

Product data sheet

Specifications



Circuit breaker frame, MasterPact NT12H1, 1250A, 42kA/440VAC 50/60Hz (Icu), 4 poles, drawout, without control unit

47235

Main

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|--------------------------------|----------------------------------|
| Range | MasterPacT |
| Product name | MasterPact NT |
| Circuit breaker name | MasterPact NT12H1 |
| Product or component type | Circuit breaker |
| Device application | Power distribution protection |
| Poles description | 4P |
| Neutral position | Left |
| Control unit | Without control unit |
| [In] rated current | 1250 A at 40 °C |
| Performance type | H1 42 kA 440 V AC |
| [Ue] rated operational voltage | 690 V AC 50/60 Hz |
| Suitability for isolation | Yes conforming to EN/IEC 60947-2 |
| Selectivity category | Category B |
| Control type | Push-button |
| Mounting mode | Drawout |

Complementary

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| [Icu] rated ultimate short-circuit breaking capacity | 42 kA at 220/415 V AC 50/60 Hz 42 kA at 440 V AC 50/60 Hz 42 kA at 525 V AC 50/60 Hz 42 kA at 690 V AC 50/60 Hz |
| [Ics] rated service breaking capacity | 42 kA at 220/415 V AC 50/60 Hz 42 kA at 440 V AC 50/60 Hz 42 kA at 525 V AC 50/60 Hz 42 kA at 690 V AC 50/60 Hz |
| [Icw] rated short-time withstand current | 42 kA 0.5 s 42 kA 1 s 24 kA 3 s |
| [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 |
| Sensor rating | 630 A 1250 A |
| [Ui] rated insulation voltage | 1000 V AC 50/60 Hz |

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| [Uimp] rated impulse withstand voltage | 12 kV |
| Power dissipation in W | 250 W |
| Maximum breaking time | 25 ms |
| Maximum closing response time | 50 ms |
| Mounting support | Backplate Rails |
| Upside connection | Front Rear |
| Downside connection | Front Rear |
| Connection pitch | 70 mm |
| Mechanical durability | 12500 cycles without maintenance |
| Electrical durability | 6000 cycles 440 V AC 50/60 Hz without maintenance conforming to EN/IEC 60947-2 3000 cycles 690 V AC 50/60 Hz without maintenance conforming to EN/IEC 60947-2 AC-23A: 6000 cycles 440 V AC 50/60 Hz without maintenance conforming to EN/IEC 60947-3 AC-23A: 3000 cycles 690 V AC 50/60 Hz without maintenance conforming to EN/IEC 60947-3 AC-3: 6000 cycles 440 V AC 50/60 Hz without maintenance conforming to EN/IEC 60947-3 |
| Height | 322 mm |
| Width | 358 mm |
| Depth | 277 mm |
| Net weight | 39 kg |
| Standards | EN/IEC 60947-1 EN/IEC 60947-2 |
| Product certifications | CE CCC EAC |

Environment

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| IP degree of protection | IP30 conforming to IEC 60529 |
| Pollution degree | 3 conforming to IEC 60664-1 |
| Ambient air temperature for operation | -25...70 °C |
| Ambient air temperature for storage | -40...85 °C |
| Operating altitude | 0...2000 m without derating 2000 m...5000 m with derating |

Packing Units

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|-------------------------------------|-----------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 40.0 cm |
| Package 1 Width | 40.0 cm |
| Package 1 Length | 30.0 cm |
| Package 1 Weight | 17.828 kg |

Offer Sustainability

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| Sustainable offer status | Green Premium product |
| REACH Regulation | REACH Declaration |
| EU RoHS Directive | Compliant EU RoHS Declaration |
| Mercury free | Yes |

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|-----------------------------------|--|
| China RoHS Regulation | China RoHS declaration Product out of China RoHS scope. Substance declaration for your information |
| RoHS exemption information | Yes |
| 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

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|-----------------|-----------|
| Warranty | 18 months |
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Recommended replacement(s)