



SPD type 3, UN=240V AC/DC 264V AC/240V DC, UOC=6kV, 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	230 V
continuous operating voltage	
• maximum	264 V
• maximum	240 V
apparent power consumption / maximum	26.4 mVA
discharge current	
• at (8/20) μs	5 kA
short-circuit rating (SCCR) / at 264 V	10 kA
protection level	
• between L and N	1.4 kV
• between L and PE	1.4 kV
• between N and L	0.2 kV

• between N and PE	1.4 kV
• between PE and N and/or L	1.4 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	240 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	457 V AC (120 min / withstand mode)
• at TOV test voltage (L-N)	400 V AC (5 s / withstand mode) / 457 V AV 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

<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=5SD7432-7>

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

<https://support.industry.siemens.com/cs/ww/en/ps/5SD7432-7>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SD7432-7

CAX-Online-Generator

<http://www.siemens.com/cax>



