



### Main

|                           |                               |
|---------------------------|-------------------------------|
| Range of product          | Masterpact NT                 |
| Product or component type | Basic frame                   |
| Device short name         | Masterpact NT16               |
| Circuit breaker name      | Masterpact NT16H2             |
| 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                             | Fixed                                                                                                                                                                                                                                                                                                                                                                                                                         |
| [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 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                 | 1600 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                                                                                                                                                                                                                                                                                                                                                                                                            |
| 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  | 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                                                                                                                                                                                                                                                                                                           |
| Integral instant protection               | 81...99 kA                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Maximum breaking time                     | 25 ms                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Maximum closing response time             | 50 ms                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Height                                    | 301 mm                                                                                                                                                                                                                                                                                                                                                                                                                        |

|       |        |
|-------|--------|
| Width | 346 mm |
| Depth | 196 mm |

## Environment

|                                       |                             |
|---------------------------------------|-----------------------------|
| Standards                             | IEC 60947-2                 |
| Product certifications                | ASEFA<br>LCIE               |
| 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  <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>        |
| Environmental Disclosure   |  <a href="#">Product Environmental Profile</a> |
| Circularity Profile        |  <a href="#">End Of Life Information</a>       |
| PVC free                   | Yes                                                                                                                             |

## Contractual warranty

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