



SPD Type 2, 3P fuer PV UCPV 1170V d.c. 2+V CIRCUIT

General data	
standard	EN 50539-11
product designation	Surge protection device
SPD classification according to EN 61643-11	
• Test Class I, Type 1	Yes
• 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	Other
designation of the protective paths	(L+)-(L-)
fastening method	DIN rail 35 mm
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
relative humidity during operation	5 ... 95 %
installation altitude at height above sea level maximum	2 000 m
width	53.4 mm
height	90 mm
depth	71.5 mm
net weight	381 g
Electrical data	
type of distribution system	PV
operating voltage	
• at DC	1 000 V
continuous operating voltage	
• at DC maximum	1 000 V
apparent power consumption maximum	25 mVA
discharge current at (8/20) μ s	15 kA
total discharge current at (8/20) μ s	40 kA
discharge current 1 phase at (8/20) μ s maximum	40 kA
lightning current peak value at (10/350) μs	5 kA
short-circuit rating (SCCR) at 264 V	0.3 kA
protection level	3.5 kV
• maximum	3.5 kV
• between L and PE maximum	3.5 kV
residual voltage	
• at rated value of discharge current maximum	3.5 kV

<ul style="list-style-type: none"> • at 10 kA maximum • at 5 kA maximum • at 2 kA maximum 	3.2 kV
	2.9 kV
	2.6 kV
• Response time	25 ns
fuse protection type at V-shaped connection	Not required
fuse protection type for T-connector	Not required
MPP voltage	1 050 V

Connections/ Terminals	
type of electrical connection	Screw terminal
stripped length	16 mm
tightening torque	4.3 ... 4.7 N·m
connectable conductor cross-section	
<ul style="list-style-type: none"> • for finely stranded conductor • for rigid conductor • finely stranded 	1.5 ... 25 mm ²
	1.5 ... 35 mm ²
	1.5 ... 25 mm ²
AWG number as coded connectable conductor cross section	15 ... 2
design of the thread of the connection screw	M5
signal design	optical

Indicator/remote signaling	
product component remote signaling contact	No

NEMA/UL - Data	
type of distribution system	PV
ambient temperature	
<ul style="list-style-type: none"> • during operation • during storage 	-40 ... +80 °C
	-40 ... +80 °C
combustibility class according to UL 94	V0

Approvals Certificates		
General Product Approval	other	Environment

[Confirmation](#)



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Environment

[Environmental Confirmations](#)

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=5SD7483-6RC>
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
<https://support.industry.siemens.com/cs/ww/en/ps/5SD7483-6RC>
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SD7483-6RC
CAX-Online-Generator
<http://www.siemens.com/cax>

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