



Surge arrester Type 2 Requirement class C, UC 350V Pluggable protective modules 3-pole, 3+0 circuit for TNC systems

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	3
designation of the protective paths	L-PEN
accessories	3 x 5SD7468-1
fastening method	DIN rail NS 35
material of the enclosure	PA 6.6 / PBT
size of surge arrester	3 MW
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	90 mm
depth	71.5 mm
net weight	361 g
Electrical data	
type of distribution system	TN-C
<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	450 mVA
discharge current at (8/20) $\mu$ s	20 kA
discharge current 1 phase at (8/20) $\mu$ s 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
<b>Indicator/remote signaling</b>	
product component remote signaling contact	No
<b>NEMA/UL - Data</b>	
type of distribution system	TN-C
<b>TOV behavior</b>	
• at TOV test voltage	415 V AC (5 s / withstand mode)
• at TOV test voltage (L-N)	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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## Environment

[Environmental Con-  
firmations](#)

[Environmental Con-  
firmations](#)

## 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=5SD7463-0>

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

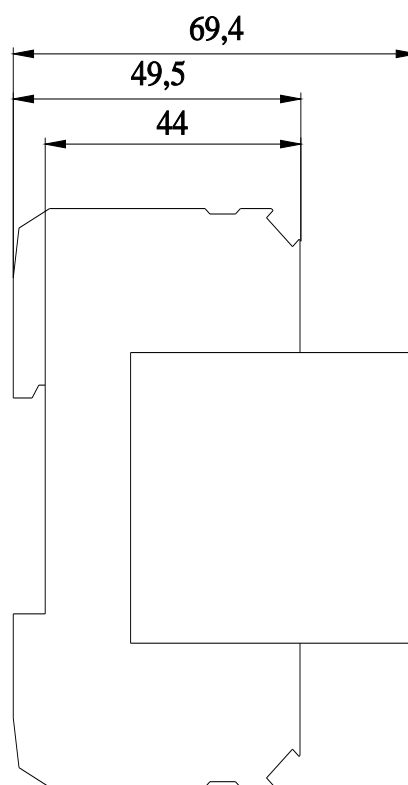
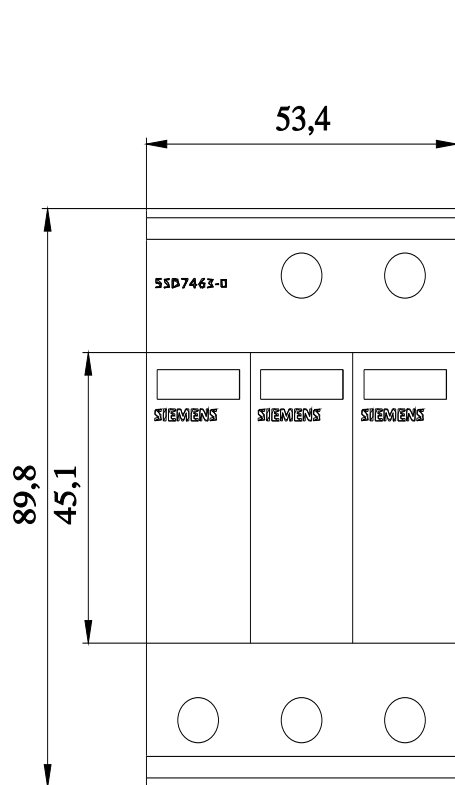
<https://support.industry.siemens.com/cs/ww/en/ps/5SD7463-0>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SD7463-0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SD7463-0)

### CAX-Online-Generator

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



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