



### Main

|                                |                                  |
|--------------------------------|----------------------------------|
| Range                          | MasterPacT                       |
| Product name                   | MasterPact MTZ3                  |
| Device short name              | MTZ3 40 H2                       |
| Product or component type      | Circuit breaker                  |
| Device application             | Power distribution protection    |
| Poles description              | 4P                               |
| Neutral position               | Left                             |
| Control unit                   | Without control unit             |
| [In] rated current             | 4000 A at 40 °C                  |
| Performance type               | H2 150 kA 440 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<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             | 100 kA 0.5 s<br>100 kA 1 s<br>100 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) | 243...297 kA   |
| Sensor rating  | 2000 A<br>2500 A<br>3200 A<br>4000 A   |
| [Ui] rated insulation voltage                        | 1000 V AC 50/60 Hz   |
| [Uimp] rated impulse withstand voltage               | 12 kV  |
| Power dissipation in W                               | 600 W  |
| Maximum breaking time                                | 25 ms  |
| Maximum closing response time                        | 80 ms  |
| Mounting support                                     | Rails<br>Base plate  |
| Upside connection                                    | Rear   |
| Downside connection                                  | Rear   |
| Connection pitch                                     | 230 mm   |
| Mechanical durability                                | 10000 cycles with periodic preventive maintenance  |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

|                        |  |
|------------------------|--|
| Electrical durability  | AC-3: 6000 cycles 440/690 V AC 50/60 Hz conforming to EN/IEC 60947-3<br>1500 Cycles 440 V AC 50/60 Hz conforming to EN/IEC 60947-2<br>1500 Cycles 690 V AC 50/60 Hz conforming to EN/IEC 60947-2<br>AC-23A: 1500 cycles 440 V AC 50/60 Hz conforming to EN/IEC 60947-3<br>AC-23A: 1500 cycles 690 V AC 50/60 Hz conforming to EN/IEC 60947-3 |
| Height                 | Drawout circuit breaker with chassis: 479 mm<br>Drawout circuit breaker without chassis: 300 mm  |
| Width                  | Drawout circuit breaker with chassis: 1016 mm<br>Drawout circuit breaker without chassis: 838 mm   |
| Depth                  | Drawout circuit breaker with chassis: 403 mm<br>Drawout circuit breaker without chassis: 300 mm  |
| Net weight             | 300 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             | 60.0 cm    |
| Package 1 Width              | 50.0 cm    |
| Package 1 Length             | 120.0 cm   |
| Package 1 Weight             | 144.324 kg |

## Offer Sustainability

|                            |   |
|----------------------------|---|
| Sustainable offer status   | Green Premium product                         |
| REACH Regulation           | <a href="#">REACH Declaration</a>             |
| EU RoHS Directive          | Compliant <a href="#">EU RoHS Declaration</a> |
| 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   |