

Surge arresters complete, 2p, 280VAC



**Part no.** SPDT3-280/2  
**170485**  
**EL Number** 1609786  
**(Norway)**

| General specifications                                |  |  |
|---|--|--|
| Product name  |  | Eaton Moeller series xPole - SPDT3 Surge Protection Device |
| Part no.  |  | SPDT3-280/2  |
| EAN   |  | 4015081669837  |
| Product Length/Depth                                  |  | 80 millimetre  |
| Product height  |  | 68 millimetre  |
| Product width   |  | 35 millimetre  |
| Product weight  |  | 0.209 kilogram   |
| Compliances   |  | RoHS conform   |
| Product Tradename                                     |  | xPole - SPDT3  |
| Product Type  |  | Surge Protection Device                                    |
| Product Sub Type                                      |  | None   |
| Delivery program                                      |  |  |
| Application   |  | Open areas Residential buildings Utility buildings         |
| Type  |  | Surge arrester   |
| Technical Data - Electrical                           |  |  |
| Voltage protection level                              |  | 1.4 kV   |
| Voltage protection level (L-N)                        |  | 0 kV   |
| Voltage protection level (N-PE)                       |  | 0 kV   |
| Nominal voltage at AC                                 |  | 280 V  |
| Nominal voltage at DC                                 |  | 0 V  |
| Continuous voltage at AC - max                        |  | 280 V  |
| Continuous voltage at DC - max                        |  | 0 V  |
| PV-voltage - max                                      |  | 0 V  |
| Nominal discharge surge current (8/20)                |  | 5 kA   |
| Discharge surge current (8/20) - max                  |  | 10 kA  |
| Short-circuit breaking capacity (ISCCR)               |  | 0 kA   |
| Signalling at the device                              |  | Optic  |
| Technical Data - Mechanical                           |  |  |
| Frame   |  | 2 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 <sup>2</sup>  |
| Conductor cross section (flexible, fine-strand) - max |  | 0 mm <sup>2</sup>  |
| Conductor cross section (solid, solid-strand) - min   |  | 25 mm <sup>2</sup>   |
| Conductor cross section (solid, solid-strand) - max   |  | 25 mm <sup>2</sup>   |
| Degree of protection                                  |  | IP20   |
| Additional information                                |  |  |
| System configuration type                             |  | Other  |

**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  |  | No |
| 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                                     |                 | Yes                           |
| Number of conductors (without earthing)                        |                 | 2                             |
| Nominal discharge surge current (8/20)                         | kA              | 5                             |
| Max. discharge surge current (8/20)                            | kA              | 10                            |
| Nominal voltage AC   | V               | 280                           |
| Nominal voltage DC   | V               | 0                             |
| Max. continuous voltage AC                                     | V               | 280                           |
| Max. continuous voltage DC                                     | V               | 0                             |
| Max. PV-voltage  | V               | 0                             |
| Voltage protection level                                       | kV              | 1.4                           |
| 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               | 125                           |
| Short-circuit breaking capacity (I <sub>sc</sub> )             | 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  |                 | 2 modular spacing             |
| Max. conductor cross section solid (solid, stranded)           | mm <sup>2</sup> | 25                            |
| Max. conductor cross section flexible (fine-strand)            | mm <sup>2</sup> | 0                             |
| With remote signalling contact                                 |                 | No                            |
| Signalling at the device                                       |                 | Optical                       |
| Category type 2  |                 | No                            |
| Degree of protection (IP)                                      |                 | IP20                          |