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 / acc. 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
Product version	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 / acc. to IEC 61010-1	Ш
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
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	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 acc. 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	

 $Information-\ and\ Download center\ (Catalogs,\ Brochures,...)$

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,...)

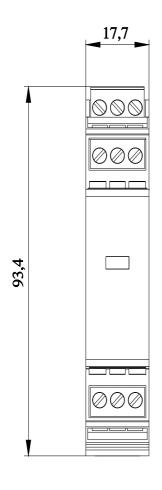
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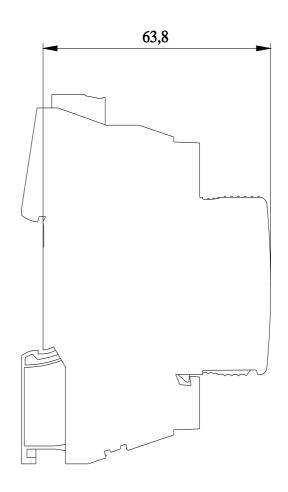
 $Image\ database\ (product\ images,\ 2D\ dimension\ drawings,\ 3D\ models,\ device\ circuit\ diagrams,\ ...)$

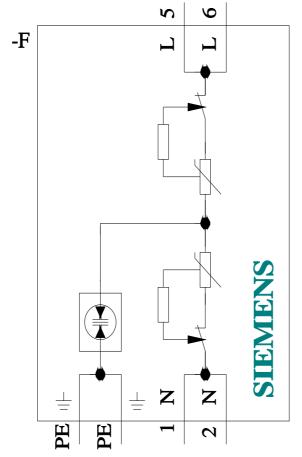
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CAx-Online-Generator

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7