



**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

**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 <sup>2</sup>	35
Max. conductor cross section flexible (fine-strand)	mm <sup>2</sup>	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