

# Product datasheet

Specifications



## Circuit breaker Masterpact MTZ2 40H3. 4000 A. 3P drawout. without Micrologic

LV848324

Price: 407,332.06 ZAR

### Main

|                                |                                                                                                                                                                                                                                                                          |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range                          | MasterPacT                                                                                                                                                                                                                                                               |
| Product Name                   | MasterPact MTZ2                                                                                                                                                                                                                                                          |
| Device Short Name              | MTZ2 40 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             | 4000 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                                                                                                                         |

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

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                          | 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                 | 900 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                       | 150 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<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             | 51.892 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.

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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>                                                                               |