

# Product datasheet

Specifications



## circuit breaker Masterpact NT08H2 - 800 A - 4 poles - drawout - w/o trip unit

Local distributor code: 391537046 47218

### Main

|                           |                               |
|---------------------------|-------------------------------|
| Range of product          | Masterpact NT                 |
| Product or component type | Basic frame                   |
| Device short name         | Masterpact NT08               |
| Circuit breaker name      | Masterpact NT08H2             |
| Poles description         | 4P                            |
| Neutral position          | Left                          |
| Network type              | AC                            |
| Breaking capacity code    | H2                            |
| Suitability for isolation | Yes conforming to IEC 60947-2 |
| Utilisation category      | Category B                    |

### Complementary

|   |  |
|---|--|
| Network frequency                         | 50/60 Hz   |
| Control type                              | Push-button  |
| Mounting mode                             | Drawout  |
| [In] rated current                        | 800 A at 40 °C   |
| [Ui] rated insulation voltage             | 1000 V AC 50/60 Hz conforming to IEC 60947-2   |
| [Uimp] rated impulse withstand voltage    | 12 kV conforming to IEC 60947-2  |
| [Icm] rated short-circuit making capacity | 88 kA 525 V AC at 50/60 Hz<br>88 kA 690 V AC at 50/60 Hz<br>105 kA 220/415 V AC at 50/60 Hz<br>105 kA 440 V AC at 50/60 Hz   |
| [Ue] rated operational voltage            | 690 V AC 50/60 Hz conforming to IEC 60947-2  |
| Circuit breaker CT rating                 | 800 A  |
| Breaking capacity                         | 42 kA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2<br>42 kA Icu at 690 V AC 50/60 Hz conforming to IEC 60947-2<br>50 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2<br>50 kA Icu at 220...240 V AC 50/60 Hz conforming to IEC 60947-2<br>50 kA Icu at 380...415 V AC 50/60 Hz conforming to IEC 60947-2 |
| [Ics] rated service breaking capacity     | 42 kA at 525 V AC 50/60 Hz conforming to IEC 60947-2<br>42 kA at 690 V AC 50/60 Hz conforming to IEC 60947-2<br>50 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2<br>50 kA at 220/415 V AC 50/60 Hz conforming to IEC 60947-2   |
| Protection type                           | Without protection   |

|   |   |
|---|---|
| <b>Mechanical durability</b>                    | 12500 cycles without maintenance conforming to IEC 60947-2  |
| <b>Electrical durability</b>                    | 3000 cycles 690 V AC 50/60 Hz without maintenance conforming to IEC 60947-2<br>6000 cycles 440 V AC 50/60 Hz without maintenance conforming to IEC 60947-2<br>AC-23A: 3000 cycles 690 V AC 50/60 Hz without maintenance conforming to IEC 60947-2<br>AC-23A: 6000 cycles 440 V AC 50/60 Hz without maintenance conforming to IEC 60947-2<br>AC-3: 6000 cycles 440 V AC 50/60 Hz without maintenance conforming to IEC 60947-2 |
| <b>Connection pitch</b>                         | 70 mm   |
| <b>[Icw] rated short-time withstand current</b> | 20 kA 3 s conforming to IEC 60947-2<br>42 kA 0.5 s conforming to IEC 60947-2<br>42 kA 1 s conforming to IEC 60947-2   |
| <b>Integral instant protection</b>              | 81...99 kA  |
| <b>Maximum breaking time</b>                    | 25 ms   |
| <b>Maximum closing response time</b>            | 50 ms   |
| <b>Height</b>                                   | 322 mm  |
| <b>Width</b>                                    | 358 mm  |
| <b>Depth</b>                                    | 276.5 mm  |

## Environment

|  |                             |
|--|-----------------------------|
| <b>Standards</b>                             | IEC 60947-2                 |
| <b>Product certifications</b>                | LCIE<br>ASEFA               |
| <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                 |

## Packing Units

|                                     |           |
|-------------------------------------|-----------|
| <b>Unit Type of Package 1</b>       | PCE       |
| <b>Number of Units in Package 1</b> | 1         |
| <b>Package 1 Weight</b>             | 17.828 kg |
| <b>Package 1 Height</b>             | 40 cm     |
| <b>Package 1 width</b>              | 40 cm     |
| <b>Package 1 Length</b>             | 30 cm     |

## Offer Sustainability

|                                   |   |
|-----------------------------------|---|
| <b>Sustainable offer status</b>   | Green Premium product   |
| <b>REACH Regulation</b>           | <a href="#">REACH Declaration</a>   |
| <b>EU RoHS Directive</b>          | Compliant<br><a href="#">EU RoHS Declaration</a>  |
| <b>Mercury free</b>               | Yes   |
| <b>RoHS exemption information</b> | Yes   |
| <b>China RoHS Regulation</b>      | <a href="#">China RoHS declaration</a><br>Product out of China RoHS scope. Substance declaration for your information |
| <b>Environmental Disclosure</b>   | <a href="#">Product Environmental Profile</a>   |
| <b>Circularity Profile</b>        | <a href="#">End of Life Information</a>   |
| <b>PVC free</b>                   | Yes   |

## Contractual warranty

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