



surge arrester T2, UC 1000V DC, I<sub>max</sub> 40 kA Short-circuit strength 2000 A, 2+V circuit, for isolated and grounded PV systems

General data	
standard	IEC 61643-31: 2022
<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
design of pole	2
designation of the protective paths	(L+)-(L-)
fastening method	DIN rail NS 35
material / of the enclosure	PA 6.6
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
relative humidity / during operation	5 ... 95 %
installation altitude / at height above sea level / maximum	2 000 m
width	53 mm
height	90 mm
depth	66 mm
net weight	329 g
Electrical data	
type of distribution system	PV
<b>operating voltage</b>	
• at DC	1 000 V
<b>continuous operating voltage</b>	
• at DC / maximum	1 000 V
discharge current / at (8/20) μs	15 kA
discharge current / 1 phase / at (8/20) μs / maximum	40 kA
<b>protection level</b>	3.7 kV
• maximum	3.7 kV
<b>residual voltage</b>	
• at rated value of discharge current / maximum	3.7 kV
• at 10 kA / maximum	3.7 kV
• at 5 kA / maximum	3.1 kV
• <b>Response time</b>	25 ns
MPP voltage	1 170 V
Connections/ Terminals	
type of electrical connection	Screw terminal
stripped length	16 mm

tightening torque	3 ... 4.5 N·m
<b>connectable conductor cross-section</b>	
• for finely stranded conductor	1.5 ... 25 mm <sup>2</sup>
• for rigid conductor	1.5 ... 35 mm <sup>2</sup>
• finely stranded	1.5 ... 25 mm <sup>2</sup>
AWG number / as coded connectable conductor cross section	10 ... 2
signal design	optical
<b>Indicator/remote signaling</b>	
product component / remote signaling contact	No
<b>NEMA/UL - Data</b>	
type of distribution system	PV
<b>ambient temperature</b>	
• during operation	-40 ... +80 °C
• during storage	-40 ... +80 °C
combustibility class according to UL 94	V0
<b>Further information</b>	

**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=5SD7483-0KK02>

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

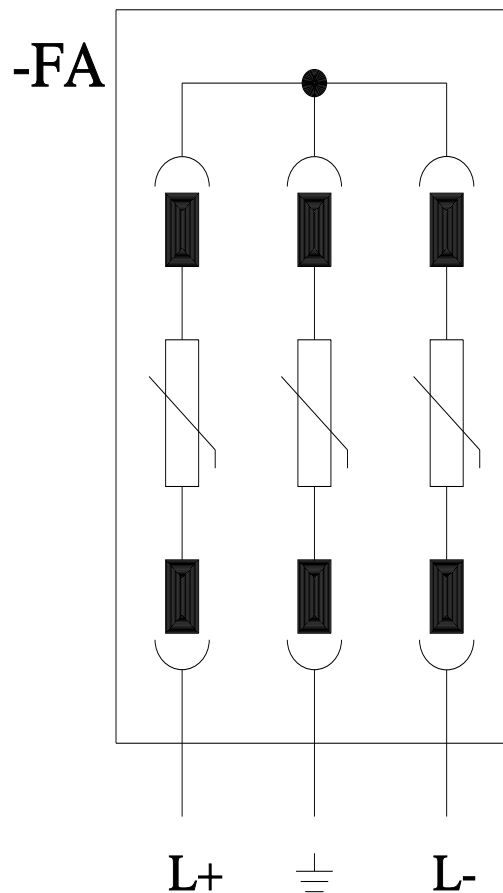
<https://support.industry.siemens.com/cs/ww/en/ps/5SD7483-0KK02>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=5SD7483-0KK02](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SD7483-0KK02)

**CAX-Online-Generator**

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



last modified:

2/29/2024

