



### Main

Range of product	MasterPact MTZ1
Range	MasterPact
Product name	MasterPact MTZ1 16
Device short name	MasterPact MTZ1 16
Product or component type	Basic frame
Device application	Distribution
Poles description	3P
Network type	AC
Breaking capacity code	H2
Suitability for isolation	Yes conforming to IEC 60947-2
Utilisation category	Category B

### Complementary

Network frequency	50/60 Hz
Control type	Push-button
Mounting mode	Drawout
[In] rated current	1600 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	88 kA 690 V AC at 50/60 Hz 88 kA 525 V AC at 50/60 Hz 105 kA 220/415 V AC at 50/60 Hz 105 kA 440 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	1600 A
Breaking capacity	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 525 V AC 50/60 Hz conforming to IEC 60947-2 42 kA Icu at 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 525 V AC 50/60 Hz conforming to IEC 60947-2 42 kA at 690 V AC 50/60 Hz conforming to IEC 60947-2
Mechanical durability	12500 Cycles without maintenance conforming to IEC 60947-2 25000 cycles with maintenance conforming to IEC 60947-2
Electrical durability	3000 Cycles 690 V AC 50/60 Hz without maintenance conforming to IEC 60947-2 6000 Cycles 440 V AC 50/60 Hz without maintenance conforming to IEC 60947-2 AC-23A: 3000 cycles 690 V AC 50/60 Hz without maintenance conforming to IEC 60947-2 AC-23A: 6000 cycles 440 V AC 50/60 Hz without maintenance conforming to IEC 60947-2 AC-3: 6000 cycles 440/690 V AC 50/60 Hz without maintenance conforming to IEC 60947-2
Connection pitch	70 mm
[Icw] rated short-time withstand current	20 kA 3 s conforming to IEC 60947-2 36 kA 1 s conforming to IEC 60947-2 36 kA 0.5 s conforming to IEC 60947-2
Maximum breaking time	25 ms
Maximum closing response time	50 ms
Height	322 mm

Width	288 mm
Depth	291 mm

## Environment

Standards	IEC 60947-2
Pollution degree	3 conforming to IEC 60664-1
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-40...85 °C

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	32.2 cm
Package 1 Width	28.8 cm
Package 1 Length	29.1 cm
Package 1 Weight	80.0 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>
PVC free	Yes