

# Product data sheet

## Characteristics

# LV848312

## Circuit breaker Masterpact MTZ2 32H1 - 3200 A - 3P drawout - w/o Micrologic



### Main

|                           |                               |
|---------------------------|-------------------------------|
| Range                     | Masterpact                    |
| Product name              | Masterpact MTZ2               |
| Device short name         | MTZ2 32 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                        | 3200 A at 40 °C   |
| [Ui] rated insulation voltage             | 1000 V AC 50/60 Hz conforming to IEC 60947-2  |
| [Uiimp] rated impulse withstand voltage   | 12 kV conforming to IEC 60947-2   |
| [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  |
| [Ue] rated operational voltage            | 690 V AC 50/60 Hz conforming to IEC 60947-2   |
| Circuit breaker CT rating                 | 3200 A  |
| Performance level                         | 66 KA Icu at 220/415 V AC 50/60 Hz conforming to IEC 60947-2<br>66 KA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2<br>66 KA Icu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2<br>66 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2  |
| [Ics] rated service breaking capacity     | 66 KA at 220/415 V AC 50/60 Hz conforming to IEC 60947-2<br>66 KA at 440 V AC 50/60 Hz conforming to IEC 60947-2<br>66 KA at 500/525 V AC 50/60 Hz conforming to IEC 60947-2<br>66 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2  |
| Mechanical durability                     | 20000 cycles with periodic preventive maintenance conforming to IEC 60947-2   |
| Electrical durability                     | AC-3: 6000 cycles 440/690 V AC 50/60 Hz conforming to IEC 60947-3<br>2500 Cycles 690 V AC 50/60 Hz conforming to IEC 60947-2<br>5000 Cycles 440 V AC 50/60 Hz conforming to IEC 60947-2<br>AC-23A: 2500 cycles 690 V AC 50/60 Hz conforming to IEC 60947-3<br>AC-23A: 5000 cycles 440 V AC 50/60 Hz conforming to IEC 60947-3 |
| Connection pitch                          | 115 mm  |
| [Icw] rated short-time withstand current  | 66 KA 0.5 s conforming to IEC 60947-2<br>66 KA 1 s conforming to IEC 60947-2<br>66 kA 3 s conforming to IEC 60947-2   |
| Maximum breaking time                     | 25 ms   |
| Maximum closing response time             | 70 ms   |
| Height                                    | Drawout circuit breaker without chassis: 300 mm<br>Drawout circuit breaker with chassis: 439 mm   |
| Width                                     | Drawout circuit breaker without chassis: 378 mm<br>Drawout circuit breaker with chassis: 441 mm   |
| Depth                                     | Drawout circuit breaker without chassis: 300 mm<br>Drawout circuit breaker with chassis: 403 mm   |

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## Environment

|                                       |                              |
|---------------------------------------|------------------------------|
| Standards                             | IEC 60364-8-1<br>IEC 60947-2 |
| Product certifications                | ASTA                         |
| 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   |