

Product data sheet

Specifications



Circuit breaker frame, MasterPact MTZ2 16H1, 1600A, 66kA/440VAC 50/60Hz (Icu), 3P, drawout, without control unit

LV848273

Main

| | |
|---------------------------|-------------------------------|
| Range | Masterpact |
| Product name | MasterPact MTZ2 |
| Device short name | MTZ2 16 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 | Base plate Rails |
| [In] rated current | 1600 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 | 145 kA 220/415 V AC at 50/60 Hz 145 kA 440 V AC at 50/60 Hz 145 kA 500/525 V AC at 50/60 Hz 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 | 1600 A |
| Performance level | 66 kA Icu at 220/415 V AC 50/60 Hz conforming to IEC 60947-2 66 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 66 kA Icu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 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 66 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 66 kA at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 66 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 |

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|---|---|
| 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 10000 cycles 690 V AC 50/60 Hz conforming to IEC 60947-2 AC-23A: 10000 cycles 440 V AC 50/60 Hz conforming to IEC 60947-3 AC-23A: 10000 cycles 690 V AC 50/60 Hz conforming to IEC 60947-3 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 | 66 kA 0.5 s conforming to IEC 60947-2 66 kA 1 s conforming to IEC 60947-2 36 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 Drawout circuit breaker with chassis: 439 mm |
| Width | Drawout circuit breaker without chassis: 378 mm Drawout circuit breaker with chassis: 441 mm |
| Depth | Drawout circuit breaker without chassis: 300 mm Drawout circuit breaker with chassis: 403 mm |

Environment

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|--|------------------------------|
| Standards | IEC 60364-8-1 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 |

Packing Units

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|-------------------------------------|-----------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 29.5 cm |
| Package 1 Width | 30.5 cm |
| Package 1 Length | 37.5 cm |
| Package 1 Weight | 47.035 kg |

Offer Sustainability

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|-----------------------------------|--|
| Sustainable offer status | Green Premium product |
| REACH Regulation | REACH Declaration |
| EU RoHS Directive | Compliant EU RoHS Declaration |
| Mercury free | Yes |
| China RoHS Regulation | China RoHS declaration Product out of China RoHS scope. Substance declaration for your information |
| RoHS exemption information | Yes |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End of Life Information |
| PVC free | Yes |
| California proposition 65 | WARNING: This product can expose you to chemicals including: DINP, which is known to the State of California to cause cancer, and DIDP, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov |

Recommended replacement(s)