

Surge arrester plug-in unit, pluggable, 1000V DC, 1p

Part no. **SPPVT2H-10**
176098

General specifications		
Product name		Eaton Moeller series xPole - SPPVT2.12 Surge Protection Device
Part no.		SPPVT2H-10
EAN		4015081712946
Product Length/Depth		52.2 millimetre
Product height		43.3 millimetre
Product width		17.5 millimetre
Product weight		0.05 kilogram
Compliances		CE Marked RoHS conform
Product Tradename		xPole - SPPVT2.12
Product Type		Surge Protection Device
Product Sub Type		None
Delivery program		
Application		Open areas Residential buildings Utility buildings
Type		DC overvoltage protection Surge arrester
Technical Data - Electrical		
Connection		For ungrounded systems
Voltage rating (Iu) - max		1000 V
Voltage protection level		1.9 kV
Voltage protection level (L-N)		0 kV
Voltage protection level (N-PE)		0 kV
Nominal voltage at AC		0 V
Nominal voltage at DC		1000 V
Continuous voltage at AC - max		0 V
Continuous voltage at DC - max		585 V
PV-voltage - max		585 V
Nominal discharge surge current (8/20)		15 kA
Signalling at the device		Optic
Technical Data - Mechanical		
Frame		1 modular spacing
Mounting method		On basic element
Conductor cross section (flexible, fine-strand) - min		25 mm ²
Conductor cross section (flexible, fine-strand) - max		25 mm ²
Conductor cross section (solid, solid-strand) - min		35 mm ²
Conductor cross section (solid, solid-strand) - max		35 mm ²
Degree of protection		IP20
Design verification as per IEC/EN 61439 - technical data		
Rated operational current for specified heat dissipation (In)		0 A
Heat dissipation per pole, current-dependent		0 W
Equipment heat dissipation, current-dependent		0 W
Static heat dissipation, non-current-dependent		0.03 W
Heat dissipation capacity		0 W
Ambient operating temperature - min		-40 °C
Ambient operating temperature - max		80 °C
Additional information		
Features		Category type 2
Special features		Pluggable

System configuration type	IT
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Technical data ETIM 8.0

Earthing, lightning and surge protection (EG000021) / Surge protection device for power supply systems (EC000941)			
Electric engineering, automation, process control engineering / Protection installation, device (electric) / Surge protection device (inner lightning protection) / Surge protection device for power supply systems (ecl@ss10.0.1-27-13-08-05 [ACN278011])			
System configuration DC			No
System configuration IT			Yes
System configuration TN			No
System configuration TN-C			No
System configuration TN-C-S			No
System configuration TN-S			No
System configuration TT			No
System configuration other			No
Number of conductors (without earthing)			
Nominal discharge surge current (8/20)		kA	15
Max. discharge surge current (8/20)		kA	
Nominal voltage AC		V	0
Nominal voltage DC		V	1,000
Max. continuous voltage AC		V	0
Max. continuous voltage DC		V	585
Max. PV-voltage		V	585
Voltage protection level		kV	1.9
Voltage protection level L-N		kV	0
Voltage protection level N-PE		kV	0
Max. overcurrent protection device, parallel connection (fuse)		A	
Max. overcurrent protection device, series connection (fuse)		A	
Short-circuit breaking capacity (I _{sc} cr)		kA	
Integrated short-circuit protection			No
Integrated short-circuit protection selective to fuse gG		A	
Integrated backup fuse			No
Leakage-current free			No
Mounting method			On basic element
Construction size			1 modular spacing
Max. conductor cross section solid (solid, stranded)		mm ²	35
Max. conductor cross section flexible (fine-strand)		mm ²	25
With remote signalling contact			No
Signalling at the device			Optic
Category type 2			Yes
Degree of protection (IP)			IP20