SIEMENS

Data sheet 5SD7432-6



SPD type 3, UN=120V AC/150V DC DC, UC=150V AC/DC,UOC=2kV, 2-pol, with remote signaling width 17,7mm

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	No
Test Class III, Type 3	Yes
number of SPD ports	1
design of the product	Surge arrester
design of pole	2
designation of the protective paths	L-N, L-PE, N-PE, (L+)-(L-), (L+/L-)-PE
fastening method	DIN rail NS 35
material / of the enclosure	PA 6.6-FR
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	30 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	17.7 mm
height	90 mm
depth	74.5 mm
net weight	77 g
Electrical data	
type of distribution system	TT, TN-S
operating voltage	120 V
continuous operating voltage	
• maximum	150 V
maximum	150 V
apparent power consumption / maximum	13.5 mVA
discharge current	
• at (8/20) μs	5 kA
short-circuit rating (SCCR) / at 264 V	10 kA
protection level	
between L and N	1.95 kV
between L and PE	0.85 kV
between N and L	0.75 kV

 between N and PE 	0.85 kV
 between PE and N and/or L 	0.85 kV
response time / between L and (PE)N	25 ns
• response time / between N and PE	100 ns
adjustable response factor / of tripping current	1.6
fuse protection type / at V-shaped connection	25 A (gG / B / C)
insulation resistance (Riso)	5 ΜΩ
MPP voltage	150 V
Connections/ Terminals	
type of electrical connection	Screw terminal
stripped length	10 mm
tightening torque	0.5 0.5
stripped length	10 mm
connectable conductor cross-section	
for finely stranded conductor	0.2 2.5
for rigid conductor	0.2 4
• finely stranded	0.2 2.5
AWG number / as coded connectable conductor cross section	30 12
design of the thread / of the connection screw	M3
signal design	Defect signaling contact
Indicator/remote signaling	
switching function / of the remote signaling contacts	N/C contact
operating voltage / of the remote signaling contacts / at AC	250 250
operational current / of the remote signaling contacts / at AC	0.5 mA 0.5 A
connection type of remote signaling contact	M3
connectable conductor cross-section	
• for remote signaling contacts / for rigid conductor	0.2 4
 for finely stranded conductor / for remote signaling contacts 	0.2 2.5
tightening torque / for remote signaling contacts	0.5 N·m
stripped length / of the cable / for remote signaling contacts	10 mm
NEMA/UL - Data	
type of distribution system	TT, TN-S
TOV behavior	
 at TOV test voltage 	240 V AC (120 min / withstand mode)
 at TOV test voltage (L-N) 	240 V AC (5 s / withstand mode) / 240 V AC (120 min / withstand mode)
 at TOV test voltage (N-PE) 	1200 V (200 ms / withstand mode)
combustibility class according to UL 94	V0
AWG number / as coded connectable conductor cross section / according to UL / minimum	16
AWG number / as coded connectable conductor cross section / according to UL / maximum	12
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

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=5SD7432-6

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

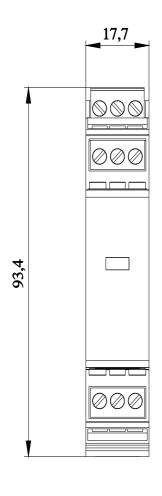
t.industry.siemens.com/cs/ww/en/ps/5SD7432-6

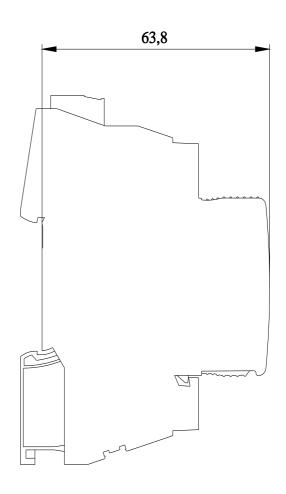
 $Image\ database\ (product\ images,\ 2D\ dimension\ drawings,\ 3D\ models,\ device\ circuit\ diagrams,\ ...)$

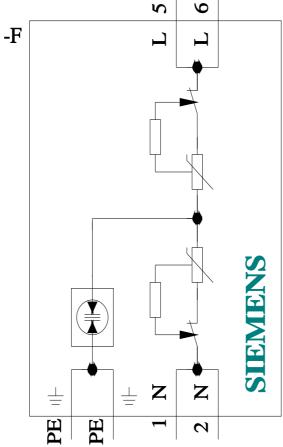
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SD7432-6

CAx-Online-Generator

http://www.siemens.com/cax







last modified:

8/29/2023