SIEMENS

Data sheet 5SD7432-5



SPD type 3, UN=24V AC/34V DC UC=34V 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 \dots 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	TN-S
operating voltage	24 V
continuous operating voltage	
• maximum	34 V
• maximum	34 V
apparent power consumption / maximum	4.8 mVA
discharge current	
• at (8/20) μs	1 kA
short-circuit rating (SCCR) / at 264 V	10 kA
protection level	
 between L and N 	0.2 kV
 between L and PE 	0.6 kV
between N and L	1.25 kV

 between N and PE 	0.6 kV	
 between PE and N and/or L 	0.6 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	44 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	24 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	TN-S	
TOV behavior		
 at TOV test voltage 	50 V AC (120 min / withstand mode)	
at TOV test voltage (L-N)	50 V AC (50 V AC (120 min / 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		
Sigmons has decided to exit the Bussian market (see here)		

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=5SD7432-5

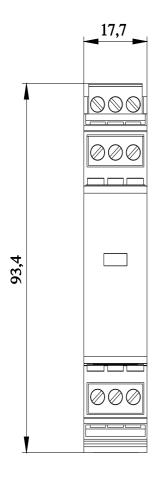
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

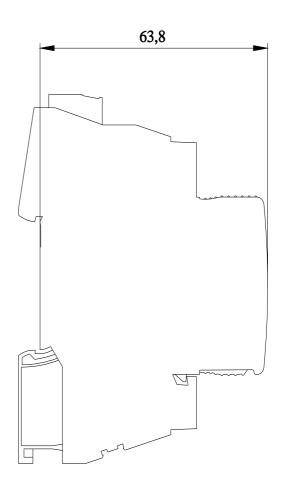
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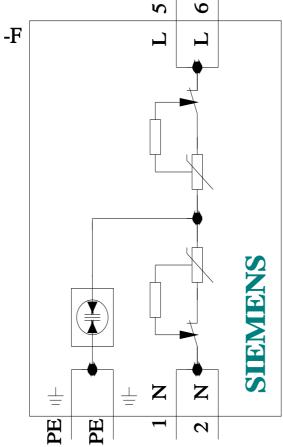
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SD7432-5

CAx-Online-Generator

http://www.siemens.com/cax







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