



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

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	417 g
Electrical data	
type of distribution system	TN-C, IT
operating voltage	
• at AC	690 V
value range of the operating frequency	50 / 60 Hz
continuous operating voltage	
• at AC maximum	760 V
apparent power consumption maximum	1 200 mVA
discharge current at (8/20) μ s	15 kA
discharge current 1 phase at (8/20) μ s maximum	30 kA
short-circuit rating (SCCR) at 264 V	25 kA
protection level	
• maximum	2.9 kV
residual voltage	

<ul style="list-style-type: none"> • at rated value of discharge current maximum 	2.9 kV
<ul style="list-style-type: none"> • at 10 kA maximum 	2.7 kV
<ul style="list-style-type: none"> • at 5 kA maximum 	2.5 kV
<ul style="list-style-type: none"> • at 3 kA maximum 	2.3 kV
<ul style="list-style-type: none"> • 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 N·m
connectable conductor cross-section	
<ul style="list-style-type: none"> • for finely stranded conductor 	1.5 ... 25 mm ²
<ul style="list-style-type: none"> • for rigid conductor 	1.5 ... 35 mm ²
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	
product component remote signaling contact	Yes
switching function of the remote signaling contacts	PDT contact
operating voltage of the remote signaling contacts at AC	5 ... 250 V
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 mm ²
connectable conductor cross-section for remote signaling contacts for finely stranded conductor	0.14 ... 1.5 mm ²
AWG number as coded connectable conductor cross section for remote signaling contacts	28 ... 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	
<ul style="list-style-type: none"> • at TOV test voltage 	1000 V AC (5 s / withstand mode)
Measured Limiting Voltage (MLV)	
<ul style="list-style-type: none"> • between L and L 	4 kV
<ul style="list-style-type: none"> • between L and Ground (GND) 	2.5 kV
Maximum Continuous Operating Voltage (MCOV)	
<ul style="list-style-type: none"> • between L and Ground (GND) 	750 V
discharge current	
<ul style="list-style-type: none"> • between L and L according to UL rated value 	10 kA
AWG number as coded connectable conductor cross section	
<ul style="list-style-type: none"> • according to UL 	10 ... 2
<ul style="list-style-type: none"> • for remote signaling contacts according to UL 	30 ... 14
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
ambient temperature	
<ul style="list-style-type: none"> • during operation 	-40 ... +80 °C
<ul style="list-style-type: none"> • during storage 	-40 ... +80 °C
installation altitude above sea level according to UL	6 562 ft
gross weight [lb] according to UL	0.86 lb(av)
net weight [lb] according to UL	0.78 lb(av)
combustibility class according to UL 94	V0

Approvals Certificates

General Product Approval



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Further information

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,...)

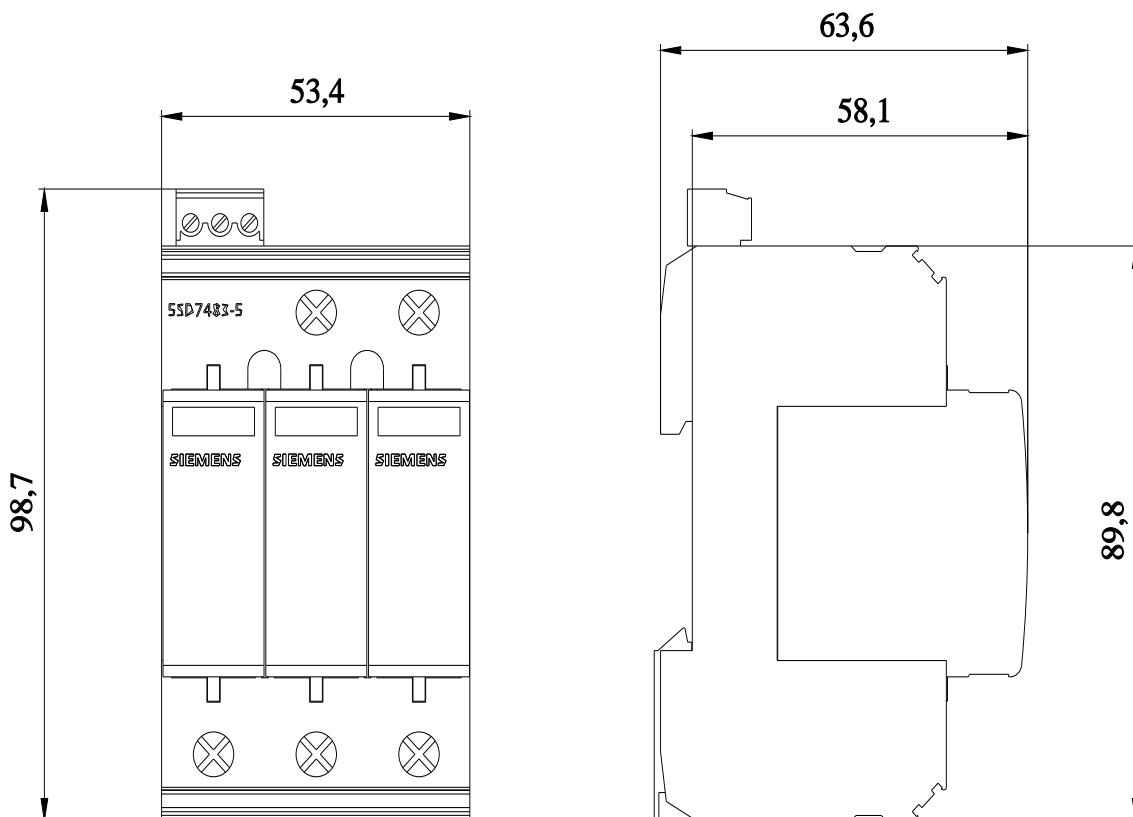
<https://support.industry.siemens.com/cs/ww/en/ps/5SD7483-5>

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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