                    |                                                                          |                                                                          |                                                                          |                                                                          |
|--------------------------------------------------------------------|--------------------------------------------------------------------------|--------------------------------------------------------------------------|--------------------------------------------------------------------------|--------------------------------------------------------------------------|
| Current Type:                                                      | AC                                                                       | AC                                                                       | AC                                                                       | AC                                                                       |
| Electrical Durability:                                             | Ue =< 440 V 10000 cycle Ue = 500 ... 690 V 8000 cycle 30 cycles per hour | Ue =< 440 V 10000 cycle Ue = 500 ... 690 V 8000 cycle 30 cycles per hour | Ue =< 440 V 10000 cycle Ue = 500 ... 690 V 8000 cycle 30 cycles per hour | Ue =< 440 V 10000 cycle Ue = 500 ... 690 V 8000 cycle 30 cycles per hour |
| Mechanical Durability:                                             | 25000 cycle 60 cycles per hour                                           | 25000 cycle 60 cycles per hour                                           | 25000 cycle 60 cycles per hour                                           | 25000 cycle 60 cycles per hour                                           |
| Neutral Pole Current ([%I <sub>n</sub> ]):                         | N/A                                                                      | 100 %                                                                    | N/A                                                                      | 100 %                                                                    |
| Number of Poles:                                                   | 3                                                                        | 4                                                                        | 3                                                                        | 4                                                                        |
| Power Loss:                                                        | 450 W                                                                    | 450 W                                                                    | 212 W                                                                    | 212 W                                                                    |
| Rated Current (I <sub>n</sub> ):                                   | 2000 A                                                                   | 2000 A                                                                   | 2000 A                                                                   | 2000 A                                                                   |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ):               | 12 kV                                                                    | 12 kV                                                                    | 12 kV                                                                    | 12 kV                                                                    |
| Rated Insulation Voltage (U <sub>i</sub> ):                        | AC 1000 V                                                                | AC 1000 V                                                                | AC 1000 V                                                                | AC 1000 V                                                                |
| Rated Operational Voltage:                                         | 690 V AC                                                                 | 690 V AC                                                                 | 690 V AC                                                                 | 690 V AC                                                                 |
| Rated Short-time Withstand Current Low Voltage (I <sub>cw</sub> ): | for 1 s 66 kA<br>for 3 s 50 kA                                           | for 1 s 66 kA<br>for 3 s 50 kA                                           | for 1 s 66 kA<br>for 3 s 50 kA                                           | for 1 s 66 kA<br>for 3 s 50 kA                                           |
| Rated Uninterrupted Current (I <sub>u</sub> ):                     | 2000 A                                                                   | 2000 A                                                                   | 2000 A                                                                   | 2000 A                                                                   |
| Rated Voltage (U <sub>r</sub> ):                                   | 690 V                                                                    | 690 V                                                                    | 690 V                                                                    | 690 V                                                                    |
| Recommended Screw Driver:                                          | N/A                                                                      | N/A                                                                      | Main Circuit M12                                                         | Main Circuit M12                                                         |
| Short-Circuit Performance Level:                                   | N                                                                        | N                                                                        | N                                                                        | N                                                                        |
| Standards:                                                         | IEC                                                                      | IEC                                                                      | IEC                                                                      | IEC                                                                      |
| Sub-type:                                                          | E2.2                                                                     | E2.2                                                                     | E2.2                                                                     | E2.2                                                                     |
| Terminal Connection Type:                                          | N/A                                                                      | N/A                                                                      | Rear flat Horizontal                                                     | Rear flat Horizontal                                                     |
| Terminal Type:                                                     | N/A                                                                      | N/A                                                                      | Bolt                                                                     | Bolt                                                                     |
| Tightening Torque:                                                 | N/A                                                                      | N/A                                                                      | 70 N·m                                                                   | 70 N·m                                                                   |



E2.2N/MS  
2500 3p WMP



E2.2N/MS  
2500 4p WMP



E2.2N/MS  
2500 3p F HR



E2.2N/MS 2500  
4p F HR

Dimensions

|                             |        |        |        |        |
|-----------------------------|--------|--------|--------|--------|
| Product Net Depth / Length: | 383 mm | 383 mm | 270 mm | 270 mm |
| Product Net Height:         | 425 mm | 425 mm | 371 mm | 371 mm |
| Product Net Weight:         | 48 kg  | 55 kg  | 41 kg  | 53 kg  |
| Product Net Width:          | 317 mm | 407 mm | 276 mm | 366 mm |

Container Information

|                                 |               |               |               |               |
|---------------------------------|---------------|---------------|---------------|---------------|
| Package Level 1 Depth / Length: | 515 mm        | 615 mm        | 515 mm        | 615 mm        |
| Package Level 1 EAN:            | 8015644773489 | 8015644773878 | 8015644772642 | 8015644773038 |
| Package Level 1 Gross Weight:   | 53 kg         | 60 kg         | 46 kg         | 58 kg         |
| Package Level 1 Height:         | 610 mm        | 610 mm        | 610 mm        | 610 mm        |
| Package Level 1 Units:          | box 1 piece   | box 1 piece   | box 1 piece   | box 1 piece   |
| Package Level 1 Width:          | 515 mm        | 515 mm        | 515 mm        | 515 mm        |

Additional Information

|                          |                                 |                                 |                                 |                                 |
|--------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| CAD Dimensional Drawing: | <a href="#">1SDH001252R0431</a> | <a href="#">1SDH001252R0432</a> | <a href="#">1SDH001252R0083</a> | <a href="#">1SDH001252R0123</a> |
| Product Main Type:       | SACE Emax 2                     | SACE Emax 2                     | SACE Emax 2                     | SACE Emax 2                     |
| Product Name:            | Switch Disconnecter             | Switch Disconnecter             | Switch Disconnecter             | Switch Disconnecter             |
| Product Type:            | Switch Disconnecter             | Switch Disconnecter             | Switch Disconnecter             | Switch Disconnecter             |
| Version:                 | W                               | W                               | F                               | F                               |

Technical

|                                                                    |                                                                              |                                                                               |                                                                               |                                                                               |
|--------------------------------------------------------------------|------------------------------------------------------------------------------|-------------------------------------------------------------------------------|-------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| Current Type:                                                      | AC                                                                           | AC                                                                            | AC                                                                            | AC                                                                            |
| Electrical Durability:                                             | Ue =< 440 V 8000 cycle<br>e = 500 ... 690 V 7000 cycle<br>30 cycles per hour | Ue =< 440 V 8000 cycle<br>Ue = 500 ... 690 V 7000 cycle<br>30 cycles per hour | Ue =< 440 V 8000 cycle<br>Ue = 500 ... 690 V 7000 cycle<br>30 cycles per hour | Ue =< 440 V 8000 cycle<br>Ue = 500 ... 690 V 7000 cycle<br>30 cycles per hour |
| Mechanical Durability:                                             | 20000 cycle<br>60 cycles per hour                                            | 20000 cycle<br>60 cycles per hour                                             | 20000 cycle<br>60 cycles per hour                                             | 20000 cycle<br>60 cycles per hour                                             |
| Neutral Pole Current ([%I <sub>u</sub> ]):                         | N/A                                                                          | 100 %                                                                         | N/A                                                                           | 100 %                                                                         |
| Number of Poles:                                                   | 3                                                                            | 4                                                                             | 3                                                                             | 4                                                                             |
| Power Loss:                                                        | 550 W                                                                        | 550 W                                                                         | 267 W                                                                         | 267 W                                                                         |
| Rated Current (I <sub>n</sub> ):                                   | 2500 A                                                                       | 2500 A                                                                        | 2500 A                                                                        | 2500 A                                                                        |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ):               | 12 kV                                                                        | 12 kV                                                                         | 12 kV                                                                         | 12 kV                                                                         |
| Rated Insulation Voltage (U <sub>i</sub> ):                        | AC 1000 V                                                                    | AC 1000 V                                                                     | AC 1000 V                                                                     | AC 1000 V                                                                     |
| Rated Operational Voltage:                                         | 690 V AC                                                                     | 690 V AC                                                                      | 690 V AC                                                                      | 690 V AC                                                                      |
| Rated Short-time Withstand Current Low Voltage (I <sub>cw</sub> ): | for 1 s 66 kA<br>for 3 s 50 kA                                               | for 1 s 66 kA<br>for 3 s 50 kA                                                | for 1 s 66 kA<br>for 3 s 50 kA                                                | for 1 s 66 kA<br>for 3 s 50 kA                                                |
| Rated Uninterrupted Current (I <sub>u</sub> ):                     | 2500 A                                                                       | 2500 A                                                                        | 2500 A                                                                        | 2500 A                                                                        |
| Rated Voltage (U <sub>r</sub> ):                                   | 690 V                                                                        | 690 V                                                                         | 690 V                                                                         | 690 V                                                                         |
| Recommended Screw Driver:                                          | N/A                                                                          | N/A                                                                           | Main Circuit M12                                                              | Main Circuit M12                                                              |
| Short-Circuit Performance Level:                                   | N                                                                            | N                                                                             | N                                                                             | N                                                                             |
| Standards:                                                         | IEC                                                                          | IEC                                                                           | IEC                                                                           | IEC                                                                           |
| Sub-type:                                                          | E2.2                                                                         | E2.2                                                                          | E2.2                                                                          | E2.2                                                                          |
| Terminal Connection Type:                                          | N/A                                                                          | N/A                                                                           | Rear flat Horizontal                                                          | Rear flat Horizontal                                                          |
| Terminal Type:                                                     | N/A                                                                          | N/A                                                                           | Bolt                                                                          | Bolt                                                                          |
| Tightening Torque:                                                 | N/A                                                                          | N/A                                                                           | 70 N·m                                                                        | 70 N·m                                                                        |



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