



**Lightning current and surge arresters kit, TN-S/TT kit, 3+1p**

**Part no.** SPBT12-280-3+NPE/BB  
**Catalog No.** 158333  
**Alternate Catalog No.** SPBT12-280-3-NPE-BB  
**EL-Nummer (Norway)** 1609780

**Delivery program**

Products		Surge arresters
Application field		Residential buildings Utility buildings Open areas

**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			Yes
System configuration TN			Yes
System configuration TN-C			No
System configuration TN-C-S			No
System configuration TN-S			Yes
System configuration TT			Yes
System configuration other			Yes
Number of poles			4
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	0
Voltage protection level L-N		kV	1.5
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>	25
Max. conductor cross section flexible (fine-strand)		mm <sup>2</sup>	35
Mounting method			DIN rail (top hat rail) 35 mm
Construction size			6 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