

# Product datasheet

Specifications



## circuit breaker Masterpact NT12H2 - 1250 A - 4 poles - fixed - w/o trip unit

47147

### Main

|                                |                                  |
|--------------------------------|----------------------------------|
| Range                          | MasterPacT                       |
| product name                   | MasterPact NT                    |
| Circuit breaker name           | MasterPact NT12H2                |
| Product or component type      | Circuit breaker                  |
| Device application             | Power distribution protection    |
| Poles description              | 4P                               |
| Neutral position               | Left                             |
| Control unit                   | Without control unit             |
| [In] rated current             | 1250 A at 40 °C                  |
| Performance type               | H2 50 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 | 50 kA at 220/415 V AC 50/60 Hz<br>50 kA at 440 V AC 50/60 Hz<br>42 kA at 525 V AC 50/60 Hz<br>42 kA at 690 V AC 50/60 Hz   |
| [Ics] rated service breaking capacity                | 42 kA at 220/415 V AC 50/60 Hz<br>42 kA at 440 V AC 50/60 Hz<br>50 kA at 525 V AC 50/60 Hz<br>50 kA at 690 V AC 50/60 Hz   |
| [Icw] rated short-time withstand current             | 42 kA 0.5 s<br>42 kA 1 s<br>20 kA 3 s  |
| [Icm] rated short-circuit making capacity            | 105 kA 220/415 V AC at 50/60 Hz<br>105 kA 440 V AC at 50/60 Hz<br>88 kA 525 V AC at 50/60 Hz<br>88 kA 690 V AC at 50/60 Hz |
| Integrated instantaneous protection (DIN in kA peak) | 81...99 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  |

Excluding VAT, FCA Jabal Ali & are subject to change – check with your local distributor.

|                                      |  |
|--------------------------------------|--|
| <b>Power dissipation in W</b>        | 130 W  |
| <b>Maximum breaking time</b>         | 25 ms  |
| <b>Maximum closing response time</b> | 50 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>              | 70 mm  |
| <b>Mechanical durability</b>         | 12500 cycles without maintenance   |
| <b>Electrical durability</b>         | 6000 cycles 440 V AC 50/60 Hz without maintenance conforming to EN/IEC 60947-2<br>3000 cycles 690 V AC 50/60 Hz without maintenance conforming to EN/IEC 60947-2<br>AC-23A: 6000 cycles 440 V AC 50/60 Hz without maintenance conforming to EN/IEC 60947-3<br>AC-23A: 3000 cycles 690 V AC 50/60 Hz without maintenance conforming to EN/IEC 60947-3<br>AC-3: 6000 cycles 440 V AC 50/60 Hz without maintenance conforming to EN/IEC 60947-3 |
| <b>Height</b>                        | 301 mm   |
| <b>Width</b>                         | 346 mm   |
| <b>Depth</b>                         | 196 mm   |
| <b>Product weight</b>                | 18 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>                      | 3 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>             | 40.0 cm   |
| <b>Package 1 Width</b>              | 40.0 cm   |
| <b>Package 1 Length</b>             | 30.0 cm   |
| <b>Package 1 Weight</b>             | 21.506 kg |

## Contractual warranty

|                 |           |
|-----------------|-----------|
| <b>Warranty</b> | 18 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) **888**

Environmental Disclosure [Product Environmental Profile](#)

## Use Better

### Materials and Substances

Packaging made with recycled cardboard **Yes**

Packaging without single use plastic **Yes**

SCIP Number **27fdc503-4522-4881-a1c6-58cfc3a5b0b0**

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 **Halogen free plastic parts product**

Take-back **No**