

Product datasheet

Specifications



circuit breaker Masterpact NT10H1 - 1000 A - 3 poles - fixed - w/o trip unit

47130

Main

| | |
|---------------------------|-------------------------------|
| Range of product | Masterpact NT |
| Product or component type | Basic frame |
| Device short name | Masterpact NT10 |
| Circuit breaker name | Masterpact NT10H1 |
| Poles description | 3P |
| Network type | AC |
| Breaking capacity code | H1 |
| Suitability for isolation | Yes conforming to IEC 60947-2 |
| Utilisation category | Category B |

Complementary

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|---|--|
| Network frequency | 50/60 Hz |
| Control type | Push-button |
| Mounting mode | Fixed |
| [In] rated current | 1000 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 88 kA 440 V AC at 50/60 Hz 88 kA 525 V AC at 50/60 Hz 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 | 1000 A |
| Breaking capacity | 42 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 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 42 kA Icu at 220...240 V AC 50/60 Hz conforming to IEC 60947-2 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 42 kA at 220/415 V AC 50/60 Hz conforming to IEC 60947-2 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 |
| Protection type | Without protection |
| Mechanical durability | 12500 cycles without maintenance conforming to IEC 60947-2 |

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|---|---|
| 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 | 24 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 |
| Maximum breaking time | 25 ms |
| Maximum closing response time | 50 ms |
| Height | 301 mm |
| Width | 276 mm |
| Depth | 196 mm |

Environment

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|--|-----------------------------|
| 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 | 21.506 kg |
| Package 1 Height | 25 cm |
| Package 1 width | 40 cm |
| Package 1 Length | 40 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 |

Contractual warranty

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