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	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
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 MΩ
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 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,...)
https://support.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