

Select your language

- [German](#)
- [English](#)
- [Spanish](#)
- [French](#)
- [Dutch](#)
- [Italian](#)
- [Polish](#)
- [Czech](#)
- [Russian](#)
- [Norwegian Bokmål](#)

Worldwide English



SPBT12-280-3+NPE/BB - Lightning current and surge arresters kit, TN-S/TT kit, 3+1p



158333 SPBT12-280-3+NPE/BB

[Overview](#) [Specifications](#) [Resources](#)



158333 SPBT12-280-3+NPE/BB

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

Alternate Catalog No.

SPBT12-280-3-NPE-BB

EL-Nummer (Norway)

1609780

For protecting consumer systems against transient overvoltages caused by direct and indirect lightning strikes and switching operations, use in accordance with IEC 60364-5-53 section 534, il according to IEC 61643-1, SPD-type T1, T2 according to EN 61643-11, lightning protection classes III and IV as per IEC 62305, type without remote signaling

- [Delivery program](#)
- [Technical data ETIM 7.0](#)

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)

12.5 kA
 Max. continuous voltage AC
 280 V
 Max. continuous voltage DC
 0 V
 Nominal voltage AC
 280 V
 Nominal voltage DC
 0 V
 Max. PV-voltage
 0 V
 Voltage protection level
 0 kV
 Voltage protection level L-N
 1.5 kV
 Voltage protection level L-PE
 1.5 kV
 Voltage protection level N-PE
 1.5 kV
 Voltage protection level (DC+ - DC-)
 0 kV
 Voltage protection level (DC+/DC- - PE)
 0 kV
 Follow current extinguishing capability
 0 kA
 Specific energy (W/R)
 2500 kJ/Ohm
 Max. conductor cross section solid (solid, stranded)
 25 mm²
 Max. conductor cross section flexible (fine-strand)
 35 mm²
 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

Product photo

- 

sg52112

Photo

Surge arresters

Instruction Leaflet

- Surge Protection SPBT12 (IL019217ZU)

Asset

MA150501453

(PDF, 08/2019, Language independent)

Declaration of Conformity

- [DA-DC-03_SFBT12_200416](#)
Asset
(PDF)

Download-Center

- [Download-Center \(this item\)](#)
Eaton EMEA Download-Center - download data for this item
- [Download-Center](#)
Eaton EMEA Download-Center

 [Generate data sheet in PDF format](#)

 [Generate data sheet in Excel format](#)

 [Write a comment](#)
[Imprint](#) [Privacy Policy](#) [Legal Disclaimer](#) [Terms and Conditions](#)
© 2021 by Eaton Industries GmbH

