



Main

Range	MasterPacT
Product name	MasterPact MTZ2
Device short name	MTZ2 16 N1
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 Control unit MicroLogic 5.0 X Control unit MicroLogic 6.0 X Control unit MicroLogic 7.0 X Control unit MicroLogic 2.0 Xi Control unit MicroLogic 5.0 Xi Control unit MicroLogic 6.0 Xi Control unit MicroLogic 7.0 Xi
[In] rated current	1600 A at 40 °C
Performance type	N1 42 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	Fixed

Complementary

[Icu] rated ultimate short-circuit breaking capacity	42 KA at 220/415 V AC 50/60 Hz 42 KA at 440 V AC 50/60 Hz 42 KA at 500/525 V AC 50/60 Hz 42 kA at 660/690 V AC 50/60 Hz
[Ics] rated service breaking capacity	42 KA at 220/415 V AC 50/60 Hz 42 KA at 440 V AC 50/60 Hz 42 KA at 500/525 V AC 50/60 Hz 42 kA at 660/690 V AC 50/60 Hz
[Icw] rated short-time withstand current	42 KA 0.5 s 42 KA 1 s 22 kA 3 s
[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
Sensor rating	800 A 1000 A 1250 A 1600 A
[Ui] rated insulation voltage	1000 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	12 kV
Power dissipation in W	220 W
Maximum breaking time	25 ms
Maximum closing response time	70 ms

Mounting support	Rails Base plate
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
Height	352 mm
Width	537 mm
Depth	300 mm
Net weight	65 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

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	29.5 cm
Package 1 Width	30.5 cm
Package 1 Length	49.5 cm
Package 1 Weight	47.251 kg

Offer Sustainability

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