Product datasheet

Specifications





Circuit breaker Masterpact MTZ1 10H1 - 1000 A - 3P drawout - w/o Micrologic

LV847220

Main

| Range | MasterPacT |
|--------------------------------|--|
| Product Name | MasterPact MTZ1 |
| Device Short Name | MTZ1 10 H1 |
| Product Or Component Type | Circuit breaker |
| Device Application | Power distribution protection |
| Poles Description | 3P |
| Control Unit | Without control unit |
| Product Compatibility | control unit MicroLogic 2.0 X control unit MicroLogic 5.0 X control unit MicroLogic 6.0 X control unit MicroLogic 7.0 X control unit MicroLogic 2.0 Xi control unit MicroLogic 5.0 Xi control unit MicroLogic 6.0 Xi control unit MicroLogic 7.0 Xi |
| [In] Rated Current | 1000 A at 40 °C |
| Performance Type | H1 42 kA 415 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

| [Icu] Rated Ultimate Short-Circuit Breaking Capacity | 42 kA at 220/415 V AC 50/60 Hz | |
|---|--------------------------------|--|
| Dreaking Capacity | 42 kA at 440 V AC 50/60 Hz | |
| | 42 kA at 500/525 V AC 50/60 Hz | |
| | 42 kA at 660/690 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 500/525 V AC 50/60 Hz | |
| | 42 kA at 660/690 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 500/525 V AC at 50/60 Hz | |
| | 88 kA 660/690 V AC at 50/60 Hz | |

Price is "List Price" and may be subject to a trade discount - check with your local distributor or retailer for actual price.

| Sensor Rating | 400 A |
|---|---|
| 5 | 630 A |
| | 800 A |
| | 1000 A |
| | 100071 |
| [Ui] Rated Insulation Voltage | 1000 V AC 50/60 Hz |
| [Uimp] Rated Impulse Withstand Voltage | 12 kV |
| Power Dissipation In W | 150 W |
| Maximum Breaking Time | 25 ms |
| Maximum Closing Response Time | 50 ms |
| Mounting Support | Rails |
| | Base plate |
| Upside Connection | Front |
| | Rear |
| | |
| Downside Connection | Front |
| | Rear |
| Connection Pitch | 70 mm |
| Mechanical Durability | 12500 cycles with periodic preventive maintenance |
| Electrical Durability | 3000 cycles 690 V AC 50/60 Hz conforming to EN/IEC 60947-2 |
| | 6000 cycles 440 V AC 50/60 Hz conforming to EN/IEC 60947-2 |
| | AC-23A: 3000 cycles 690 V AC 50/60 Hz conforming to EN/IEC 60947-3 |
| | AC-23A: 6000 cycles 440 V AC 50/60 Hz conforming to EN/IEC 60947-3 |
| | AC-3: 6000 cycles 440 V AC 50/60 Hz conforming to EN/IEC 60947-3 |
| Height | Drawout circuit breaker with chassis: 322 mm |
| neight | Drawout circuit breaker with chassis: 322 mm |
| | |
| Width | Drawout circuit breaker with chassis: 288 mm |
| | Drawout circuit breaker without chassis: 236.5 mm |
| Depth | Drawout circuit breaker with chassis: 291 mm |
| Deptil | Drawout circuit breaker without chassis: 297 him Drawout circuit breaker without chassis: 207.5 mm |
| | |
| Net Weight | 30 kg |
| Standards | EN/IEC 60947-1 |
| | EN/IEC 60947-2 |
| | EN/IEC 60947-2 Annex H |
| | IEC 61557-12 |
| Product Certifications | CE |
| | CE IECEE CB Scheme |
| | |
| | |

Environment

| Ip Degree Of Protection | IP30 conforming to EN 60529 |
|--|--|
| Pollution Degree | 3 conforming to IEC 60947-1 |
| Ambient Air Temperature For Operation | -2570 °C |
| Ambient Air Temperature For Storage | -4085 °C |
| Operating Altitude | 02000 m without derating 20005000 m with derating |

Packing Units

| Unit Type Of Package 1 | PCE |
|------------------------------|---------|
| Number Of Units In Package 1 | 1 |
| Package 1 Height | 25.0 cm |
| Package 1 Width | 40.0 cm |
| Package 1 Length | 40.0 cm |

Package 1 Weight

23.068 kg

Sustainability Screen Premium

Green PremiumTM label is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >



Transparency RoHS/REACh

Well-being performance

Mercury Free
Rohs Exemption Information Yes
Pvc Free

Certifications & Standards

| Reach Regulation | REACh Declaration |
|--------------------------|---|
| Eu Rohs Directive | Compliant with Exemptions |
| 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 |