

## Product data sheet

### Characteristics

# MX9SP140

## Surge Protection Device, MAX9 SPD, 1P, 40kA



### Main

Range	MAX9
Product or component type	Surge arrester
Poles description	1P
Remote signalling	With
Signal contacts composition	1 NO + 1 NC
Surge arrester type	Electrical distribution network
Earthing system	TN-C TN-S TT
Device application	Distribution

### Complementary

Surge arrester class type	Type 2
Surge arrester technology	MOV
Local signalling	Flag
[Ue] rated operational voltage	240 V +/- 6 % AC 50/60 Hz
Nominal discharge current	15 kA conforming to IEC 61643-11
Maximum discharge current	40 kA conforming to IEC 61643-11
[Uc] maximum continuous operating voltage	350 V AC
Maximum [Up] voltage protection level	<1.6 kV type 2
[Ures] residual voltage	1545 V
[Ut] temporary overvoltage	336 V L/PE 5 s withstand
Local signalling	White/red flag
Local signalling	Flag (white/red)
Signalling circuit voltage	AC: 250 V 50/60 Hz
Signalling output current	0.25 A
Mounting mode	Clip-on
Mounting support	DIN rail
Comb busbar and distribution block compatibility	Tooth
9 mm pitches	2
Height	85 mm
Width	18 mm
Depth	64 mm
Product weight	119 g
Colour	White (RAL 9003)
Cable cross section	2.5...25 Mm <sup>2</sup> rigid 4...16 mm <sup>2</sup> flexible
Response time	<= 25 ns
Maximum residual current	240 V 0.6 mA 240 V
Connections - terminals	Tunnel type terminal (top or bottom) 2.5...25 mm <sup>2</sup> rigid Tunnel type terminal (top or bottom) 4...16 mm <sup>2</sup> flexible
Wire stripping length	14 mm
Tightening torque	3.5 N.m

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## Environment

Standards	IEC 61643-11:2011 EN 61643-11:2012
Quality labels	RCM
IP degree of protection	IP20
IK degree of protection	IK03 conforming to IEC 62262
Pollution degree	2
Relative humidity	5...95 % at 55 °C
Operating altitude	0...2000 m
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	132 g
Package 1 Height	7.5 cm
Package 1 width	2.5 cm
Package 1 Length	9.5 cm
Unit Type of Package 2	BB1
Number of Units in Package 2	12
Package 2 Weight	1.584 kg
Package 2 Height	8.2 cm
Package 2 width	27.5 cm
Package 2 Length	9.6 cm
Unit Type of Package 3	CAR
Number of Units in Package 3	72
Package 3 Weight	10.004 kg
Package 3 Height	20 cm
Package 3 width	30 cm
Package 3 Length	40 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>
Circularity Profile	<a href="#">End Of Life Information</a>