SIEMENS

Data sheet 5SD7461-0

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	230 V
continuous operating voltage	
● maximum	350 V
apparent power consumption / maximum	150 mVA
discharge current	
● at (8/20) µs	20 kA
● 1 phase / at (8/20) µs	40 kA
short-circuit rating (SCCR) / at 264 V	25 kA
protection level	1.4 kV
● maximum	1.5 kV
residual voltage	

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● 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
stripped length	16 mm
connectable conductor cross-section	
● for finely stranded conductor	1.5 ... 25
● for rigid conductor	1.5 ... 35
● finely stranded	0.5 ... 25
AWG number / as coded connectable conductor cross section	15 ... 2
design of the thread / of the connection screw	M5
signal design	optical
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)
combustibility class according to UL 94	V-0

Further information

Siemens has decided to exit the Russian market (see here).
https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business
Siemens is working on the renewal of the current EAC certificates.
Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).
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

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