



### Main

|                           |                               |
|---------------------------|-------------------------------|
| Range                     | Masterpact                    |
| Product name              | Masterpact MTZ1               |
| Device short name         | MTZ1 06 H1                    |
| Product or component type | Circuit breaker               |
| Device application        | Protection                    |
| Poles description         | 3P                            |
| Network type              | AC                            |
| Network frequency         | 50/60 Hz                      |
| Breaking capacity code    | H1                            |
| Suitability for isolation | Yes conforming to IEC 60947-2 |
| Selectivity category      | Category B                    |

### Complementary

|                                           |                                                                                                                                                                                                                                                                                                                           |
|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Control type                              | Push-button                                                                                                                                                                                                                                                                                                               |
| Mounting mode                             | Drawout                                                                                                                                                                                                                                                                                                                   |
| Mounting support                          | Rails<br>Base plate                                                                                                                                                                                                                                                                                                       |
| [In] rated current                        | 630 A at 40 °C                                                                                                                                                                                                                                                                                                            |
| [Ui] rated insulation voltage             | 1000 V AC 50/60 Hz conforming to IEC 60947-2                                                                                                                                                                                                                                                                              |
| [Uimp] rated impulse withstand voltage    | 12 kV conforming to IEC 60947-2                                                                                                                                                                                                                                                                                           |
| [Icm] rated short-circuit making capacity | 88 KA 220/415 V AC at 50/60 Hz<br>88 KA 440 V AC at 50/60 Hz<br>88 KA 500/525 V AC at 50/60 Hz<br>88 kA 660/690 V AC at 50/60 Hz                                                                                                                                                                                          |
| [Ue] rated operational voltage            | 690 V AC 50/60 Hz conforming to IEC 60947-2                                                                                                                                                                                                                                                                               |
| Circuit breaker CT rating                 | 630 A<br>400 A                                                                                                                                                                                                                                                                                                            |
| Performance level                         | 42 KA Icu at 220/415 V AC 50/60 Hz conforming to IEC 60947-2<br>42 KA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2<br>42 KA Icu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2<br>42 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2                                                                  |
| [Ics] rated service breaking capacity     | 42 KA at 220/415 V AC 50/60 Hz conforming to IEC 60947-2<br>42 KA at 440 V AC 50/60 Hz conforming to IEC 60947-2<br>42 KA at 500/525 V AC 50/60 Hz conforming to IEC 60947-2<br>42 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2                                                                                  |
| Mechanical durability                     | 12500 cycles with periodic preventive maintenance conforming to IEC 60947-2                                                                                                                                                                                                                                               |
| Electrical durability                     | 3000 Cycles 690 V AC 50/60 Hz conforming to IEC 60947-2<br>6000 Cycles 440 V AC 50/60 Hz conforming to IEC 60947-2<br>AC-23A: 3000 cycles 690 V AC 50/60 Hz conforming to IEC 60947-3<br>AC-23A: 6000 cycles 440 V AC 50/60 Hz conforming to IEC 60947-3<br>AC-3: 6000 cycles 440 V AC 50/60 Hz conforming to IEC 60947-3 |
| Connection pitch                          | 70 mm                                                                                                                                                                                                                                                                                                                     |
| [Icw] rated short-time withstand current  | 42 KA 0.5 s conforming to IEC 60947-2<br>42 KA 1 s conforming to IEC 60947-2<br>24 kA 3 s conforming to IEC 60947-2                                                                                                                                                                                                       |
| Maximum breaking time                     | 25 ms                                                                                                                                                                                                                                                                                                                     |
| Maximum closing response time             | 50 ms                                                                                                                                                                                                                                                                                                                     |
| Height                                    | Drawout circuit breaker without chassis: 259.5 mm<br>Drawout circuit breaker with chassis: 322 mm                                                                                                                                                                                                                         |

|       |                                                                                                   |
|-------|---------------------------------------------------------------------------------------------------|
| Width | Drawout circuit breaker without chassis: 236.5 mm<br>Drawout circuit breaker with chassis: 288 mm |
| Depth | Drawout circuit breaker without chassis: 207.5 mm<br>Drawout circuit breaker with chassis: 266 mm |

## Environment

|                                       |                              |
|---------------------------------------|------------------------------|
| Standards                             | IEC 60364-8-1<br>IEC 60947-2 |
| Product certifications                | ASEFA<br>LCIE                |
| Pollution degree                      | 3 conforming to IEC 60947-1  |
| Ambient air temperature for operation | -25...70 °C                  |
| Ambient air temperature for storage   | -40...85 °C                  |

## 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                                                                                                                             |
| RoHS exemption information |  <a href="#">Yes</a>                           |
| China RoHS Regulation      |  <a href="#">China RoHS Declaration</a>        |
| Environmental Disclosure   |  <a href="#">Product Environmental Profile</a> |
| Circularity Profile        |  <a href="#">End Of Life Information</a>       |