



Main

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|---------------------------|-------------------------------|
| Range | Masterpact |
| Product name | Masterpact MTZ1 |
| Device short name | MTZ1 10 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

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|---|--|
| Control type | Push-button |
| Mounting mode | Fixed |
| Mounting support | Rails Base plate |
| [In] rated current | 1000 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 | 105 kA 220/415 V AC at 50/60 Hz 105 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 | 400 A 800 A 630 A |

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

1000 A

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|--|---|
| Performance level | 50 kA Icu at 220/415 V AC 50/60 Hz conforming to IEC 60947-2 50 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 | 50 kA at 220/415 V AC 50/60 Hz conforming to IEC 60947-2 50 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 | 12500 cycles with periodic preventive maintenance conforming to IEC 60947-2 |
| Electrical durability | 3000 cycles 690 V AC 50/60 Hz conforming to IEC 60947-2 6000 cycles 440 V AC 50/60 Hz conforming to IEC 60947-2 AC-23A: 3000 cycles 690 V AC 50/60 Hz conforming to IEC 60947-3 AC-23A: 6000 cycles 440 V AC 50/60 Hz conforming to IEC 60947-3 AC-3: 6000 cycles 440 V AC 50/60 Hz conforming to IEC 60947-3 |
| Connection pitch | 70 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 24 kA 3 s conforming to IEC 60947-2 |
| Integral instant protection | 81...99 kA |
| Maximum breaking time | 25 ms |
| Maximum closing response time | 50 ms |
| Height | 301 mm |
| Width | 346 mm |
| Depth | 209 mm |

Environment

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|---------------------------------------|------------------------------|
| Standards | IEC 60947-2 IEC 60364-8-1 |
| Product certifications | LCIE 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

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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 Product out of China RoHS scope. Substance declaration for your information |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End of Life Information |