



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
<b>SPD classification / according to EN 61643-11</b>	
• 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	TN-S
<b>operating voltage</b>	
• at AC	24 V
value range / of the operating frequency	50 / 60 Hz
<b>continuous operating voltage</b>	
• at AC / maximum	34 V
• at DC / maximum	34 V
apparent power consumption / maximum	4.8 mVA
discharge current / at (8/20) $\mu$ s	1 kA
short-circuit rating (SCCR) / at 264 V	10 kA
<b>protection level</b>	
• between L and N / maximum	0.2 kV
• between L and PE / maximum	0.6 kV

<ul style="list-style-type: none"> <li>• between N and L</li> </ul>	1.25 kV
<ul style="list-style-type: none"> <li>• between N and PE / maximum</li> </ul>	0.6 kV
<ul style="list-style-type: none"> <li>• between PE and N and/or L</li> </ul>	0.6 kV
<ul style="list-style-type: none"> <li>• response time / between L and (PE)N</li> </ul>	25 ns
<ul style="list-style-type: none"> <li>• response time / between N and PE</li> </ul>	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	44 V

#### Connections/ Terminals

type of electrical connection	Screw terminal
stripped length	10 mm
tightening torque	0.5 ... 0.5 N·m
<b>connectable conductor cross-section</b>	
<ul style="list-style-type: none"> <li>• for finely stranded conductor</li> </ul>	0.2 ... 2.5 mm <sup>2</sup>
<ul style="list-style-type: none"> <li>• for rigid conductor</li> </ul>	0.2 ... 4 mm <sup>2</sup>
<ul style="list-style-type: none"> <li>• finely stranded</li> </ul>	0.2 ... 2.5 mm <sup>2</sup>
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

product component / remote signaling contact	Yes
switching function / of the remote signaling contacts	N/C contact
operating voltage / of the remote signaling contacts / at AC	250 ... 250 V
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 mm <sup>2</sup>
connectable conductor cross-section / for finely stranded conductor / for remote signaling contacts ...	0.2 ... 2.5 mm <sup>2</sup>
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
<b>TOV behavior</b>	
<ul style="list-style-type: none"> <li>• at TOV test voltage</li> </ul>	50 V AC (120 min / withstand mode)
<ul style="list-style-type: none"> <li>• at TOV test voltage (L-N)</li> </ul>	50 V AC (50 V AC (120 min / withstand mode))
<b>AWG number / as coded connectable conductor cross section</b>	
<ul style="list-style-type: none"> <li>• according to UL</li> </ul>	16 ... 12
<b>ambient temperature</b>	
<ul style="list-style-type: none"> <li>• during operation</li> </ul>	-40 ... +80 °C
<ul style="list-style-type: none"> <li>• during storage</li> </ul>	-40 ... +80 °C
combustibility class according to UL 94	V0

#### Further information

##### 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,...)

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

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SD7432-5](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SD7432-5)

##### CAX-Online-Generator

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



