# Product datasheet

Specifications

## Circuit breaker Masterpact MTZ2 08H1 - 800 A - 3P fixed - w/o Micrologic

LV848001

## Main

| | |
|---|---|
| **Range** | MasterPacT |
| **product name** | MasterPact MTZ2 |
| **Device short name** | MTZ2 08 H1 |
| **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** | 800 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** | Fixed |

## 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 |

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

| | |
|---|---|
| **Sensor rating** | 400 A<br>630 A<br>800 A |
| **[Ui] rated insulation voltage** | 1000 V AC 50/60 Hz |
| **[Uimp] rated impulse withstand voltage** | 12 kV |
| **Power dissipation in W** | 42 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** | 352 mm |
| **Width** | 422 mm |
| **Depth** | 300 mm |
| **Net weight** | 50 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** | 30.5 cm |
| **Package 1 Width** | 29.5 cm |
| **Package 1 Length** | 37.5 cm |
| **Package 1 Weight** | 47.252 kg |

# Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

Environmental Data explained ›

How we assess product sustainability ›

## Environmental footprint

| | |
|---|---|
| Carbon footprint (kg.eq.CO2 per CR, Total Life cycle) | **687** |
| Environmental Disclosure | **Product Environmental Profile** |

## Use Better

### Materials and Substances

| | |
|---|---|
| Recycled metal content at CR level | **0** |
| Packaging made with recycled cardboard | **Yes** |
| Packaging without single use plastic | **Yes** |
| EU RoHS Directive | **Compliant with Exemptions** |
| SCIP Number | **F31d8a4d-e9cb-4afc-bf2c-5965742ce772** |
| REACh Regulation | **REACh Declaration** |
| Halogen content performance | **Product contains halogen above thresholds** |
| PVC free | **Yes** |
| Silicon free | **No** |

## Use Again

### Repack and remanufacture

| | |
|---|---|
| Circularity Profile | **End of Life Information** |
| Take-back | **No** |
| WEEE | **The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins** |