

Surge arrester, pluggable, 1000V DC, 2p+PE

Part no. **SPPVT2H-10-2+PE**
176096

| General specifications | | |
|---|--|--|
| Product name | | Eaton Moeller series xPole - SPPVT2.12 Surge Protection Device |
| Part no. | | SPPVT2H-10-2+PE |
| EAN | | 4015081712922 |
| Product Length/Depth | | 90 millimetre |
| Product height | | 65.5 millimetre |
| Product width | | 53.4 millimetre |
| Product weight | | 0.327 kilogram |
| Compliances | | CE Marked 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 | | 1000 V |
| Voltage protection level | | 3.7 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 | | 1000 V |
| Continuous voltage at AC - max | | 0 V |
| Continuous voltage at DC - max | | 1170 V |
| PV-voltage - max | | 1170 V |
| Nominal discharge surge current (8/20) | | 15 kA |
| Signalling at the device | | Optic |
| Technical Data - Mechanical | | |
| Frame | | 3 modular spacing |
| Mounting method | | DIN rail (top hat rail) 35 mm |
| Conductor cross section (flexible, fine-strand) - min | | 25 mm ² |
| Conductor cross section (flexible, fine-strand) - max | | 25 mm ² |
| Conductor cross section (solid, solid-strand) - min | | 35 mm ² |
| Conductor cross section (solid, solid-strand) - max | | 35 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 |
| Ambient operating temperature - max | | 80 °C |
| Additional information | | |
| Features | | Category type 2 |
| Special features | | Pluggable |

| | |
|---------------------------|----|
| System configuration type | IT |
|---------------------------|----|

Technical data ETIM 8.0

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|---|--|-----------------|-------------------------------|
| Earthing, lightning and surge protection (EG000021) / Surge protection device for power supply systems (EC000941) | | | |
| Electric engineering, automation, process control engineering / Protection installation, device (electric) / Surge protection device (inner lightning protection) / Surge protection device for power supply systems (ecl@ss10.0.1-27-13-08-05 [ACN278011]) | | | |
| 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) | | | |
| Nominal discharge surge current (8/20) | | kA | 15 |
| Max. discharge surge current (8/20) | | kA | |
| Nominal voltage AC | | V | 0 |
| Nominal voltage DC | | V | 1,000 |
| Max. continuous voltage AC | | V | 0 |
| Max. continuous voltage DC | | V | 1,170 |
| Max. PV-voltage | | V | 1,170 |
| Voltage protection level | | kV | 3.7 |
| Voltage protection level L-N | | kV | 0 |
| Voltage protection level N-PE | | kV | 0 |
| Max. overcurrent protection device, parallel connection (fuse) | | A | |
| Max. overcurrent protection device, series connection (fuse) | | A | |
| Short-circuit breaking capacity (I _{sc} cr) | | kA | |
| Integrated short-circuit protection | | | No |
| Integrated short-circuit protection selective to fuse gG | | A | |
| 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 | 35 |
| Max. conductor cross section flexible (fine-strand) | | mm ² | 25 |
| With remote signalling contact | | | No |
| Signalling at the device | | | Optic |
| Category type 2 | | | Yes |
| Degree of protection (IP) | | | IP20 |