



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

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	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	90 mm
depth	71.5 mm
net weight	109 g
Electrical data	
type of distribution system	TN, TT
operating voltage	
• at AC	230 V
value range / of the operating frequency	50 / 60 Hz
continuous operating voltage	
• at AC / maximum	350 V
apparent power consumption / maximum	150 mVA
discharge current / at (8/20) μ s	20 kA
discharge current / 1 phase / at (8/20) μ s / maximum	40 kA
short-circuit rating (SCCR) / at 264 V	25 kA
protection level	
• maximum	1.4 kV
	1.5 kV

residual voltage	
<ul style="list-style-type: none"> • at rated value of discharge current / maximum • at 10 kA / maximum • at 5 kA / maximum • at 3 kA / maximum 	1.5 kV 1.3 kV 1.2 kV 1.1 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	125 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 • for rigid conductor • finely stranded 	1.5 ... 25 mm ² 1.5 ... 35 mm ² 0.5 ... 25 mm ²
AWG number / as coded connectable conductor cross section	15 ... 2
design of the thread / of the connection screw	M5
signal design	optical
Indicator/remote signaling	
product component / remote signaling contact	No
NEMA/UL - Data	
type of distribution system	TN, TT
TOV behavior	
<ul style="list-style-type: none"> • at TOV test voltage 	415 V AC (5 s / withstand mode) / 440 V AC (120 min / safe failure mode)
ambient temperature	
<ul style="list-style-type: none"> • during operation • during storage 	-40 ... +80 °C -40 ... +80 °C
combustibility class according to UL 94	V-0
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=5SD7461-0>

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

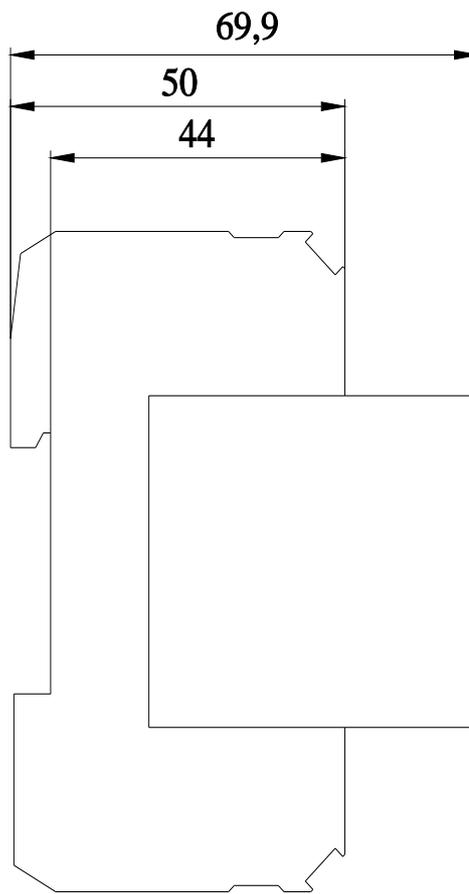
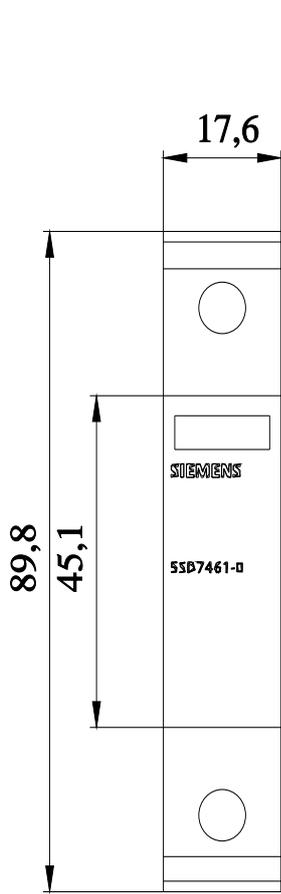
<https://support.industry.siemens.com/cs/ww/en/ps/5SD7461-0>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SD7461-0

CAX-Online-Generator

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



last modified:

2/29/2024 

