



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	142 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) µs	20 kA
discharge current 1 phase at (8/20) µs maximum	40 kA
short-circuit rating (SCCR) at 264 V	25 kA
protection level	1.4 kV
• maximum	1.5 kV

residual voltage	
• 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
• 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	
• for finely stranded conductor	1.5 ... 25 mm ²
• for rigid conductor	1.5 ... 35 mm ²
• finely stranded	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	
• at TOV test voltage	415 V AC (5 s / withstand mode) / 440 V AC (120 min / safe failure mode)
ambient temperature	
• during operation	-40 ... +80 °C
• during storage	-40 ... +80 °C
combustibility class according to UL 94	V-0
Approvals Certificates	
General Product Approval	other

[Confirmation](#)



EG-Konf.



KEMA



[Miscellaneous](#)

[Confirmation](#)

other	Environment
--------------	--------------------

[Miscellaneous](#)

[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=5SD7461-0>

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

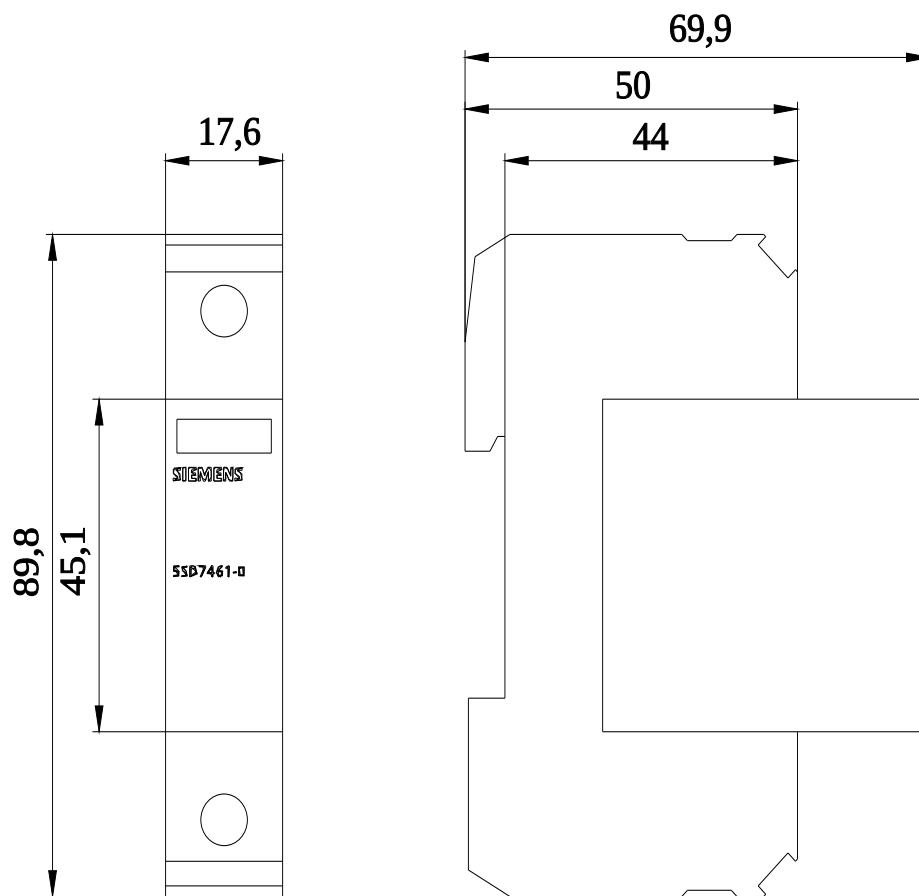
<https://support.industry.siemens.com/cs/ww/en/ps/5SD7461-0>

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:

7/3/2024 

