



Lightning current and surge arresters, 50kA, N-space unit

Part no. **SPBT12-280-3+NPE50**  
Catalog No. **184750**

## Delivery program

|                   |  |                                                          |
|-------------------|--|----------------------------------------------------------|
| Products          |  | Surge arresters                                          |
| Application field |  | Residential buildings<br>Utility buildings<br>Open areas |

## Technical data ETIM 7.0

|                                                                                                                                                                                                                                                                         |                 |                               |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-------------------------------|
| Earthing, lightning and surge protection (EG000021) / Combined arrester for power supply systems (EC001457)                                                                                                                                                             |                 |                               |
| Electric engineering, automation, process control engineering / Protection installation, device (electric) / Surge protection device (inner lightning protection) / Combined lightning current/surge arrester f. power supply s. (ecl@ss10.0.1-27-13-08-08 [ACN284011]) |                 |                               |
| System configuration DC                                                                                                                                                                                                                                                 |                 | No                            |
| System configuration IT                                                                                                                                                                                                                                                 |                 | Yes                           |
| System configuration TN                                                                                                                                                                                                                                                 |                 | Yes                           |
| System configuration TN-C                                                                                                                                                                                                                                               |                 | No                            |
| System configuration TN-C-S                                                                                                                                                                                                                                             |                 | No                            |
| System configuration TN-S                                                                                                                                                                                                                                               |                 | Yes                           |
| System configuration TT                                                                                                                                                                                                                                                 |                 | Yes                           |
| System configuration other                                                                                                                                                                                                                                              |                 | Yes                           |
| Number of poles                                                                                                                                                                                                                                                         |                 | 4                             |
| Lightning impulse current (10/350 µs)                                                                                                                                                                                                                                   | kA              | 12.5                          |
| Max. continuous voltage AC                                                                                                                                                                                                                                              | V               | 260                           |
| Max. continuous voltage DC                                                                                                                                                                                                                                              | V               | 0                             |
| Nominal voltage AC                                                                                                                                                                                                                                                      | V               | 240                           |
| Nominal voltage DC                                                                                                                                                                                                                                                      | V               | 0                             |
| Max. PV-voltage                                                                                                                                                                                                                                                         | V               | 0                             |
| Voltage protection level                                                                                                                                                                                                                                                | kV              | 1.5                           |
| Voltage protection level L-N                                                                                                                                                                                                                                            | kV              | 1.5                           |
| Voltage protection level L-PE                                                                                                                                                                                                                                           | kV              | 1.5                           |
| Voltage protection level N-PE                                                                                                                                                                                                                                           | kV              | 1.4                           |
| Voltage protection level (DC+ - DC-)                                                                                                                                                                                                                                    | kV              | 0                             |
| Voltage protection level (DC+/DC- - PE)                                                                                                                                                                                                                                 | kV              | 0                             |
| Follow current extinguishing capability                                                                                                                                                                                                                                 | kA              | 0                             |
| Specific energy (W/R)                                                                                                                                                                                                                                                   | kJ/Ohm          | 625                           |
| Max. conductor cross section solid (solid, stranded)                                                                                                                                                                                                                    | mm <sup>2</sup> | 25                            |
| Max. conductor cross section flexible (fine-strand)                                                                                                                                                                                                                     | mm <sup>2</sup> | 35                            |
| Mounting method                                                                                                                                                                                                                                                         |                 | DIN rail (top hat rail) 35 mm |
| Construction size                                                                                                                                                                                                                                                       |                 | 4 modular spacing             |
| Remote signalling                                                                                                                                                                                                                                                       |                 | No                            |
| Signalling at the device                                                                                                                                                                                                                                                |                 | Optic                         |
| Test class                                                                                                                                                                                                                                                              |                 | Type 1 + 2                    |
| Exhausting                                                                                                                                                                                                                                                              |                 | No                            |
| Integrated backup fuse                                                                                                                                                                                                                                                  |                 | No                            |
| Energy-coordinated protection effect with regard to the terminal equipment                                                                                                                                                                                              |                 | No                            |
| Degree of protection (IP)                                                                                                                                                                                                                                               |                 | IP20                          |