SIEMENS

## Data sheet 5SD7483-5

Surge arrester, Type 2, pluggable protective modules, UC 750V AC, 3-pole, for 4-wire networks (L1, L2, L3, pen), with remote signaling

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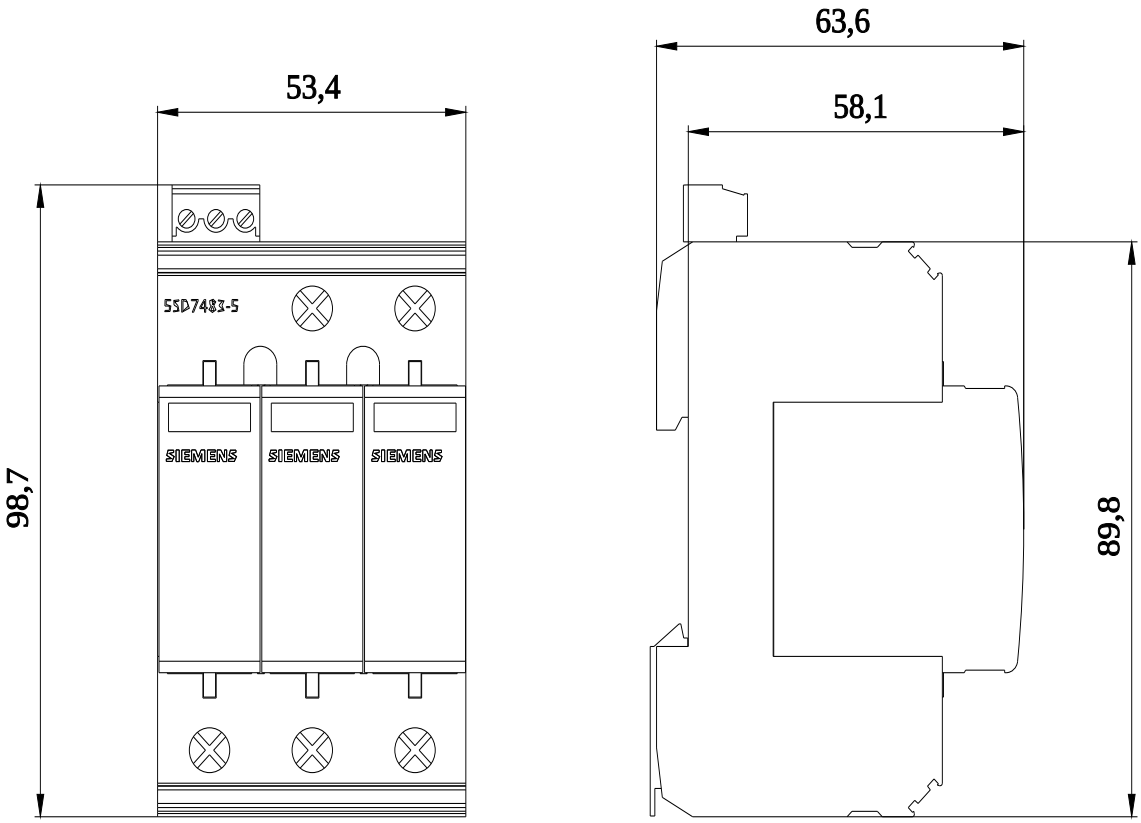
|---|---|
| **General data** | |
| standard | IEC 61643-11: 2011, EN 61643-11: 2012 |
| product designation | Surge protection device |
| SPD classification / according to EN 61643-11 | |
| ● Test Class I, Type 1 | No |
| ● Test Class II, Type 2 | Yes |
| ● Test Class III, Type 3 | No |
| number of SPD ports | 1 |
| design of the product | Surge arrester |
| design of pole | 3 |
| designation of the protective paths | L-PEN, L-PE |
| accessories | 3 x 5SD7488-2 |
| fastening method | DIN rail NS 35 |
| material / of the enclosure | PA 6.6 / PBT |
| degree of pollution | 2 |
| overvoltage category / according to IEC 61010-1 | III |
| protection class IP / at connection all terminals | IP20 |
| shock acceleration | 25 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 | 53.4 mm |
| height | 99 mm |
| depth | 71.5 mm |
| net weight | 355 g |
| **Electrical data** | |
| type of distribution system | TN-C, IT |
| operating voltage | 690 V |
| continuous operating voltage | |
| ● maximum | 760 V |
| apparent power consumption / maximum | 1 200 mVA |
| discharge current | |
| ● at (8/20) µs | 15 kA |
| ● 1 phase / at (8/20) µs | 30 kA |
| short-circuit rating (SCCR) / at 264 V | 25 kA |
| protection level | |
| ● maximum | 2.9 kV |
| residual voltage | |
| ● at rated value of discharge current / maximum | 2.9 kV |

| | |
|---|---|
| ● at 10 kA / maximum | 2.7 kV |
| ● at 5 kA / maximum | 2.5 kV |
| ● at 3 kA / maximum | 2.3 kV |
| | |
| ● Response time | 25 ns |
| adjustable response factor / of tripping current | 1.6 |
| fuse protection type / at V-shaped connection | 80 A AC (gG) |
| fuse protection type / for T-connector | 100 A AC (gG) |
| **Connections/ Terminals** | |
| type of electrical connection | Screw terminal |
| stripped length | 16 mm |
| tightening torque | 4.3 ... 4.7 |
| stripped length | 16 mm |
| connectable conductor cross-section | |
| ● for finely stranded conductor | 1.5 ... 25 |
| ● for rigid conductor | 1.5 ... 35 |
| AWG number / as coded connectable conductor cross section | 15 ... 2 |
| design of the thread / of the connection screw | M5 |
| signal design | Optical, remote signaling contact |
| **Indicator/remote signaling** | |
| switching function / of the remote signaling contacts | PDT contact |
| operating voltage / of the remote signaling contacts / at AC | 5 ... 250 |
| operational current / of the remote signaling contacts / at AC | 5 mA ... 1.5 A |
| connection type of remote signaling contact | M2 |
| connectable conductor cross-section | |
| ● for remote signaling contacts / for rigid conductor | 0.14 ... 1.5 |
| ● for finely stranded conductor / for remote signaling contacts | 0.14 ... 1.5 |
| AWG number / as coded connectable conductor cross section / for remote signaling contacts / minimum | 28 |
| AWG number / as coded connectable conductor cross section / for remote signaling contacts / maximum | 16 |
| tightening torque / for remote signaling contacts | 0.25 N·m |
| stripped length / of the cable / for remote signaling contacts | 7 mm |
| **NEMA/UL - Data** | |
| type of surge protective device (SPD) / according to UL | Type 4 SPD for Type 2 applications |
| type of distribution system / according to UL | 3D |
| type of distribution system | TN-C, IT |
| designation of the protective paths / according to UL | L-L, L-G |
| TOV behavior | |
| ● at TOV test voltage | 1000 V AC (5 s / withstand mode) |
| Measured Limiting Voltage (MLV) / between L and L | 4 kV |
| Measured Limiting Voltage (MLV) / between L and Ground (GND) | 2.5 kV |
| Maximum Continuous Operating Voltage (MCOV) / between L and Ground (GND) | 750 V |
| leakage current / according to UL | 10 kA |
| AWG number / as coded connectable conductor cross section / for remote signaling contacts / according to UL / minimum | 30 |
| AWG number / as coded connectable conductor cross section / for remote signaling contacts / according to UL / maximum | 14 |
| installation altitude above sea level / according to UL | 6 562 ft |
| gross weight [lb] / according to UL | 0.86 lb |
| net weight [lb] / according to UL | 0.78 lb |
| combustibility class according to UL 94 | V0 |
| operating voltage / of the remote signaling contacts / according to UL | 125 V |
| operational current / of the remote signaling contacts / at AC / according to UL | 1 A |
| AWG number / as coded connectable conductor cross section / according to UL / minimum | 10 |
| AWG number / as coded connectable conductor cross section / according to UL / maximum | 2 |
| **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=5SD7483-5
**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**
https://support.industry.siemens.com/cs/ww/en/ps/5SD7483-5
**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)**
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SD7483-5
**CAx-Online-Generator**
http://www.siemens.com/cax

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