

## Lightning current / surge arresters, SPD insert, 1000 VDC

**Part no.**                    **SPPVT12-10**  
**177260**

<b>General specifications</b>		
Product name		Eaton Moeller series xPole - SPPVT2.12 Surge Protection Device
Part no.		SPPVT12-10
EAN		4015081717125
Product Length/Depth		43.3 millimetre
Product height		52.2 millimetre
Product width		17.5 millimetre
Product weight		0.07 kilogram
Compliances		RoHS conform
Product Tradename		xPole - SPPVT2.12
Product Type		Surge Protection Device
Product Sub Type		None
<b>Delivery program</b>		
Application		Open areas Residential buildings Utility buildings
Type		DC overvoltage protection Surge arrester
<b>Technical Data - Electrical</b>		
Connection		For ungrounded systems
Voltage rating (Iu) - max		1000 V
Voltage protection level		1.8 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		487.5 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
Discharge surge current (8/20) - max		0 kA
Short-circuit breaking capacity (ISCCR)		0 kA
Signalling at the device		Optic
<b>Technical Data - Mechanical</b>		
Frame		1 modular spacing
Mounting method		On basic element
Number of conductors without earthing		0
Conductor cross section (flexible, fine-strand) - min		0 mm <sup>2</sup>
Conductor cross section (flexible, fine-strand) - max		0 mm <sup>2</sup>
Conductor cross section (solid, solid-strand) - min		0 mm <sup>2</sup>
Conductor cross section (solid, solid-strand) - max		0 mm <sup>2</sup>
Degree of protection		IP20
<b>Design verification as per IEC/EN 61439 - technical data</b>		
Rated operational current for specified heat dissipation (I <sub>n</sub> )		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
<b>Additional information</b>		

Features		Category type 2
Special features		Pluggable
System configuration type		IT

## Technical data ETIM 9.0

Earthing, lightning and surge protection (EG000021) / Surge protection device for power supply systems (EC000941)		
Electric engineering, automation, process control engineering / Internal and external lightning protection / Lightning protection (other) / Lightning protection (other, not specified) (ecl@ss13-27-17-90-90 [AHE465002])		
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)		0
Nominal discharge surge current (8/20)	kA	15
Max. discharge surge current (8/20)	kA	0
Nominal voltage AC	V	0
Nominal voltage DC	V	487.5
Max. continuous voltage AC	V	0
Max. continuous voltage DC	V	585
Max. PV-voltage	V	585
Voltage protection level	kV	1.8
Voltage protection level L-N	kV	0
Voltage protection level N-PE	kV	0
Max. overcurrent protection device, parallel connection (fuse)	A	0
Max. overcurrent protection device, series connection (fuse)	A	0
Short-circuit breaking capacity (Isc cr)	kA	0
Integrated short-circuit protection		No
Integrated short-circuit protection selective to fuse gG	A	0
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 <sup>2</sup>	0
Max. conductor cross section flexible (fine-strand)	mm <sup>2</sup>	0
With remote signalling contact		No
Signalling at the device		Optical
Category type 2		Yes
Degree of protection (IP)		IP20