

**Lightning current / surge arresters, pluggable, 1000 VDC, 2-pole+PE, earthed**

**Part no.** SPPVT12-10-2+PE  
**177256**  
**EL Number** 1600135  
**(Norway)**

<b>General specifications</b>		
Product name		Eaton Moeller series xPole - SPPVT2.12 Surge Protection Device
Part no.		SPPVT12-10-2+PE
EAN		4015081717088
Product Length/Depth		65.5 millimetre
Product height		90 millimetre
Product width		53.4 millimetre
Product weight		0.38 kilogram
Compliances		RoHS conform
Product Tradename		xPole - SPPVT2.12
Product Type		Surge Protection Device
Product Sub Type		None
<b>Delivery program</b>		
Application		Open areasResidential buildingsUtility buildings
Type		DC overvoltage protectionSurge arrester
<b>Technical Data - Electrical</b>		
Connection		For ungrounded systems
Voltage rating (Iu) - max		1000 V
Voltage protection level		3.5 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		1170 V
Continuous voltage at AC - max		0 V
Continuous voltage at DC - max		1170 V
PV-voltage - max		1170 V
Nominal discharge surge current (8/20)		15 kA
Discharge surge current (8/20) - max		40 kA
Short-circuit breaking capacity (ISCCR)		0 kA
Signalling at the device		Optic
<b>Technical Data - Mechanical</b>		
Frame		3 modular spacing
Mounting method		DIN rail (top hat rail) 35 mm
Number of conductors without earthing		2
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 (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
<b>Additional information</b>		
Features		Category type 2
Special features		Pluggable
System configuration type		IT

## 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)		2
Nominal discharge surge current (8/20)	kA	15
Max. discharge surge current (8/20)	kA	40
Nominal voltage AC	V	0
Nominal voltage DC	V	1,170
Max. continuous voltage AC	V	0
Max. continuous voltage DC	V	1,170
Max. PV-voltage	V	1,170
Voltage protection level	kV	3.5
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	0
Short-circuit breaking capacity (I <sub>sc</sub> cr)	kA	0
Integrated short-circuit protection		No
Integrated short-circuit protection selective to fuse gG	A	
Integrated backup fuse		No
Leakage-current free		No
Mounting method		DIN rail (top hat rail) 35 mm
Construction size		3 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		Optic
Category type 2		Yes
Degree of protection (IP)		IP20