

Product data sheet

Characteristics

MX9MS3100

Switch disconnecter, MAX9, 3P, 100A, 415V



Main

Range	MAX9
Product or component type	Switch disconnecter
Device application	Switch
Poles description	3P
Utilisation category	AC-22A
Suitability for isolation	Yes

Complementary

[Ie] rated operational current	AC-22A: 100 A at 415 V AC 50/60 Hz
[Ue] rated operational voltage	415 V AC 50/60 Hz
Network frequency	50/60 Hz
[Icm] rated short-circuit making capacity	5 kA 415 V AC at 50/60 Hz
[Icw] rated short-time withstand current	1500 A during 1 s conforming to IEC 60947-3 at 415 V
[Ith] conventional free air thermal current	100 A
Maximum power	AC-22A: 14.1 W at 415 V AC 50/60 Hz
[Ui] rated insulation voltage	500 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	6 kV
Control type	Toggle
Local signalling	ON/OFF indication
Contact position indicator	Yes
Mounting mode	Clip-on
Mounting support	DIN rail
Comb busbar and distribution block compatibility	Top or bottom: YES
9 mm pitches	6
Height	85 mm
Width	54 mm
Depth	75 mm
Product weight	243 g
Colour	White
Mechanical durability	20000 cycles
Electrical durability	AC-22A: 10000 cycles 415 V AC 50/60 Hz
Connections - terminals	Tunnel type terminals (top or bottom) - 6...50 mm ² - rigid Tunnel type terminals (top or bottom) - 6...35 mm ² - flexible
Wire stripping length	14 mm
Tightening torque	3.5 N.m

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Environment

Standards	IEC 60947-3
Quality labels	RCM
IP degree of protection	IP20
Pollution degree	3
Overvoltage category	IV
Tropicalisation	Severity B conforming to IEC 60068-2-30
Relative humidity	95 % at 55 °C
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	240 g
Package 1 Height	8.5 cm
Package 1 width	7.5 cm
Package 1 Length	5.4 cm
Unit Type of Package 2	CAR
Number of Units in Package 2	32
Package 2 Weight	8.18 kg
Package 2 Height	20 cm
Package 2 width	30 cm
Package 2 Length	40 cm
Unit Type of Package 3	BB1
Number of Units in Package 3	4
Package 3 Weight	960 g
Package 3 Height	9.6 cm
Package 3 width	8.2 cm
Package 3 Length	22 cm

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Compliant EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
Environmental Disclosure	Product Environmental Profile