

# Product data sheet

Specifications



Circuit breaker frame, MasterPact MTZ2 10H1 drawout for MicroLogic X, 1000A, 66kA/415VAC (Icu), 4P right neutral

LV848227

## Main

|                                |  |
|--------------------------------|--|
| Range                          | MasterPacT   |
| Product Name                   | MasterPact MTZ2  |
| Device Short Name              | MTZ2 10 H1   |
| Product Or Component Type      | Circuit breaker  |
| Device Application             | Power distribution protection  |
| Poles Description              | 4P   |
| Neutral Position               | Right  |
| Control Unit                   | Without control unit   |
| Product Compatibility          | control unit MicroLogic 2.0 X<br>control unit MicroLogic 5.0 X<br>control unit MicroLogic 6.0 X<br>control unit MicroLogic 7.0 X<br>control unit MicroLogic 2.0 Xi<br>control unit MicroLogic 5.0 Xi<br>control unit MicroLogic 6.0 Xi<br>control unit MicroLogic 7.0 Xi |
| [In] Rated Current             | 1000 A at 40 °C  |
| Performance Type               | H1 66 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 | 66 kA at 220/415 V AC 50/60 Hz<br>66 kA at 440 V AC 50/60 Hz<br>66 kA at 500/525 V AC 50/60 Hz<br>66 kA at 660/690 V AC 50/60 Hz     |
| [Ics] Rated Service Breaking Capacity                | 66 kA at 220/415 V AC 50/60 Hz<br>66 kA at 440 V AC 50/60 Hz<br>66 kA at 500/525 V AC 50/60 Hz<br>66 kA at 660/690 V AC 50/60 Hz     |
| [Icw] Rated Short-Time Withstand Current             | 66 kA 0.5 s<br>66 kA 1 s<br>36 kA 3 s  |
| [Icm] Rated Short-Circuit Making Capacity            | 145 kA 220/415 V AC at 50/60 Hz<br>145 kA 440 V AC at 50/60 Hz<br>145 kA 500/525 V AC at 50/60 Hz<br>145 kA 660/690 V AC at 50/60 Hz |

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

|  |  |
|--|--|
| Sensor Rating                          | 400 A<br>630 A<br>800 A<br>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                  | 25 ms  |
| Maximum Closing Response Time          | 70 ms  |
| Mounting Support                       | Rails<br>Base plate  |
| Upside Connection                      | Front<br>Rear  |
| Downside Connection                    | Front<br>Rear  |
| Connection Pitch                       | 115 mm   |
| Mechanical Durability                  | 25000 cycles with periodic preventive maintenance  |
| Electrical Durability                  | 10000 cycles 440 V AC 50/60 Hz conforming to EN/IEC 60947-2<br>10000 cycles 690 V AC 50/60 Hz conforming to EN/IEC 60947-2<br>AC-23A: 10000 cycles 440 V AC 50/60 Hz conforming to EN/IEC 60947-3<br>AC-23A: 10000 cycles 690 V AC 50/60 Hz conforming to EN/IEC 60947-3<br>AC-3: 6000 cycles 440/690 V AC 50/60 Hz conforming to EN/IEC 60947-3 |
| Height                                 | Drawout circuit breaker with chassis: 439 mm<br>Drawout circuit breaker without chassis: 300 mm  |
| Width                                  | Drawout circuit breaker with chassis: 556 mm<br>Drawout circuit breaker without chassis: 493 mm  |
| Depth                                  | Drawout circuit breaker with chassis: 403 mm<br>Drawout circuit breaker without chassis: 300 mm  |
| Net Weight                             | 120 kg   |
| Standards                              | EN/IEC 60947-1<br>EN/IEC 60947-2<br>EN/IEC 60947-2 Annex H<br>IEC 61557-12   |
| Product Certifications                 | CE<br>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<br>2000...5000 m with derating |

## Packing Units

|                              |         |
|------------------------------|---------|
| Unit Type Of Package 1       | PCE     |
| Number Of Units In Package 1 | 1       |
| Package 1 Height             | 30.0 cm |
| Package 1 Width              | 30.0 cm |
| Package 1 Length             | 50.0 cm |

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|                  |           |
|------------------|-----------|
| Package 1 Weight | 54.654 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-CO<sub>2</sub> 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          | <a href="#">REACH Declaration</a>  |
| Eu Rohs Directive         | Compliant with Exemptions  |
| China Rohs Regulation     | <a href="#">China RoHS declaration</a><br>Product out of China RoHS scope. Substance declaration for your information  |
| Environmental Disclosure  | <a href="#">Product Environmental Profile</a>  |
| Circularity Profile       | <a href="#">End of Life Information</a>  |
| 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 <a href="#">www.P65Warnings.ca.gov</a> |