



SPD type 3, UN=120V AC/150V DC DC, UC=150V AC/DC, UOC=2kV, 2-pol, with remote signaling width 17,7mm

| General data | |
|---|--|
| standard | IEC 61643-11: 2011, EN 61643-11: 2012 |
| product designation | Surge protection device |
| SPD classification / according to EN 61643-11 | |
| • Test Class I, Type 1 | No |
| • Test Class II, Type 2 | No |
| • Test Class III, Type 3 | Yes |
| number of SPD ports | 1 |
| design of the product | Surge arrester |
| design of pole | 2 |
| designation of the protective paths | L-N, L-PE, N-PE, (L+)-(L-), (L+/L-)-PE |
| fastening method | DIN rail NS 35 |
| material / of the enclosure | PA 6.6-FR |
| size of surge arrester | 1WM |
| degree of pollution | 2 |
| overvoltage category / according to IEC 61010-1 | III |
| protection class IP / at connection all terminals | IP20 |
| shock acceleration | 30 gn |
| vibrational acceleration / at 5 Hz ... 500 Hz / limited to 2,5 h / per axis | 5 gn |
| relative humidity / during operation | 5 % ... 95 % |
| installation altitude / at height above sea level / maximum | 2 000 m |
| width | 17.7 mm |
| height | 90 mm |
| depth | 74.5 mm |
| net weight | 77 g |
| Electrical data | |
| type of distribution system | TT, TN-S |
| operating voltage | 120 V |
| continuous operating voltage | |
| • maximum | 150 V |
| • maximum | 150 V |
| apparent power consumption / maximum | 13.5 mVA |
| discharge current | |
| • at (8/20) µs | 5 kA |
| short-circuit rating (SCCR) / at 264 V | 10 kA |
| protection level | |
| • between L and N | 1.95 kV |
| • between L and PE | 0.85 kV |
| • between N and L | 0.75 kV |

| | |
|--|-------------------|
| • between N and PE | 0.85 kV |
| • between PE and N and/or L | 0.85 kV |
| • response time / between L and (PE)N | 25 ns |
| • response time / between N and PE | 100 ns |
| adjustable response factor / of tripping current | 1.6 |
| fuse protection type / at V-shaped connection | 25 A (gG / B / C) |
| insulation resistance (Riso) | 5 MΩ |
| MPP voltage | 150 V |

Connections/ Terminals

| | |
|---|--------------------------|
| type of electrical connection | Screw terminal |
| stripped length | 10 mm |
| tightening torque | 0.5 ... 0.5 |
| stripped length | 10 mm |
| connectable conductor cross-section | |
| • for finely stranded conductor | 0.2 ... 2.5 |
| • for rigid conductor | 0.2 ... 4 |
| • finely stranded | 0.2 ... 2.5 |
| AWG number / as coded connectable conductor cross section | 30 ... 12 |
| design of the thread / of the connection screw | M3 |
| signal design | Defect signaling contact |

Indicator/remote signaling

| | |
|---|------------------|
| switching function / of the remote signaling contacts | N/C contact |
| operating voltage / of the remote signaling contacts / at AC | 250 ... 250 |
| operational current / of the remote signaling contacts / at AC | 0.5 mA ... 0.5 A |
| connection type of remote signaling contact | M3 |
| connectable conductor cross-section | |
| • for remote signaling contacts / for rigid conductor | 0.2 ... 4 |
| • for finely stranded conductor / for remote signaling contacts | 0.2 ... 2.5 |
| tightening torque / for remote signaling contacts | 0.5 N·m |
| stripped length / of the cable / for remote signaling contacts | 10 mm |

NEMA/UL - Data

| | |
|---|---|
| type of distribution system | TT, TN-S |
| TOV behavior | |
| • at TOV test voltage | 240 V AC (120 min / withstand mode) |
| • at TOV test voltage (L-N) | 240 V AC (5 s / withstand mode) / 240 V AC (120 min / withstand mode) |
| • at TOV test voltage (N-PE) | 1200 V (200 ms / withstand mode) |
| combustibility class according to UL 94 | V0 |
| AWG number / as coded connectable conductor cross section / according to UL / minimum | 16 |
| AWG number / as coded connectable conductor cross section / according to UL / maximum | 12 |

Further information

Siemens has decided to exit the Russian market (see here).

<https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business>

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/lowvoltage/catalogs>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SD7432-6>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/5SD7432-6>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SD7432-6

CAX-Online-Generator

<http://www.siemens.com/cax>



