



### Main

Range	Masterpact
Product name	Masterpact MTZ2
Device short name	MTZ2 16 N1
Product or component type	Circuit breaker
Device application	Protection
Poles description	3P
Network type	AC
Network frequency	50/60 Hz
Breaking capacity code	N1
Suitability for isolation	Yes conforming to IEC 60947-2
Selectivity category	Category B

### Complementary

Control type	Push-button
Mounting mode	Fixed
Mounting support	Base plate Rails
[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 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
[Ue] rated operational voltage	690 V AC 50/60 Hz conforming to IEC 60947-2
Circuit breaker CT rating	1600 A
Performance level	42 KA Icu at 220/415 V AC 50/60 Hz conforming to IEC 60947-2 42 KA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 42 KA Icu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 42 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2
[Ics] rated service breaking capacity	42 KA at 220/415 V AC 50/60 Hz conforming to IEC 60947-2 42 KA at 440 V AC 50/60 Hz conforming to IEC 60947-2 42 KA at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 42 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2
Mechanical durability	25000 cycles with periodic preventive maintenance conforming to IEC 60947-2
Electrical durability	10000 Cycles 440 V AC 50/60 Hz conforming to IEC 60947-2 10000 cycles 690 V AC 50/60 Hz conforming to IEC 60947-2
Connection pitch	115 mm
[Icw] rated short-time withstand current	42 KA 0.5 s conforming to IEC 60947-2 42 KA 1 s conforming to IEC 60947-2 22 kA 3 s conforming to IEC 60947-2
Maximum breaking time	25 ms
Maximum closing response time	70 ms
Height	352 mm
Width	422 mm
Depth	300 mm

## Environment

Standards	IEC 60947-2 IEC 60364-8-1
Product certifications	ASEFA
Pollution degree	3 conforming to IEC 60947-1
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 Weight	41.251 kg
Package 1 Height	34 cm
Package 1 width	40 cm
Package 1 Length	31 cm

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS Declaration</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End Of Life Information</a>
PVC free	Yes