



## Main

|                                |  |
|--------------------------------|--|
| Range                          | MasterPacT   |
| Product name                   | MasterPact MTZ1  |
| Device short name              | MTZ1 10 H3   |
| Product or component type      | Circuit breaker  |
| Device application             | Power distribution protection  |
| Poles description              | 4P   |
| Neutral position               | Left   |
| 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               | H3 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   |
| [Ics] rated service breaking capacity                | 50 kA at 440 V AC 50/60 Hz<br>50 kA at 220/415 V AC 50/60 Hz   |
| [Icw] rated short-time withstand current             | 30 kA 3 s<br>50 kA 1 s<br>50 kA 0.5 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 |
| Integrated instantaneous protection (DIN in kA peak) | 99...121 kA  |
| 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                        | 50 ms  |
| Mounting support                                     | Rails<br>Base plate  |
| Upside connection                                    | Front<br>Rear  |

|                        |  |
|------------------------|--|
| Downside connection    | Front<br>Rear  |
| Connection pitch       | 70 mm  |
| Mechanical durability  | 10000 cycles with periodic preventive maintenance  |
| Electrical durability  | 6000 Cycles 440 V AC 50/60 Hz at In conforming to EN/IEC 60947-2<br>AC-23A: 6000 cycles 440 V AC 50/60 Hz at In conforming to EN/IEC 60947-3<br>AC-3: 6000 cycles 440 V AC 50/60 Hz at In conforming to EN/IEC 60947-3 |
| Height                 | Drawout circuit breaker with chassis: 322 mm<br>Drawout circuit breaker without chassis: 259.5 mm  |
| Width                  | Drawout circuit breaker with chassis: 358 mm<br>Drawout circuit breaker without chassis: 306.5 mm  |
| Depth                  | Drawout circuit breaker with chassis: 291 mm<br>Drawout circuit breaker without chassis: 207.5 mm  |
| Net weight             | 39 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[RETURN]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             | 40.0 cm |
| Package 1 Width              | 30.0 cm |
| Package 1 Length             | 40.0 cm |
| Package 1 Weight             | 15.0 kg |

## Offer Sustainability

|                            |   |
|----------------------------|---|
| Sustainable offer status   | Green Premium product   |
| REACH Regulation           |  <a href="#">REACH Declaration</a>             |
| EU RoHS Directive          | Compliant with Exemptions   |
| Mercury free               | Yes   |
| China RoHS Regulation      |  <a href="#">China RoHS Declaration</a>        |
| RoHS exemption information |  <a href="#">Yes</a>                           |
| Environmental Disclosure   |  <a href="#">Product Environmental Profile</a> |
| Circularity Profile        |  <a href="#">End Of Life Information</a>       |
| PVC free                   | Yes   |