DATASHEET - SPBT12-NPE100

Lightning current and surge arresters, 100 kA, N-space unit

Part no.	**SPBT12-NPE100**
Catalog No.	**158307**
Alternate Catalog No.	**SPBT12-NPE100**
EL-Nummer (Norway)	**1609774**

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	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
Heat dissipation capacity	P_{diss}	W	0
Operating ambient temperature min.		°C	-40
Operating ambient temperature max.		°C	70

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	100
Max. continuous voltage AC		V	255
Max. continuous voltage DC		V	0
Nominal voltage AC		V	255
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	1.5
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	2500
Max. conductor cross section solid (solid, stranded)		mm^2	35
Max. conductor cross section flexible (fine-strand)		mm^2	0
Mounting method			DIN rail (top hat rail) 35 mm
Construction size			2 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