



Main

Range	MasterPacT
Product name	MasterPact MTZ2
Device short name	MTZ2 12 H10
Product or component type	Circuit breaker
Device application	Power distribution protection
Poles description	3P
Control unit	Without control unit
[In] rated current	1250 A at 40 °C
Performance type	H10 50 kA 1150 V AC
[Ue] rated operational voltage	1150 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

[Icu] rated ultimate short-circuit breaking capacity	50 kA at 1150 V AC 50/60 Hz
[Ics] rated service breaking capacity	50 kA at 1150 V AC 50/60 Hz
[Icw] rated short-time withstand current	50 KA 1 s 50 KA 0.5 s 50 KA 3 s
[Icm] rated short-circuit making capacity	105 kA 1150 V AC at 50/60 Hz
Sensor rating	630 A 800 A 1000 A 1250 A
[Ui] rated insulation voltage	1250 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	12 kV
Power dissipation in W	230 W
Maximum breaking time	25 ms
Maximum closing response time	70 ms
Mounting support	Rails Base plate
Upside connection	Rear
Downside connection	Rear
Connection pitch	115 mm
Mechanical durability	25000 cycles with periodic preventive maintenance
Electrical durability	500 cycles 1150 V AC 50/60 Hz conforming to EN/IEC 60947-2
Height	Drawout circuit breaker with chassis: 439 mm Drawout circuit breaker without chassis: 300 mm
Width	Drawout circuit breaker with chassis: 441 mm Drawout circuit breaker without chassis: 378 mm
Depth	Drawout circuit breaker with chassis: 403 mm Drawout circuit breaker without chassis: 300 mm
Net weight	90 kg

Standards	EN/IEC 60947-1 EN/IEC 60947-2 EN/IEC 60947-2 Annex H IEC 61557-12
Product certifications	CE IECEE CB Scheme







Environment

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

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	0.1 cm
Package 1 Width	0.1 cm
Package 1 Length	0.2 cm
Package 1 Weight	1.0 g

Offer Sustainability

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
RoHS exemption information	 Yes
Environmental Disclosure	 Product Environmental Profile
Circularity Profile	 End Of Life Information
PVC free	Yes

Contractual warranty

Warranty	18 Monate
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