



### Main

|                           |                               |
|---------------------------|-------------------------------|
| Range                     | Masterpact                    |
| Product name              | Masterpact MTZ2               |
| Device short name         | MTZ2 12 H2                    |
| Product or component type | Circuit breaker               |
| Device application        | Protection                    |
| Poles description         | 4P                            |
| Neutral position          | Left                          |
| Network type              | AC                            |
| Network frequency         | 50/60 Hz                      |
| Breaking capacity code    | H2                            |
| Suitability for isolation | Yes conforming to IEC 60947-2 |
| Selectivity category      | Category B                    |

### Complementary

|                                           |                                                                                                                                                                                                                                                                                                                                   |
|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Control type                              | Push-button                                                                                                                                                                                                                                                                                                                       |
| Mounting mode                             | Fixed                                                                                                                                                                                                                                                                                                                             |
| Mounting support                          | Rails<br>Base plate                                                                                                                                                                                                                                                                                                               |
| [In] rated current                        | 1250 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 | 220 KA 220/415 V AC at 50/60 Hz<br>220 KA 440 V AC at 50/60 Hz<br>187 KA 500/525 V AC at 50/60 Hz<br>187 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                 | 1250 A                                                                                                                                                                                                                                                                                                                            |
| Performance level                         | 100 KA Icu at 220/415 V AC 50/60 Hz conforming to IEC 60947-2<br>100 KA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2<br>85 KA Icu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2<br>85 KA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2                                                                        |
| [Ics] rated service breaking capacity     | 100 KA at 220/415 V AC 50/60 Hz conforming to IEC 60947-2<br>100 KA at 440 V AC 50/60 Hz conforming to IEC 60947-2<br>85 KA at 500/525 V AC 50/60 Hz conforming to IEC 60947-2<br>85 KA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2                                                                                        |
| Mechanical durability                     | 25000 cycles with periodic preventive maintenance conforming to IEC 60947-2                                                                                                                                                                                                                                                       |
| Electrical durability                     | 10000 Cycles 440 V AC 50/60 Hz conforming to IEC 60947-2<br>10000 Cycles 690 V AC 50/60 Hz conforming to IEC 60947-2<br>AC-23A: 10000 cycles 440 V AC 50/60 Hz conforming to IEC 60947-3<br>AC-23A: 10000 cycles 690 V AC 50/60 Hz conforming to IEC 60947-3<br>AC-3: 6000 cycles 440/690 V AC 50/60 Hz conforming to IEC 60947-3 |
| Connection pitch                          | 115 mm                                                                                                                                                                                                                                                                                                                            |
| [Icw] rated short-time withstand current  | 85 KA 0.5 s conforming to IEC 60947-2<br>85 KA 1 s conforming to IEC 60947-2<br>50 KA 3 s conforming to IEC 60947-2                                                                                                                                                                                                               |
| Integral instant protection               | 171...209 kA                                                                                                                                                                                                                                                                                                                      |
| Maximum breaking time                     | 25 ms                                                                                                                                                                                                                                                                                                                             |
| Maximum closing response time             | 70 ms                                                                                                                                                                                                                                                                                                                             |
| Height                                    | 352 mm                                                                                                                                                                                                                                                                                                                            |
| Width                                     | 537 mm                                                                                                                                                                                                                                                                                                                            |
| Depth                                     | 300 mm                                                                                                                                                                                                                                                                                                                            |

## Environment

|                                       |                              |
|---------------------------------------|------------------------------|
| Standards                             | IEC 60947-2<br>IEC 60364-8-1 |
| Product certifications                | ASEFA                        |
| 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>       |
| PVC free                   | Yes                                                                                                                             |