

# Eaton 158309

Catalog Number: 158309

Eaton Moeller series xPole - SPBT12 Surge Protection Device.  
Lightning current and surge arresters kit, TN-S kit, 2p



## General specifications

<b>Product Name</b>	<b>Catalog Number</b>
Eaton Moeller series xPole - SPBT12 Surge protection device	158309
<b>EAN</b>	<b>Model Code</b>
4015081548873	SPBT12-280/2
<b>Product Height</b>	<b>Product Length/Depth</b>
69 mm	86 mm
<b>Product Weight</b>	<b>Product Width</b>
0.285 kg	35 mm
	<b>Compliances</b>
	RoHS conform

## Delivery program

### Application

Open areas  
Residential buildings  
Utility buildings

### Number of poles

Two-pole

### Type

Surge arrester

## Technical data - electrical

### Voltage protection level

1.5 KV

### Voltage protection level (DC+ - DC-)

0 KV

### Voltage protection level (DC+/DC- - PE)

0 KV

### Voltage protection level (L-N)

0 KV

### Voltage protection level (L-PE)

1.5 KV

### Voltage protection level (N-PE)

0 KV

### Nominal voltage at AC

280 V

### Nominal voltage at DC

0 V

### Continuous voltage at AC - max

280 V

### Continuous voltage at DC - max

0 V

### PV-voltage - max

0 V

### Lightning impulse current (10/350 µs)

12.5 kA

### Follow current extinguishing capability

0 kA

### Signalling at the device

Optic

### Specific energy (W/R)

39.1 kJ/Ohm

## Technical data - mechanical

### Frame

2 modular spacing

## Additional information

### System configuration type

TN  
Other

#### Mounting method

DIN rail (top hat rail) 35 mm

#### Conductor cross section (flexible, fine-strand) - max

35 mm<sup>2</sup>

#### Conductor cross section (solid, solid-strand) - max

25 mm<sup>2</sup>

#### Degree of protection

IP20

TN-S

TT

#### Test class

Type 1 + 2

## Resources

### Catalogues

[eaton-surge-protection-catalog-ca010001en-en-us.pdf](#)

[eaton-spbt12-surge-protection-catalog-ca010002en-en-us.pdf](#)

[eaton-xpole-protective-devices-catalog-ca019014en-en-us.pdf](#)

### Characteristic curve

[eaton-dimensions-mas\\_spbt12.jpg](#)

### Declarations of conformity

[DA-DC-03\\_SPBT12](#)

### Drawings

[Mas\\_SPBT12](#)

### Installation instructions

[IL019217ZU](#)

### mCAD model

[eaton-cadenas-side\\_view-sp\\_2p\\_side.pra](#)

[eaton-cadenas-front\\_view-sp\\_2p\\_front.pra](#)

[eaton-cadenas-path-uberspannungsschutzgerat-assemblies-sp\\_2p\\_asmtpl.prj](#)

### Wiring diagrams

[eaton-xpole-spct2-surge-protection-device-wiring-diagram-003.jpg](#)

[VR7](#)