



## Main

Range	MasterPacT
Product name	MasterPact MTZ2
Device short name	MTZ2 16 H2V
Product or component type	Circuit breaker
Device application	Power distribution protection
Poles description	3P
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	H2V 100 kA 415 V AC
[Ue] rated operational voltage	440 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	100 KA at 220/415 V AC 50/60 Hz 100 kA at 440 V AC 50/60 Hz
[Ics] rated service breaking capacity	100 KA at 220/415 V AC 50/60 Hz 100 kA at 440 V AC 50/60 Hz
[Icw] rated short-time withstand current	100 KA 0.5 s 100 KA 1 s 75 kA 3 s
[Icm] rated short-circuit making capacity	220 KA 220/415 V AC at 50/60 Hz 220 kA 440 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	390 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	15000 cycles with periodic preventive maintenance
Electrical durability	10000 Cycles 440 V AC 50/60 Hz at In conforming to EN/IEC 60947-2 AC-23A: 10000 cycles 440 V AC 50/60 Hz at In conforming to EN/IEC 60947-3 AC-3: 6000 cycles 440 V AC 50/60 Hz at In conforming to EN/IEC 60947-3
Height	439 mm
Width	441 mm
Depth	403 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[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	43.9 cm
Package 1 Width	44.1 cm
Package 1 Length	40.3 cm
Package 1 Weight	90.0 kg

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	 <a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant with Exemptions
Mercury free	Yes
China RoHS Regulation	 <a href="#">China RoHS Declaration</a>
RoHS exemption information	 <a href="#">Yes</a>
Environmental Disclosure	 <a href="#">Product Environmental Profile</a>
Circularity Profile	 <a href="#">End Of Life Information</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>