



### Main

|                                |  |
|--------------------------------|--|
| Range                          | MasterPacT   |
| Product name                   | MasterPact MTZ2  |
| Device short name              | MTZ2 32 H3   |
| 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<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             | 3200 A at 40 °C  |
| Performance type               | H3 150 kA 415 V AC   |
| [Ue] rated operational voltage | 440 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<br>150 kA at 440 V AC 50/60 Hz<br>130 kA at 500/525 V AC 50/60 Hz<br>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<br>150 kA at 440 V AC 50/60 Hz<br>130 kA at 500/525 V AC 50/60 Hz<br>100 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>66 kA 3 s  |
| [Icm] rated short-circuit making capacity            | 330 kA 220/415 V AC at 50/60 Hz<br>330 kA 440 V AC at 50/60 Hz<br>286 kA 500/525 V AC at 50/60 Hz<br>220 kA 660/690 V AC at 50/60 Hz |
| Integrated instantaneous protection (DIN in kA peak) | 135...165 kA   |
| Sensor rating  | 1600 A<br>2000 A<br>2500 A<br>3200 A   |
| [Ui] rated insulation voltage                        | 1000 V AC 50/60 Hz   |
| [Uimp] rated impulse withstand voltage               | 12 kV  |
| Power dissipation in W                               | 670 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  | 20000 cycles with periodic preventive maintenance  |
| Electrical durability  | 1250 Cycles 440 V AC 50/60 Hz conforming to EN/IEC 60947-2<br>1250 cycles 690 V AC 50/60 Hz conforming to EN/IEC 60947-2 |
| Height                 | Drawout circuit breaker with chassis: 439 mm<br>Drawout circuit breaker without chassis: 300 mm                          |
| Width                  | Drawout circuit breaker with chassis: 441 mm<br>Drawout circuit breaker without chassis: 378 mm                          |
| Depth                  | Drawout circuit breaker with chassis: 403 mm<br>Drawout circuit breaker without chassis: 300 mm                          |
| Net weight             | 90 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             | 30.5 cm   |
| Package 1 Width              | 29.5 cm   |
| Package 1 Length             | 37.5 cm   |
| Package 1 Weight             | 51.233 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   |