

## Surge arrester, pluggable, 1000VDC, 2-pole+PE

Part no. SPPVT2-10-2+PE  
Catalog No. 176090

Similar to illustration

## Delivery program

|                               |                |   |                                                          |
|-------------------------------|----------------|---|----------------------------------------------------------|
| Product range                 |                |   | DC overvoltage protection                                |
| Products                      |                |   | Surge arresters                                          |
| Application field             |                |   | Residential buildings<br>Utility buildings<br>Open areas |
| Description                   |                |   | pluggable                                                |
| Connection                    |                |   | For ungrounded systems                                   |
| Maximum uninterrupted voltage | U <sub>c</sub> | V | 1170                                                     |

## Design verification as per IEC/EN 61439

|                                                          |                   |    |      |
|----------------------------------------------------------|-------------------|----|------|
| Technical data for design verification                   |                   |    |      |
| Rated operational current for specified heat dissipation | I <sub>n</sub>    | A  | 0    |
| Heat dissipation per pole, current-dependent             | P <sub>vid</sub>  | W  | 0    |
| Equipment heat dissipation, current-dependent            | P <sub>vid</sub>  | W  | 0    |
| Static heat dissipation, non-current-dependent           | P <sub>vs</sub>   | W  | 0.03 |
| Heat dissipation capacity                                | P <sub>diss</sub> | W  | 0    |
| Operating ambient temperature min.                       |                   | °C | -40  |
| Operating ambient temperature max.                       |                   | °C | 80   |
|                                                          |                   |    | 0    |

## Technical data ETIM 8.0

|                                                                                                                                                                                                                                                             |  |    |      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----|------|
| 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)                                                                                                                                                                                                                     |  |    | 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  | 975  |
| Max. continuous voltage AC                                                                                                                                                                                                                                  |  | V  | 0    |
| Max. continuous voltage DC                                                                                                                                                                                                                                  |  | V  | 1170 |
| Max. PV-voltage                                                                                                                                                                                                                                             |  | V  | 1170 |
| 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  | 0    |
| Max. overcurrent protection device, series connection (fuse)                                                                                                                                                                                                |  | A  | 0    |

|                                                          |  |                 |                               |
|----------------------------------------------------------|--|-----------------|-------------------------------|
| Short-circuit breaking capacity (Iscbr)                  |  | 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 <sup>2</sup> | 0                             |
| Max. conductor cross section flexible (fine-strand)      |  | mm <sup>2</sup> | 0                             |
| With remote signalling contact                           |  |                 | No                            |
| Signalling at the device                                 |  |                 | Optic                         |
| Category type 2                                          |  |                 | Yes                           |
| Degree of protection (IP)                                |  |                 | IP20                          |