



Surge arrester Type 2 Requirement class C, UC 350V Pluggable protective modules 1-pole, L-N circuit with remote display

General data	
standard	IEC 61643-11: 2011, EN 61643-11: 2012
product designation	Surge protection device
<b>SPD classification according to EN 61643-11</b>	
• 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	1
designation of the protective paths	L-PEN, L-N
accessories	1 x 5SD7468-1
fastening method	DIN rail NS 35
material of the enclosure	PA 6.6 / PBT
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	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	17.8 mm
height	97 mm
depth	71.5 mm
net weight	147 g
Electrical data	
type of distribution system	TN, TT
<b>operating voltage</b>	
• at AC	230 V
value range of the operating frequency	50 / 60 Hz
<b>continuous operating voltage</b>	
• at AC maximum	350 V
apparent power consumption maximum	150 mVA
discharge current at (8/20) µs	20 kA
discharge current 1 phase at (8/20) µs maximum	40 kA
short-circuit rating (SCCR) at 264 V	25 kA
<b>protection level</b>	1.4 kV
• maximum	1.5 kV

<b>residual voltage</b>	
• at rated value of discharge current maximum	1.5 kV
• at 10 kA maximum	1.3 kV
• at 5 kA maximum	1.2 kV
• at 3 kA maximum	1.1 kV
<b>• Response time</b>	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	125 A AC (gG)
<b>Connections/ Terminals</b>	
type of electrical connection	Screw terminal
stripped length	16 mm
tightening torque	4.3 ... 4.7 N·m
<b>connectable conductor cross-section</b>	
• for finely stranded conductor	1.5 ... 25 mm <sup>2</sup>
• for rigid conductor	1.5 ... 35 mm <sup>2</sup>
• finely stranded	0.5 ... 25 mm <sup>2</sup>
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
<b>Indicator/remote signaling</b>	
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 A
connection type of remote signaling contact	M2
connectable conductor cross-section for remote signaling contacts for rigid conductor	0.14 ... 1.5 mm <sup>2</sup>
connectable conductor cross-section for remote signaling contacts for finely stranded conductor	0.14 ... 1.5 mm <sup>2</sup>
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
<b>NEMA/UL - Data</b>	
type of distribution system	TN, TT
<b>TOV behavior</b>	
• at TOV test voltage	415 V AC (5 s / withstand mode) / 440 V AC (120 min / safe failure mode)
<b>ambient temperature</b>	
• during operation	-40 ... +80 °C
• during storage	-40 ... +80 °C
combustibility class according to UL 94	V-0
<b>Approvals Certificates</b>	
<b>General Product Approval</b>	<b>other</b>

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<b>other</b>	<b>Environment</b>
<a href="#">Miscellaneous</a>	<a href="#">Environmental Con- firmations</a>
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<b>Further information</b>
Information on the packaging <a href="https://support.industry.siemens.com/cs/ww/en/view/109813875">https://support.industry.siemens.com/cs/ww/en/view/109813875</a>

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=5SD7461-1>

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

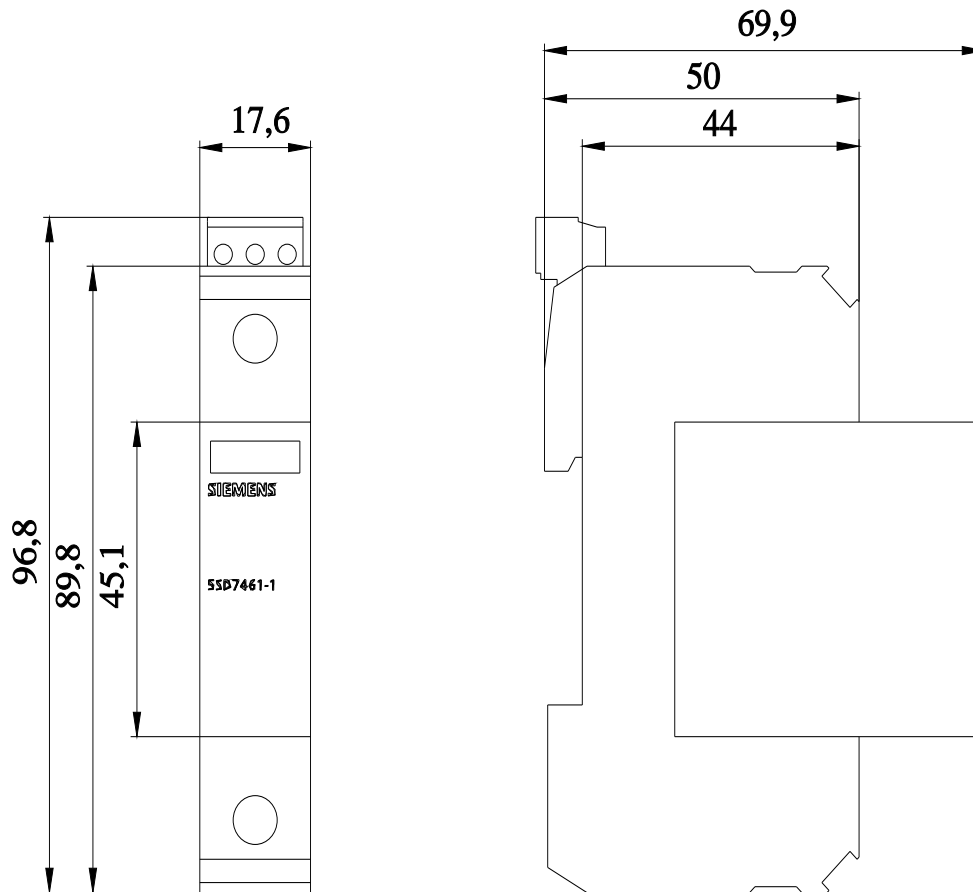
<https://support.industry.siemens.com/cs/ww/en/ps/5SD7461-1>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SD7461-1](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SD7461-1)

CAX-Online-Generator

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



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