

Lightning current / surge arresters, SPD insert, 600 VDC

Part no. **SPPVT12-06**
177259

| General specifications | | |
|---|--|--|
| Product name | | Eaton Moeller series xPole - SPPVT2.12 Surge Protection Device |
| Part no. | | SPPVT12-06 |
| EAN | | 4015081717118 |
| Product Length/Depth | | 43.3 millimetre |
| Product height | | 52.2 millimetre |
| Product width | | 17.5 millimetre |
| Product weight | | 0.07 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 | | 1.7 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 | | 300 V |
| Continuous voltage at AC - max | | 0 V |
| Continuous voltage at DC - max | | 360 V |
| PV-voltage - max | | 360 V |
| Nominal discharge surge current (8/20) | | 15 kA |
| Discharge surge current (8/20) - max | | 0 kA |
| Short-circuit breaking capacity (ISCCR) | | 0 kA |
| Signalling at the device | | Optic |
| Technical Data - Mechanical | | |
| Frame | | 1 modular spacing |
| Mounting method | | On basic element |
| Number of conductors without earthing | | 0 |
| 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 | | 0.01 W |
| Heat dissipation capacity | | 0 W |
| Ambient operating temperature - min | | -40 °C |
| Ambient operating temperature - max | | 80 °C |
| Additional information | | |

| | | |
|---------------------------|--|-----------------|
| 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) | | 0 |
| Nominal discharge surge current (8/20) | kA | 15 |
| Max. discharge surge current (8/20) | kA | 0 |
| Nominal voltage AC | V | 0 |
| Nominal voltage DC | V | 300 |
| Max. continuous voltage AC | V | 0 |
| Max. continuous voltage DC | V | 360 |
| Max. PV-voltage | V | 360 |
| Voltage protection level | kV | 1.7 |
| 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 (Isc cr) | 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 | | On basic element |
| Construction size | | 1 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 |