

# Product datasheet

Specifications



## Circuit breaker Masterpact MTZ3 40H2. 4000 A. 4P drawout. without Micrologic

LV848340

Price: 505,482.29 ZAR

### 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                                                                                                                                                                                                                                                     |
| 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               | H2 150 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 | 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 |

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

|                                                      |                                                                                                                                                                                                                                                                                                                                              |
|------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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                                                                                                                                                                                                                                                                                            |
| 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 |

Sustainability



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Transparency   RoHS/REACH

## Well-being performance

✓

Mercury Free

✓

Rohs Exemption Information

Yes

✓

Pvc Free

## Certifications & Standards

Reach Regulation

[REACH Declaration](#)

Eu Rohs Directive

Compliant with Exemptions

China Rohs Regulation

[China RoHS declaration](#)  
Product out of China RoHS scope. Substance declaration for your information

Environmental Disclosure

[Product Environmental Profile](#)

Circularity Profile

[End of Life Information](#)