

Product data sheet

Characteristics

LV848289

Circuit breaker Masterpact MTZ2 20H3, 2000 A, 3P drawout, without Micrologic



Main

| | |
|---------------------------|-------------------------------|
| Range | Masterpact |
| Product name | Masterpact MTZ2 |
| Device short name | MTZ2 20 H3 |
| Product or component type | Circuit breaker |
| Device application | Protection |
| Poles description | 3P |
| Network type | AC |
| Network frequency | 50/60 Hz |
| Breaking capacity code | H3 |
| Suitability for isolation | Yes conforming to IEC 60947-2 |
| Selectivity category | Category B |

Complementary

| | |
|---|--|
| Control type | Push-button |
| Mounting mode | Drawout |
| Mounting support | Rails Base plate |
| [In] rated current | 2000 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 | 330 KA 220/415 V AC at 50/60 Hz 330 KA 440 V AC at 50/60 Hz 286 KA 500/525 V AC at 50/60 Hz 220 kA 660/690 V AC at 50/60 Hz |
| [Ue] rated operational voltage | 440 V AC 50/60 Hz conforming to IEC 60947-2 |
| Circuit breaker CT rating | 2000 A |
| Performance level | 150 KA Icu at 220/415 V AC 50/60 Hz conforming to IEC 60947-2 150 KA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 130 KA Icu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 100 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 |
| [Ics] rated service breaking capacity | 150 KA at 220/415 V AC 50/60 Hz conforming to IEC 60947-2 150 KA at 440 V AC 50/60 Hz conforming to IEC 60947-2 130 KA at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 100 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 | 2000 Cycles 690 V AC 50/60 Hz conforming to IEC 60947-2 2000 cycles 440 V AC 50/60 Hz conforming to IEC 60947-2 |
| 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 66 kA 3 s conforming to IEC 60947-2 |
| Integral instant protection | 135...165 kA |
| 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 |

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Environment

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|---------------------------------------|------------------------------|
| Standards | IEC 60947-2 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 |  REACH Declaration |
| EU RoHS Directive | Compliant  EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information |  Yes |
| China RoHS Regulation |  China RoHS Declaration |
| Environmental Disclosure |  Product Environmental Profile |
| Circularity Profile |  End Of Life Information |
| PVC free | Yes |