



### Main

|                           |                               |
|---------------------------|-------------------------------|
| Range of product          | Masterpact NT                 |
| Product or component type | Basic frame                   |
| Device short name         | Masterpact NT16               |
| Circuit breaker name      | Masterpact NT16H1             |
| Poles description         | 4P                            |
| Neutral position          | Left                          |
| Network type              | AC                            |
| Breaking capacity code    | H1                            |
| 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                        | 1600 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 220/415 V AC at 50/60 Hz<br>88 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   |
| [Ue] rated operational voltage            | 690 V AC 50/60 Hz conforming to IEC 60947-2  |
| Circuit breaker CT rating                 | 1600 A   |
| Breaking capacity                         | 42 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2<br>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>42 kA Icu at 220...240 V AC 50/60 Hz conforming to IEC 60947-2 |

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

|  |   |
|--|---|
|  | 42 kA Icu at 380...415 V AC 50/60 Hz conforming to IEC 60947-2  |
| [Ics] rated service breaking capacity    | 42 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2<br>42 kA at 220/415 V AC 50/60 Hz conforming to IEC 60947-2<br>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  |
| Protection type                          | Without protection  |
| Mechanical durability                    | 12500 cycles without maintenance conforming to IEC 60947-2  |
| Electrical durability                    | 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 |
| Connection pitch                         | 70 mm   |
| [Icw] rated short-time withstand current | 24 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   |
| Maximum breaking time                    | 25 ms   |
| Maximum closing response time            | 50 ms   |
| Height                                   | 322 mm  |
| Width                                    | 358 mm  |
| Depth                                    | 276.5 mm  |

## Environment

|                                       |                             |
|---------------------------------------|-----------------------------|
| Standards                             | IEC 60947-2                 |
| Product certifications                | LCIE<br>ASEFA               |
| Pollution degree                      | 3 conforming to IEC 60664-1 |
| Ambient air temperature for operation | -25...70 °C                 |
| Ambient air temperature for storage   | -40...85 °C                 |

## Offer Sustainability

|                            |   |
|----------------------------|---|
| Sustainable offer status   | Green Premium product   |
| REACH Regulation           | <a href="#">REACH Declaration</a>   |
| EU RoHS Directive          | Compliant<br><a href="#">EU RoHS Declaration</a>  |
| Mercury free               | Yes   |
| RoHS exemption information | <a href="#">Yes</a>   |
| 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>   |
| Circularity Profile        | <a href="#">End of Life Information</a>   |

## Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|