DATASHEET - SPBT12-280

Lightning current and surge arresters, plug-in unit, 12, 5 kA

Part no.	**SPBT12-280**
Catalog No.	**167341**
Alternate Catalog No.	**SPBT12-280**
EL-Nummer (Norway)	**0001609783**

Powering Business Worldwide

Delivery program

Products			Surge arresters
Application field			Residential buildings Utility buildings Open areas

Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	I_n	A	1
Heat dissipation per pole, current-dependent	P_{vid}	W	1
Equipment heat dissipation, current-dependent	P_{vid}	W	1
Static heat dissipation, non-current-dependent	P_{vs}	W	1
Heat dissipation capacity	P_{diss}	W	1
Operating ambient temperature min.		°C	1
Operating ambient temperature max.		°C	1
			If necessary, Allow for derating

Technical data ETIM 7.0

Earthing, lightning and surge protection (EG000021) / Combined arrester for power supply systems (EC001457)

Electric engineering, automation, process control engineering / Protection installation, device (electric) / Surge protection device (inner lightning protection) / Combined lightning current/surge arrester f. power supply s. (ecl@ss10.0.1-27-13-08-08 [ACN284011])

System configuration DC			No
System configuration IT			No
System configuration TN			Yes
System configuration TN-C			No
System configuration TN-C-S			No
System configuration TN-S			No
System configuration TT			No
System configuration other			Yes
Number of poles			1
Lightning impulse current (10/350 µs)		kA	12.5
Max. continuous voltage AC		V	280
Max. continuous voltage DC		V	0
Nominal voltage AC		V	280
Nominal voltage DC		V	0
Max. PV-voltage		V	0
Voltage protection level		kV	1.5
Voltage protection level L-N		kV	0
Voltage protection level L-PE		kV	1.5
Voltage protection level N-PE		kV	0
Voltage protection level (DC+ - DC-)		kV	0
Voltage protection level (DC+/DC- - PE)		kV	0
Follow current extinguishing capability		kA	0
Specific energy (W/R)		kJ/Ohm	39.1
Max. conductor cross section solid (solid, stranded)		mm^2	25
Max. conductor cross section flexible (fine-strand)		mm^2	35
Mounting method			On basic element

Construction size	1 modular spacing
Remote signalling	No
Signalling at the device	Optic
Test class	Type 1 + 2
Exhausting	No
Integrated backup fuse	No
Energy-coordinated protection effect with regard to the terminal equipment	No
Degree of protection (IP)	IP20