Product data sheet
Characteristics

LV847127
Circuit breaker Masterpact MTZ1 08L1, 800 A, 4P fixed, without Micrologic

Main

Range	Masterpact
Product name	Masterpact MTZ1
Device short name	MTZ1 08 L1
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	L1
Suitability for isolation	Yes conforming to IEC 60947-2
Selectivity category	Category A

Complementary

Control type	Push-button
Mounting mode	Fixed
Mounting support	Rails Base plate
[In] rated current	800 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	330 KA 220/415 V AC at 50/60 Hz 286 KA 440 V AC at 50/60 Hz 220 KA 500/525 V AC at 50/60 Hz 52 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	630 A 400 A 800 A
Performance level	150 KA Icu at 220/415 V AC 50/60 Hz conforming to IEC 60947-2 130 KA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 100 KA Icu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 25 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2
[Ics] rated service breaking capacity	150 KA at 220/415 V AC 50/60 Hz conforming to IEC 60947-2 130 KA at 440 V AC 50/60 Hz conforming to IEC 60947-2 100 KA at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 25 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	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 2000 Cycles 690 V AC 50/60 Hz conforming to IEC 60947-3 3000 cycles 440 V AC 50/60 Hz conforming to IEC 60947-3
Connection pitch	70 mm
[Icw] rated short-time withstand current	10 kA 0.5 s conforming to IEC 60947-2
Integral instant protection	7.2…8.8 kA
Maximum breaking time	9 ms
Maximum closing response time	50 ms
Height	301 mm
Width	346 mm
Depth	209 mm

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Environment

Standards	IEC 60947-2 IEC 60364-8-1
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

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
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins