

# Product datasheet

Specifications



## circuit breaker Masterpact NW12H2 - 1250 A - 3 poles - fixed - w/o trip unit

48030

### Main

|                                |                                  |
|--------------------------------|----------------------------------|
| Range                          | MasterPacT                       |
| product name                   | MasterPact NW                    |
| Circuit breaker name           | MasterPact NW12H2                |
| 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               | H2 100 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                  | Fixed                            |

### Complementary

|  |  |
|--|--|
| [Icu] rated ultimate short-circuit breaking capacity | 100 kA at 220/415 V AC 50/60 Hz<br>100 kA at 440 V AC 50/60 Hz<br>85 kA at 525 V AC 50/60 Hz<br>85 kA at 690 V AC 50/60 Hz   |
| [Ics] rated service breaking capacity                | 100 kA at 220/415 V AC 50/60 Hz<br>100 kA at 440 V AC 50/60 Hz<br>85 kA at 525 V AC 50/60 Hz<br>85 kA at 690 V AC 50/60 Hz   |
| [Icw] rated short-time withstand current             | 85 kA 1 s<br>50 kA 3 s   |
| [Icm] rated short-circuit making capacity            | 220 kA 220/415 V AC at 50/60 Hz<br>187 kA 440 V AC at 50/60 Hz<br>187 kA 525 V AC at 50/60 Hz<br>187 kA 690 V AC at 50/60 Hz |
| Integrated instantaneous protection (DIN in kA peak) | 171...209 kA   |
| 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                               | 100 W  |

|                                      |  |
|--------------------------------------|--|
| <b>Maximum breaking time</b>         | 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>                        | 352 mm   |
| <b>Width</b>                         | 422 mm   |
| <b>Depth</b>                         | 297 mm   |
| <b>Product weight</b>                | 50 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>             | 47.252 kg |

## Contractual warranty

|                 |           |
|-----------------|-----------|
| <b>Warranty</b> | 12 months |
|-----------------|-----------|



## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

### Environmental footprint

Carbon footprint (kg.eq.CO2 per CR, Total Life cycle) **942**

Environmental Disclosure [Product Environmental Profile](#)

## Use Better

### Materials and Substances

Packaging made with recycled cardboard **Yes**

Packaging without single use plastic **Yes**

SCIP Number **6a3c1e0b-44cb-4a11-80eb-a083722777c1**

China RoHS Regulation [China RoHS declaration](#)

PVC free **Yes**

Silicon free **No**

## Use Again

### Repack and remanufacture

Circularity Profile [End of Life Information](#)

WEEE  The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Halogen content performance **Product contains halogen above thresholds**

Take-back **No**