



Main

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| Range | MasterPacT |
| Product name | MasterPact MTZ2 |
| Device short name | MTZ2 08 H1 |
| Product or component type | Circuit breaker |
| Device application | Power distribution protection |
| Poles description | 4P |
| Neutral position | Left |
| Control unit | Without control unit |
| Product compatibility | control unit MicroLogic 2.0 X[RETURN] control unit MicroLogic 5.0 X[RETURN] control unit MicroLogic 6.0 X[RETURN] control unit MicroLogic 7.0 X[RETURN] control unit MicroLogic 2.0 Xi[RETURN] control unit MicroLogic 5.0 Xi[RETURN] control unit MicroLogic 6.0 Xi[RETURN] control unit MicroLogic 7.0 Xi |
| [In] rated current | 800 A at 40 °C |
| Performance type | H1 66 kA 415 V AC |
| [Ue] rated operational voltage | 690 V AC 50/60 Hz |
| Suitability for isolation | Yes conforming to EN/IEC 60947-2 |
| Selectivity category | Category B |
| Control type | Push-button |
| Mounting mode | Drawout |

Complementary

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| [Icu] rated ultimate short-circuit breaking capacity | 66 KA at 220/415 V AC 50/60 Hz 66 KA at 440 V AC 50/60 Hz 66 KA at 500/525 V AC 50/60 Hz 66 kA at 660/690 V AC 50/60 Hz |
| [Ics] rated service breaking capacity | 66 KA at 220/415 V AC 50/60 Hz 66 KA at 440 V AC 50/60 Hz 66 KA at 500/525 V AC 50/60 Hz 66 kA at 660/690 V AC 50/60 Hz |
| [Icw] rated short-time withstand current | 66 KA 0.5 s 66 KA 1 s 36 kA 3 s |
| [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 |
| Sensor rating | 400 A 630 A 800 A |
| [Ui] rated insulation voltage | 1000 V AC 50/60 Hz |
| [Uimp] rated impulse withstand voltage | 12 kV |
| Power dissipation in W | 100 W |
| Maximum breaking time | 25 ms |
| Maximum closing response time | 70 ms |
| Mounting support | Rails Base plate |

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| Upside connection | Front Rear |
| Downside connection | Front Rear |
| Connection pitch | 115 mm |
| Mechanical durability | 25000 cycles with periodic preventive maintenance |
| Electrical durability | 10000 Cycles 440 V AC 50/60 Hz conforming to EN/IEC 60947-2 10000 Cycles 690 V AC 50/60 Hz conforming to EN/IEC 60947-2 AC-23A: 10000 cycles 440 V AC 50/60 Hz conforming to EN/IEC 60947-3 AC-23A: 10000 cycles 690 V AC 50/60 Hz conforming to EN/IEC 60947-3 AC-3: 6000 cycles 440/690 V AC 50/60 Hz conforming to EN/IEC 60947-3 |
| Height | Drawout circuit breaker with chassis: 439 mm Drawout circuit breaker without chassis: 300 mm |
| Width | Drawout circuit breaker with chassis: 556 mm Drawout circuit breaker without chassis: 493 mm |
| Depth | Drawout circuit breaker with chassis: 403 mm Drawout circuit breaker without chassis: 300 mm |
| Net weight | 120 kg |
| Standards | EN/IEC 60947-1 EN/IEC 60947-2 EN/IEC 60947-2 Annex H IEC 61557-12 |
| Product certifications | CE[RETURN]IECEE CB Scheme |

Environment

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|---------------------------------------|--|
| IP degree of protection | IP30 conforming to EN 60529 |
| Pollution degree | 3 conforming to IEC 60947-1 |
| Ambient air temperature for operation | -25...70 °C |
| Ambient air temperature for storage | -40...85 °C |
| Operating altitude | 0...2000 m without derating 2000...5000 m with derating |

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 | 49.5 cm |
| Package 1 Weight | 47.654 kg |

Offer Sustainability

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|----------------------------|--|
| Sustainable offer status | Green Premium product |
| REACH Regulation |  REACH Declaration |
| EU RoHS Directive | Compliant with Exemptions |
| Mercury free | Yes |
| China RoHS Regulation |  China RoHS Declaration |
| 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 |