

Specifications



Eaton 177258

Eaton Moeller series xPole - SPPVT2.12 Surge Protection Device. Lightning current / surge arresters, pluggable, 600 VDC, 2-pole+PE, earthed

General specifications

PRODUCT NAME	Eaton Moeller series xPole - SPPVT2.12 Surge protection device
CATALOG NUMBER	177258
MODEL CODE	SPPVT12-06-2+PE
EAN	4015081717101
PRODUCT LENGTH/DEPTH	65.5 mm
PRODUCT HEIGHT	90 mm
PRODUCT WIDTH	53.4 mm
PRODUCT WEIGHT	0.38 kg
COMPLIANCES	RoHS conform
CERTIFICATIONS	CE



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Additional information

FEATURES	Category type 2
SPECIAL FEATURES	Pluggable
SYSTEM CONFIGURATION TYPE	IT

Design verification to IEC/EN 61439 - technical data

AMBIENT OPERATING TEMPERATURE - MAX	80 °C
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AMBIENT OPERATING TEMPERATURE - MIN	-40 °C
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EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT	0 W
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HEAT DISSIPATION CAPACITY	0 W
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HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT	0 W
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RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	0 A
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STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT	0.03 W
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Delivery programme

APPLICATION	Open areas Residential buildings Utility buildings
TYPE	DC overvoltage protection Surge arrester

Technical data - electrical

CONNECTION	For ungrounded systems
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CONTINUOUS VOLTAGE AT AC - MAX	0 V
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CONTINUOUS VOLTAGE AT DC - MAX	720 V
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DISCHARGE SURGE CURRENT (8/20) - MAX	40 kA
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NOMINAL DISCHARGE SURGE CURRENT (8/20)	15 kA
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NOMINAL VOLTAGE AT AC	0 V
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NOMINAL VOLTAGE AT DC	600 V
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PV-VOLTAGE - MAX	720 V
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SHORT-CIRCUIT BREAKING CAPACITY (ISCCR)	0 kA
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SIGNALLING AT THE DEVICE	Optic
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VOLTAGE PROTECTION LEVEL	2.6 kV
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VOLTAGE PROTECTION LEVEL (L-N)	0 kV
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VOLTAGE PROTECTION LEVEL (N-PE)	0 kV
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VOLTAGE RATING (IU) - MAX	600 V
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Technical data - mechanical

**CONDUCTOR CROSS
SECTION (FLEXIBLE, FINE-
STRAND) - MAX** 0 mm²

**CONDUCTOR CROSS
SECTION (FLEXIBLE, FINE-
STRAND) - MIN** 0 mm²

**CONDUCTOR CROSS
SECTION (SOLID, SOLID-
STRAND) - MAX** 0 mm²

**CONDUCTOR CROSS
SECTION (SOLID, SOLID-
STRAND) - MIN** 0 mm²

DEGREE OF PROTECTION IP20

FRAME 3 modular spacing

MOUNTING METHOD DIN rail (top hat rail) 35
mm

**NUMBER OF
CONDUCTORS WITHOUT
EARTHING** 2

Resources

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

CATALOGUES [eaton-sppvt2-12-surge-
protection-catalog-
ca010007en-en-us.pdf](#)

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

DECLARATIONS OF
CONFORMITY [eaton-surge-protection-
device-declaration-of-
conformity-
eu250242en.pdf](#)

[eaton-surge-protection-
device-declaration-of-
conformity-
uk251461en.pdf](#)

DRAWINGS [eaton-xpole-sppvt2-surge-
protection-device-
dimensions.jpg](#)

WIRING DIAGRAMS [eaton-xpole-sppvt2-surge-
protection-device-wiring-
diagram.jpg](#)

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



Eaton Corporation plc Eaton House
30 Pembroke Road
Dublin 4, Ireland
Eaton.com

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