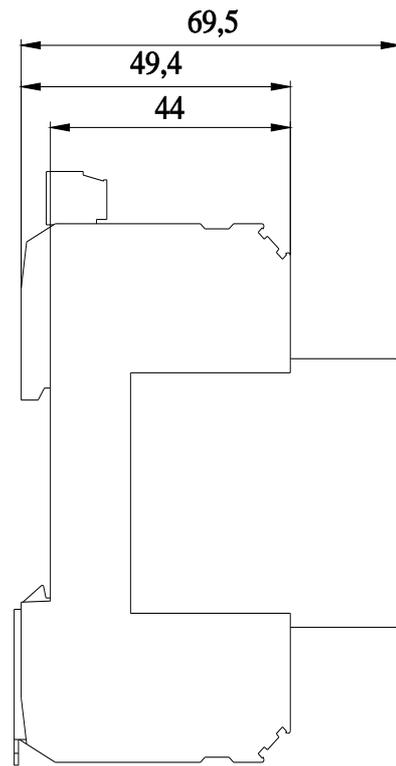
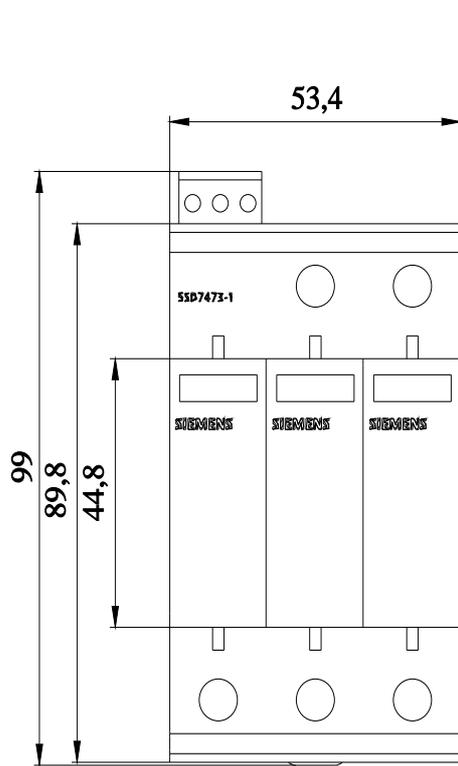




Surge arrester Type 2 UC 600 V AC Pluggable protective modules 3-pole, 3+0 circuit for IT systems without supplied N-conductor with remote signaling contact

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	Yes
• Test Class III, Type 3	No
number of SPD ports	1
design of the product	Surge arrester
design of pole	3
designation of the protective paths	L-PEN, L-PE
accessories	3 x 5SD7498-1
fastening method	DIN rail NS 35
material / of the enclosure	PA 6.6 / PBT
size of surge arrester	3 MW
degree of pollution	2
overvoltage category / according to IEC 61010-1	III
protection class IP / at connection all terminals	IP20
shock acceleration	25 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	53.4 mm
height	99 mm
depth	71.5 mm
net weight	386 g
Electrical data	
type of distribution system	TN-C, IT
<b>operating voltage</b>	
• at AC	690 V
value range / of the operating frequency	50 / 60 Hz
<b>continuous operating voltage</b>	
• at AC / maximum	580 V
apparent power consumption / maximum	450 mVA
discharge current / at (8/20) $\mu$ s	15 kA
discharge current / 1 phase / at (8/20) $\mu$ s / maximum	30 kA
short-circuit rating (SCCR) / at 264 V	25 kA
<b>protection level</b>	2.5 kV
• maximum	2.5 kV

<b>residual voltage</b>	
<ul style="list-style-type: none"> <li>• at rated value of discharge current / maximum</li> </ul>	2.5 kV
<ul style="list-style-type: none"> <li>• at 10 kA / maximum</li> </ul>	2.3 kV
<ul style="list-style-type: none"> <li>• at 5 kA / maximum</li> </ul>	2.1 kV
<ul style="list-style-type: none"> <li>• at 3 kA / maximum</li> </ul>	1.9 kV
<b>• Response time</b>	25 ns
adjustable response factor / of tripping current	1.6
fuse protection type / at V-shaped connection	80 A AC (gG)
fuse protection type / for T-connector	125 A AC (gG)
<b>Connections/ Terminals</b>	
type of electrical connection	Screw terminal
stripped length	16 mm
tightening torque	4.3 ... 4.7 N·m
<b>connectable conductor cross-section</b>	
<ul style="list-style-type: none"> <li>• for finely stranded conductor</li> </ul>	1.5 ... 25 mm <sup>2</sup>
<ul style="list-style-type: none"> <li>• for rigid conductor</li> </ul>	1.5 ... 35 mm <sup>2</sup>
<ul style="list-style-type: none"> <li>• finely stranded</li> </ul>	1.5 ... 25 mm <sup>2</sup>
AWG number / as coded connectable conductor cross section	15 ... 2
design of the thread / of the connection screw	M5
signal design	Optical, remote signaling contact
<b>Indicator/remote signaling</b>	
product component / remote signaling contact	Yes
switching function / of the remote signaling contacts	PDT contact
operating voltage / of the remote signaling contacts / at AC	5 ... 250 V
operational current / of the remote signaling contacts / at AC	5 mA ... 1.5 A
connection type of remote signaling contact	M2
connectable conductor cross-section / for remote signaling contacts / for rigid conductor	0.14 ... 1.5 mm <sup>2</sup>
connectable conductor cross-section / for finely stranded conductor / for remote signaling contacts ...	0.14 ... 1.5 mm <sup>2</sup>
AWG number / as coded connectable conductor cross section / for remote signaling contacts	28 ... 16
tightening torque / for remote signaling contacts	0.25 N·m
stripped length / of the cable / for remote signaling contacts	7 mm
<b>NEMA/UL - Data</b>	
type of distribution system	TN-C, IT
<b>TOV behavior</b>	
<ul style="list-style-type: none"> <li>• at TOV test voltage</li> </ul>	690 V AC (5 s / withstand mode)
<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	V-0
<b>Further information</b>	
<b>Information on the packaging</b> <a href="https://support.industry.siemens.com/cs/ww/en/view/109813875">https://support.industry.siemens.com/cs/ww/en/view/109813875</a>	
<b>Information- and Downloadcenter (Catalogs, Brochures,...)</b> <a href="http://www.siemens.com/lowvoltage/catalogs">http://www.siemens.com/lowvoltage/catalogs</a>	
<b>Industry Mall (Online ordering system)</b> <a href="https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SD7473-1">https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SD7473-1</a>	
<b>Service&amp;Support (Manuals, Certificates, Characteristics, FAQs,...)</b> <a href="https://support.industry.siemens.com/cs/ww/en/ps/5SD7473-1">https://support.industry.siemens.com/cs/ww/en/ps/5SD7473-1</a>	
<b>Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)</b> <a href="http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SD7473-1">http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SD7473-1</a>	
<b>CAx-Online-Generator</b> <a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a>	



last modified:

3/12/2024 

