

Plug-in surge arresters, 3pole+N, 280VAC, 20 kA



Part no. **SPCT2-280-3+NPE**
167620

| General specifications | | |
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| Product name | | Eaton Moeller series xPole - SPCT2 Surge Protection Device |
| Part no. | | SPCT2-280-3+NPE |
| EAN | | 4015081640683 |
| Product Length/Depth | | 85 millimetre |
| Product height | | 67 millimetre |
| Product width | | 70 millimetre |
| Product weight | | 0.399 kilogram |
| Compliances | | RoHS conform |
| Product Tradename | | xPole - SPCT2 |
| 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) | | 20 kA |
| Discharge surge current (8/20) - max | | 40 kA |
| Short-circuit breaking capacity (ISCCR) | | 0 kA |
| Signalling at the device | | Optic |
| Technical Data - Mechanical | | |
| Frame | | 4 modular spacing |
| Mounting method | | DIN rail (top hat rail) 35 mm |
| Number of conductors without earthing | | 3 |
| Conductor cross section (flexible, fine-strand) - min | | 35 mm ² |
| Conductor cross section (flexible, fine-strand) - max | | 35 mm ² |
| Conductor cross section (solid, solid-strand) - min | | 25 mm ² |
| Conductor cross section (solid, solid-strand) - max | | 25 mm ² |
| Degree of protection | | IP20 |
| Additional information | | |
| Features | | Category type 2 |
| System configuration type | | TT IT TN-C-S TN Other TN-S |

Technical data ETIM 9.0

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| Earthing, lightning and surge protection (EG000021) / Surge protection device for power supply systems (EC000941) |
| Electric engineering, automation, process control engineering / Internal and external lightning protection / Lightning protection (other) / Lightning protection (other, not specified) (ec1@ss13-27-17-90-90 [AHE465002]) |

| | | |
|--|-----------------|-------------------------------|
| System configuration DC | | No |
| System configuration IT | | Yes |
| System configuration TN | | Yes |
| System configuration TN-C | | No |
| System configuration TN-C-S | | Yes |
| System configuration TN-S | | Yes |
| System configuration TT | | Yes |
| System configuration other | | Yes |
| Number of conductors (without earthing) | | 3 |
| Nominal discharge surge current (8/20) | kA | 20 |
| Max. discharge surge current (8/20) | kA | 40 |
| 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 (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 | | 4 modular spacing |
| Max. conductor cross section solid (solid, stranded) | mm ² | 25 |
| Max. conductor cross section flexible (fine-strand) | mm ² | 35 |
| With remote signalling contact | | No |
| Signalling at the device | | Optical |
| Category type 2 | | Yes |
| Degree of protection (IP) | | IP20 |