

# Product datasheet

Specifications



Circuit breaker frame, MasterPact NW12H1, 1250A, 65kA/440VAC 50/60Hz (Icu), 3 poles, drawout, without control unit

48259

## Main

|                                |                                  |
|--------------------------------|----------------------------------|
| Range                          | MasterPacT                       |
| Product Name                   | MasterPact NW                    |
| Circuit Breaker Name           | MasterPact NW12H1                |
| Product Or Component Type      | Circuit breaker                  |
| Device Application             | Power distribution protection    |
| Poles Description              | 3P                               |
| Control Unit                   | Without control unit             |
| [In] Rated Current             | 1250 A at 40 °C                  |
| Performance Type               | H1 65 kA 440 V AC                |
| [Ue] Rated Operational Voltage | 690 V AC 50/60 Hz                |
| Suitability For Isolation      | Yes conforming to EN/IEC 60947-2 |
| Selectivity Category           | Category B                       |
| Control Type                   | Push-button                      |
| Mounting Mode                  | Drawout                          |

## Complementary

|  |  |
|--|--|
| [Icu] Rated Ultimate Short-Circuit Breaking Capacity | 65 kA at 220/415 V AC 50/60 Hz<br>65 kA at 440 V AC 50/60 Hz<br>65 kA at 525 V AC 50/60 Hz<br>65 kA at 690 V AC 50/60 Hz     |
| [Ics] Rated Service Breaking Capacity                | 65 kA at 220/415 V AC 50/60 Hz<br>65 kA at 440 V AC 50/60 Hz<br>65 kA at 525 V AC 50/60 Hz<br>65 kA at 690 V AC 50/60 Hz     |
| [Icw] Rated Short-Time Withstand Current             | 65 kA 1 s<br>36 kA 3 s   |
| [Icm] Rated Short-Circuit Making Capacity            | 143 kA 220/415 V AC at 50/60 Hz<br>143 kA 440 V AC at 50/60 Hz<br>143 kA 525 V AC at 50/60 Hz<br>143 kA 690 V AC at 50/60 Hz |
| Sensor Rating  | 630 A<br>1250 A  |
| [Ui] Rated Insulation Voltage                        | 1000 V AC 50/60 Hz   |
| [Uimp] Rated Impulse Withstand Voltage               | 12 kV  |
| Power Dissipation In W                               | 230 W  |
| Maximum Breaking Time                                | 25 ms  |

|                                      |  |
|--------------------------------------|--|
| <b>Maximum Closing Response Time</b> | 70 ms  |
| <b>Mounting Support</b>              | Backplate<br>Rails   |
| <b>Upside Connection</b>             | Front<br>Rear  |
| <b>Downside Connection</b>           | Front<br>Rear  |
| <b>Connection Pitch</b>              | 115 mm   |
| <b>Mechanical Durability</b>         | 12500 cycles without maintenance<br>25000 cycles with maintenance  |
| <b>Electrical Durability</b>         | 10000 cycles 440 V AC 50/60 Hz without maintenance conforming to EN/IEC 60947-2<br>10000 cycles 690 V AC 50/60 Hz without maintenance conforming to EN/IEC 60947-2<br>AC-23A: 10000 cycles 440 V AC 50/60 Hz without maintenance conforming to EN/IEC 60947-3<br>AC-23A: 10000 cycles 690 V AC 50/60 Hz without maintenance conforming to EN/IEC 60947-3<br>AC-3: 6000 cycles 440/690 V AC 50/60 Hz without maintenance conforming to EN/IEC 60947-3 |
| <b>Height</b>                        | 439 mm   |
| <b>Width</b>                         | 441 mm   |
| <b>Depth</b>                         | 395 mm   |
| <b>Net Weight</b>                    | 90 kg  |
| <b>Standards</b>                     | EN/IEC 60947-1<br>EN/IEC 60947-2   |
| <b>Product Certifications</b>        | CE<br>CCC<br>EAC   |

## Environment

|  |  |
|--|--|
| <b>Ip Degree Of Protection</b>               | IP30 conforming to IEC 60529                                 |
| <b>Pollution Degree</b>                      | 4 conforming to IEC 60664-1                                  |
| <b>Ambient Air Temperature For Operation</b> | -25...70 °C  |
| <b>Ambient Air Temperature For Storage</b>   | -40...85 °C  |
| <b>Operating Altitude</b>                    | 0...2000 m without derating<br>2000 m...5000 m with derating |

## Packing Units

|                                     |           |
|-------------------------------------|-----------|
| <b>Unit Type Of Package 1</b>       | PCE       |
| <b>Number Of Units In Package 1</b> | 1         |
| <b>Package 1 Height</b>             | 30.5 cm   |
| <b>Package 1 Width</b>              | 29.5 cm   |
| <b>Package 1 Length</b>             | 37.5 cm   |
| <b>Package 1 Weight</b>             | 47.036 kg |

## Contractual warranty

|                 |           |
|-----------------|-----------|
| <b>Warranty</b> | 18 months |
|-----------------|-----------|

## Sustainability

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

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[Guide to assess a product's sustainability >](#)



Transparency RoHS/REACH

## Well-being performance

Mercury Free

Rohs Exemption Information Yes

Pvc Free

## Certifications & Standards

|                          |   |
|--------------------------|---|
| Reach Regulation         | <a href="#">REACH Declaration</a>   |
| Eu Rohs Directive        | Compliant with Exemptions   |
| China Rohs Regulation    | <a href="#">China RoHS declaration</a><br>Product out of China RoHS scope. Substance declaration for your information       |
| Environmental Disclosure | <a href="#">Product Environmental Profile</a>   |
| Weee                     | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |
| Circularity Profile      | <a href="#">End of Life Information</a>   |