DATASHEET - SPBT12-280-3+NPE/BB

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

Part no.	**SPBT12-280-3+NPE/BB**
	158333
EL Number (Norway)	**1609780**

General specifications	
Product name	Eaton Moeller series xPole - SPBT12 Surge protection device
Part no.	SPBT12-280-3+NPE/BB
EAN	4015081549214
Product Length/Depth	123 millimetre
Product height	69 millimetre
Product width	176 millimetre
Product weight	0.817 kilogram
Compliances	RoHS conform
Product Tradename	xPole - SPBT12
Product Type	Surge protection device
Product Sub Type	None
Delivery program	
Application	Utility buildings Residential buildings Open areas
Number of poles	Four-pole
Type	Surge arrester
Technical Data - Electrical	
Voltage protection level	0 kV
Voltage protection level (DC+ - DC-)	0 kV
Voltage protection level (DC+/DC- - PE)	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
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)	2500 kJ/Ohm
Technical Data - Mechanical	
Frame	6 modular spacing
Mounting method	DIN rail (top hat rail) 35 mm
Conductor cross section (flexible, fine-strand) - max	35 mm^2
Conductor cross section (solid, solid-strand) - max	25 mm^2
Degree of protection	IP20
Additional information	
Features	Voltage switching spark gap technology
System configuration type	IT TN-S Other TT TN
Test class	Type 1 + 2

Technical data ETIM 9.0

Earthing, lightning and surge protection (EG000021) / Combined arrester for power supply systems (EC001457)		
Electric engineering, automation, process control engineering / Internal and external lightning protection / Combined SPD for energy and information technology / Energy and MSR technology (ecl@ss13-27-17-16-01 [AHE455002])		
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. overcurrent protection device, parallel connection (fuse)	A	0
Max. overcurrent protection device, series connection (fuse)	A	0
Mounting method		DIN rail (top hat rail) 35 mm
Construction size		6 modular spacing
Max. conductor cross section solid (solid, stranded)	mm^2	25
Max. conductor cross section flexible (fine-strand)	mm^2	35
Remote signalling		No
Signalling at the device		Optical
Test class		Type 1 + 2
Integrated backup fuse		No
Energy-coordinated protection effect with regard to the terminal equipment		No
Voltage switching spark gap technology		Yes
Overcurrent protected voltage tapping		No
Degree of protection (IP)		IP20

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