



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

Part no. **SPPVT12-10-2+PE-AX**  
 Catalog No. **177255**

Similar to illustration

### Delivery program

Product range			DC overvoltage protection
Products			Surge arresters
Application field			Residential buildings Utility buildings Open areas
Description			pluggable With auxiliary contact
Connection			For ungrounded systems
Maximum uninterrupted voltage	$U_c$	V	1000

### Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	$I_n$	A	0
Heat dissipation per pole, current-dependent	$P_{vid}$	W	0
Equipment heat dissipation, current-dependent	$P_{vid}$	W	0
Static heat dissipation, non-current-dependent	$P_{vs}$	W	0.03
Heat dissipation capacity	$P_{diss}$	W	0
Operating ambient temperature min.		°C	-40
Operating ambient temperature max.		°C	80
			0

### Technical data ETIM 7.0

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 (ec1@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
Nominal voltage AC		V	0
Nominal voltage DC		V	1000
Short-circuit breaking capacity (Iscbr)		kA	0
Max. continuous voltage AC		V	0
Max. discharge surge current (8/20)		kA	40
Max. continuous voltage DC		V	1050
Mounting method			DIN rail (top hat rail) 35 mm
Construction size			3 modular spacing
Max. PV-voltage		V	1050
Voltage protection level		kV	3.7
Max. conductor cross section solid (solid, stranded)		mm <sup>2</sup>	35

Max. conductor cross section flexible (fine-strand)	mm <sup>2</sup>	25
Voltage protection level L-N	kV	0
Voltage protection level N-PE	kV	0
With remote signalling contact		Yes
Integrated backup fuse		No
Signalling at the device		Optic
Category type 2		Yes
Degree of protection (IP)		IP20