

## 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 <sup>2</sup> - rigid Tunnel type terminals (top or bottom) - 6...35 mm <sup>2</sup> - 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	<a href="#">REACH Declaration</a>
REACH free of SVHC	Yes
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Toxic heavy metal free	Yes
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>