



Main

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|---------------------------|-------------------------------|
| Range | Masterpact |
| Product name | Masterpact MTZ2 |
| Device short name | MTZ2 08 N1 |
| Product or component type | Circuit breaker |
| Device application | Protection |
| Poles description | 3P |
| Network type | AC |
| Network frequency | 50/60 Hz |
| Breaking capacity code | N1 |
| Suitability for isolation | Yes conforming to IEC 60947-2 |
| Selectivity category | Category B |

Complementary

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| Control type | Push-button |
| Mounting mode | Drawout |
| Mounting support | Rails Base plate |
| [In] rated current | 800 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 88 KA 440 V AC at 50/60 Hz 88 KA 500/525 V AC at 50/60 Hz 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 | 800 A |
| Performance level | 42 KA Icu at 220/415 V AC 50/60 Hz conforming to IEC 60947-2 42 KA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 42 KA Icu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 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 42 KA at 440 V AC 50/60 Hz conforming to IEC 60947-2 42 KA at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 42 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 10000 cycles 690 V AC 50/60 Hz conforming to IEC 60947-2 |
| Connection pitch | 115 mm |
| [Icw] rated short-time withstand current | 42 KA 0.5 s conforming to IEC 60947-2 42 KA 1 s conforming to IEC 60947-2 22 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 | 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 |

Packing Units

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|------------------------------|-----------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Weight | 45.302 kg |
| Package 1 Height | 34 cm |
| Package 1 width | 40 cm |
| Package 1 Length | 31 cm |

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 |
| RoHS exemption information |  Yes |
| China RoHS Regulation |  China RoHS Declaration |
| Environmental Disclosure |  Product Environmental Profile |
| Circularity Profile |  End Of Life Information |
| PVC free | Yes |