## SIEMENS

## Data sheet

## 5SD7463-1



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

General data	
standard	IEC 61643-11: 2011, EN 61643-11: 2012
product designation	Surge protection device
SPD classification / acc. to EN 61643-11	
<ul> <li>Test Class I, Type 1</li> </ul>	No
Test Class II, Type 2	Yes
Test Class III, Type 3	No
number of SPD ports	1
Product version	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	3WM
Degree of pollution	2
overvoltage category / acc. 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
Ambient temperature / during operation / minimum permissible ambient temperature / during operation / maximum permissible	-40 °C 80 °C
ambient temperature / during storage and transport	-40 °C 80 °C
relative humidity / during operation	5 % 95 %
installation altitude / at height above sea level / maximum	2 000 m
Width	53.4 mm
Height	99 mm
depth	71.5 mm
net weight	341 g
Electrical data	
type of distribution system	TN-C
operating voltage	240 / 415 V AC
operating voltage	230 V
operating frequency	50/60 Hz
continuous operating voltage	
• maximum	350 V

load current	80 A
protective conductor current	
-	1.35 mA (255 V AC) 450 mVA
apparent power consumption / maximum discharge current	- +50 IIIVA
• at (8/20) µs	20 kA
	40 kA
• 1 phase / at (8/20) μs 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
stripped length	16 mm
connectable conductor cross-section	
<ul> <li>for finely stranded conductor</li> </ul>	1.5 25
<ul> <li>for rigid conductor</li> </ul>	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, remote signaling contact
Indicator/remote signaling	
switching function / of the remote signaling contacts	PDT contact
operating voltage / of the remote signaling contacts	
• at AC	5 250
• at DC	30 V
operational current / of the remote signaling contacts	
• at AC	5 mA 1 A
• at DC	1 A DC (30 V DC)
connection type of remote signaling contact	M2
connectable conductor cross-section	
<ul> <li>for remote signaling contacts / for rigid conductor</li> </ul>	0.14 1.5
<ul> <li>for finely stranded conductor / for remote signaling</li> </ul>	0.14 1.5
AWG number / as coded connectable conductor cross	28
section / for remote signaling contacts / minimum           AWG number / as coded connectable conductor cross	16
section / for remote signaling contacts / maximum	
tightening torque / for remote signaling contacts	0.25 N·m
stripped length / of the cable / for remote signaling contacts	7 mm
NEMA/UL - Data	
type of distribution system	TN-C
TOV behavior	
<ul> <li>at TOV test voltage</li> </ul>	415 V AC (5 s / withstand mode)
<ul> <li>at TOV test voltage (L-N)</li> </ul>	440 V AC (120 min / safe failure mode)
combustibility class acc. to UL 94	V-0
	V-0

Information- and Downloadcenter (Catalogs, Brochures,...)

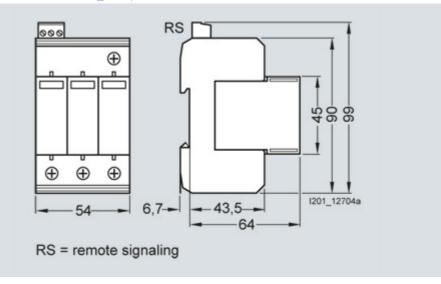
http://www.siemens.com/lowvoltage/catalogs

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SD7463-1

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/5SD7463-1

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=5SD7463-1



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