# DATASHEET - SPPVT12-06-2+PE

**Lightning current / surge arresters, pluggable, 600 VDC, 2-pole+PE, earthed**

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|---|---|
| **Part no.** | **SPPVT12-06-2+PE** |
| | **177258** |
| **EL Number (Norway)** | **1600136** |

| | |
|---|---|
| **General specifications** | |
| Product name | Eaton Moeller series xPole - SPPVT2.12 Surge protection device |
| Part no. | SPPVT12-06-2+PE |
| EAN | 4015081717101 |
| Product Length/Depth | 65.5 millimetre |
| Product height | 90 millimetre |
| Product width | 53.4 millimetre |
| Product weight | 0.38 kilogram |
| Compliances | RoHS conform |
| Product Tradename | xPole - SPPVT2.12 |
| Product Type | Surge protection device |
| Product Sub Type | None |
| **Delivery program** | |
| Application | Open areas Residential buildings Utility buildings |
| Type | DC overvoltage protection Surge arrester |
| **Technical Data - Electrical** | |
| Connection | For ungrounded systems |
| Voltage rating (Iu) - max | 600 V |
| Voltage protection level | 2.6 kV |
| Voltage protection level (L-N) | 0 kV |
| Voltage protection level (N-PE) | 0 kV |
| Nominal voltage at AC | 0 V |
| Nominal voltage at DC | 600 V |
| Continuous voltage at AC - max | 0 V |
| Continuous voltage at DC - max | 720 V |
| PV-voltage - max | 720 V |
| Nominal discharge surge current (8/20) | 15 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 | 3 modular spacing |
| Mounting method | DIN rail (top hat rail) 35 mm |
| Number of conductors without earthing | 2 |
| Conductor cross section (flexible, fine-strand) - min | 0 $mm^2$ |
| Conductor cross section (flexible, fine-strand) - max | 0 $mm^2$ |
| Conductor cross section (solid, solid-strand) - min | 0 $mm^2$ |
| Conductor cross section (solid, solid-strand) - max | 0 $mm^2$ |
| Degree of protection | IP20 |
| **Design verification as per IEC/EN 61439 - technical data** | |
| Rated operational current for specified heat dissipation (In) | 0 A |
| Heat dissipation per pole, current-dependent | 0 W |
| Equipment heat dissipation, current-dependent | 0 W |
| Static heat dissipation, non-current-dependent | 0.03 W |
| Heat dissipation capacity | 0 W |
| Ambient operating temperature - min | -40 °C |

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|---|---|---|---|
| Ambient operating temperature - max | | | 80 °C |

### Additional information

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|---|---|---|---|
| Features | | | Category type 2 |
| Special features | | | Pluggable |
| System configuration type | | | IT |

## 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 | | | Yes |
| System configuration TN | | | No |
| System configuration TN-C | | | No |
| System configuration TN-C-S | | | No |
| System configuration TN-S | | | No |
| System configuration TT | | | No |
| System configuration other | | | No |
| Number of conductors (without earthing) | | | 2 |
| Nominal discharge surge current (8/20) | | kA | 15 |
| Max. discharge surge current (8/20) | | kA | 40 |
| Nominal voltage AC | | V | 0 |
| Nominal voltage DC | | V | 600 |
| Max. continuous voltage AC | | V | 0 |
| Max. continuous voltage DC | | V | 720 |
| Max. PV-voltage | | V | 720 |
| Voltage protection level | | kV | 2.6 |
| 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 | 0 |
| Short-circuit breaking capacity (Isccr) | | 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 | | | 3 modular spacing |
| Max. conductor cross section solid (solid, stranded) | | $mm^2$ | 0 |
| Max. conductor cross section flexible (fine-strand) | | $mm^2$ | 0 |
| With remote signalling contact | | | No |
| Signalling at the device | | | Optical |
| Category type 2 | | | Yes |
| Degree of protection (IP) | | | IP20 |


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