

Product data sheet

Specifications



circuit breaker Masterpact NT16H2 - 1600 A - 4 poles - drawout - w/o trip unit

47247

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 | 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 525 V AC at 50/60 Hz 88 kA 690 V AC at 50/60 Hz 105 kA 220/415 V AC at 50/60 Hz 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 42 kA Icu at 690 V AC 50/60 Hz conforming to IEC 60947-2 50 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 50 kA Icu at 220...240 V AC 50/60 Hz conforming to IEC 60947-2 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 42 kA at 690 V AC 50/60 Hz conforming to IEC 60947-2 50 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 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 6000 cycles 440 V AC 50/60 Hz without maintenance conforming to IEC 60947-2 AC-23A: 3000 cycles 690 V AC 50/60 Hz without maintenance conforming to IEC 60947-2 AC-23A: 6000 cycles 440 V AC 50/60 Hz without maintenance conforming to IEC 60947-2 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 42 kA 0.5 s conforming to IEC 60947-2 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 | 322 mm |
| Width | 358 mm |
| Depth | 276.5 mm |

Environment

| | |
|--|-----------------------------|
| Standards | IEC 60947-2 |
| Product certifications | LCIE 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 |

Packing Units

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

Offer Sustainability

| | |
|-----------------------------------|--|
| Sustainable offer status | Green Premium product |
| REACH Regulation | REACH Declaration |
| EU RoHS Directive | Compliant EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| China RoHS Regulation | China RoHS declaration Product out of China RoHS scope. Substance declaration for your information |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End of Life Information |
| PVC free | Yes |
| California proposition 65 | WARNING: This product can expose you to chemicals including: DINP, which is known to the State of California to cause cancer, and DIDP, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov |

Contractual warranty

Warranty

18 months