

Product data sheet

Specifications



Circuit breaker frame, MasterPact MTZ2 10L1 drawout for MicroLogic X, 1000A, 150kA/415VAC (Icu), 3P

LV848247

Main

| | |
|--------------------------------|--|
| Range | MasterPacT |
| Product Name | MasterPact MTZ2 |
| Device Short Name | MTZ2 10 L1 |
| 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 | L1 150 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 | 150 kA at 220/415 V AC 50/60 Hz 150 kA at 440 V AC 50/60 Hz 130 kA at 500/525 V AC 50/60 Hz 100 kA at 660/690 V AC 50/60 Hz |
| [Ics] Rated Service Breaking Capacity | 150 kA at 220/415 V AC 50/60 Hz 150 kA at 440 V AC 50/60 Hz 130 kA at 500/525 V AC 50/60 Hz 100 kA at 660/690 V AC 50/60 Hz |
| [Icw] Rated Short-Time Withstand Current | 30 kA 0.5 s 30 kA 1 s 30 kA 3 s |
| [Icm] Rated Short-Circuit Making Capacity | 330 kA 220/415 V AC at 50/60 Hz 330 kA 440 V AC at 50/60 Hz 286 kA 500/525 V AC at 50/60 Hz 220 kA 660/690 V AC at 50/60 Hz |
| Integrated Instantaneous Protection (Din In Ka Peak) | 72...88 kA |

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

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|--|--|
| Sensor Rating | 400 A 630 A 800 A 1000 A |
| [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 | 10 ms |
| Maximum Closing Response Time | 70 ms |
| Mounting Support | Rails Base plate |
| Upside Connection | Front Rear |
| Downside Connection | Front Rear |
| Connection Pitch | 115 mm |
| Mechanical Durability | 25000 cycles with periodic preventive maintenance |
| Electrical Durability | 3000 cycles 690 V AC 50/60 Hz conforming to EN/IEC 60947-2 3000 cycles 440 V AC 50/60 Hz conforming to EN/IEC 60947-2 |
| Height | Drawout circuit breaker with chassis: 439 mm Drawout circuit breaker without chassis: 300 mm |
| Width | Drawout circuit breaker with chassis: 441 mm Drawout circuit breaker without chassis: 378 mm |
| Depth | Drawout circuit breaker with chassis: 403 mm Drawout circuit breaker without chassis: 300 mm |
| Net Weight | 90 kg |
| Standards | EN/IEC 60947-1 EN/IEC 60947-2 EN/IEC 60947-2 Annex H IEC 61557-12 |
| Product Certifications | 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 | -25...70 °C |
| Ambient Air Temperature For Storage | -40...85 °C |
| Operating Altitude | 0...2000 m without derating 2000...5000 m with derating |

Packing Units

| | |
|------------------------------|-----------|
| Unit Type Of Package 1 | PCE |
| Number Of Units In Package 1 | 1 |
| Package 1 Height | 29.5 cm |
| Package 1 Width | 30.5 cm |
| Package 1 Length | 37.5 cm |
| Package 1 Weight | 49.682 kg |

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class 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 |
| 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 |