



**Lightning current / surge arresters, SPD insert, 600 VDC**

**Part no. SPPVT12-06**  
**Catalog No. 177259**

Similar to illustration

**Delivery program**

Product range			DC overvoltage protection
Products			Surge arresters
Application field			Residential buildings Utility buildings Open areas
Description			pluggable
Connection			For ungrounded systems
Maximum uninterrupted voltage	U <sub>C</sub>	V	600

**Design verification as per IEC/EN 61439**

Technical data for design verification			
Rated operational current for specified heat dissipation	I <sub>n</sub>	A	0
Heat dissipation per pole, current-dependent	P <sub>vid</sub>	W	0
Equipment heat dissipation, current-dependent	P <sub>vid</sub>	W	0
Static heat dissipation, non-current-dependent	P <sub>vs</sub>	W	0.01
Heat dissipation capacity	P <sub>diss</sub>	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 (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)			0
Nominal discharge surge current (8/20)		kA	15
Nominal voltage AC		V	0
Nominal voltage DC		V	600
Short-circuit breaking capacity (I <sub>scbr</sub> )		kA	0
Max. continuous voltage AC		V	0
Max. discharge surge current (8/20)		kA	0
Max. continuous voltage DC		V	720
Mounting method			On basic element
Construction size			1 modular spacing
Max. PV-voltage		V	720
Voltage protection level		kV	2.7

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		No
Integrated backup fuse		No
Signalling at the device		Optic
Category type 2		Yes
Degree of protection (IP)		IP20