

Plug-in surge arresters, 1p, 280VAC, 20 kA



**Part no.** SPCT2-280/1  
**167593**  
**EL Number** 1609765  
**(Norway)**

General specifications		
Product name		Eaton Moeller series xPole - SPCT2 Surge Protection Device
Part no.		SPCT2-280/1
EAN		4015081640850
Product Length/Depth		85 millimetre
Product height		67 millimetre
Product width		17.5 millimetre
Product weight		0.098 kilogram
Compliances		RoHS conform
Product Tradename		xPole - SPCT2
Product Type		Surge Protection Device
Product Sub Type		None
Delivery program		
Application		Open areas Residential buildings Utility buildings
Type		Surge arrester
Technical Data - Electrical		
Voltage protection level		1.4 kV
Voltage protection level (L-N)		0 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
Nominal discharge surge current (8/20)		20 kA
Discharge surge current (8/20) - max		40 kA
Short-circuit breaking capacity (ISCCR)		0 kA
Signalling at the device		Optic
Technical Data - Mechanical		
Frame		1 modular spacing
Mounting method		DIN rail (top hat rail) 35 mm
Number of conductors without earthing		1
Conductor cross section (flexible, fine-strand) - min		35 mm <sup>2</sup>
Conductor cross section (flexible, fine-strand) - max		35 mm <sup>2</sup>
Conductor cross section (solid, solid-strand) - min		25 mm <sup>2</sup>
Conductor cross section (solid, solid-strand) - max		25 mm <sup>2</sup>
Degree of protection		IP20
Additional information		
Features		Category type 2
System configuration type		Other TN TN-S

**Technical data ETIM 9.0**

Earthing, lightning and surge protection (EG000021) / Surge protection device for power supply systems (EC000941)		
Electric engineering, automation, process control engineering / Internal and external lightning protection / Lightning protection (other) / Lightning protection (other, not specified) (ecl@ss13-27-17-90-90 [AHE465002])		
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		Yes
System configuration TT		No
System configuration other		Yes
Number of conductors (without earthing)		1
Nominal discharge surge current (8/20)	kA	20
Max. discharge surge current (8/20)	kA	40
Nominal voltage AC	V	280
Nominal voltage DC	V	0
Max. continuous voltage AC	V	280
Max. continuous voltage DC	V	0
Max. PV-voltage	V	0
Voltage protection level	kV	1.4
Voltage protection level L-N	kV	0
Voltage protection level N-PE	kV	0
Max. overcurrent protection device, parallel connection (fuse)	A	0
Max. overcurrent protection device, series connection (fuse)	A	125
Short-circuit breaking capacity (Iscbr)	kA	0
Integrated short-circuit protection		No
Integrated short-circuit protection selective to fuse gG	A	0
Integrated backup fuse		No
Leakage-current free		No
Mounting method		DIN rail (top hat rail) 35 mm
Construction size		1 modular spacing
Max. conductor cross section solid (solid, stranded)	mm <sup>2</sup>	25
Max. conductor cross section flexible (fine-strand)	mm <sup>2</sup>	35
With remote signalling contact		No
Signalling at the device		Optical
Category type 2		Yes
Degree of protection (IP)		IP20