

Product datasheet

Specifications



Circuit breaker Masterpact MTZ1 16H1 - 1600 A - 4P fixed - w/o Micrologic

LV847155

Main

Range	Masterpact
Product name	MasterPact MTZ1
Device short name	MTZ1 16 H1
Product or component type	Circuit breaker
Device application	Protection
Poles description	4P
Neutral position	Left
Network type	AC
Network frequency	50/60 Hz
Breaking capacity code	H1
Suitability for isolation	Yes conforming to IEC 60947-2
Selectivity category	Category B

Complementary

Control type	Push-button
Mounting mode	Fixed
Mounting support	Rails Base plate
[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	1250 A 1600 A 630 A 400 A 800 A 1000 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	12500 cycles with periodic preventive maintenance conforming to IEC 60947-2
Electrical durability	3000 cycles 690 V AC 50/60 Hz conforming to IEC 60947-2 6000 cycles 440 V AC 50/60 Hz conforming to IEC 60947-2 AC-23A: 3000 cycles 690 V AC 50/60 Hz conforming to IEC 60947-3 AC-23A: 6000 cycles 440 V AC 50/60 Hz conforming to IEC 60947-3 AC-3: 6000 cycles 440 V AC 50/60 Hz conforming to IEC 60947-3
Connection pitch	70 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 24 kA 3 s conforming to IEC 60947-2
Maximum breaking time	25 ms
Maximum closing response time	50 ms
Height	301 mm
Width	346 mm
Depth	209 mm

Environment

Standards	IEC 60364-8-1 IEC 60947-2
Product certifications	ASEFA LCIE
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	15.689 kg
Package 1 Height	40 cm
Package 1 width	40 cm
Package 1 Length	30 cm

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information

Contractual warranty

Warranty	18 months
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