



surge arrester, T2, Uc 1000 V DC, I_{max} 40 kA short-circuit strength 2000 A, 2+V circuit, for isolated and grounded PV systems

General data	
standard	IEC 61643-31: 2022
SPD classification according to EN 61643-11	
• Test Class I, Type 1	No
• Test Class II, Type 2	Yes
• Test Class III, Type 3	No
design of the product	Surge arrester
design of pole	2
designation of the protective paths	(L+)-(L-)
fastening method	TH35 DIN rail
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
Electrical data	
type of distribution system	PV
operating voltage	
• at DC	1 000 V
continuous operating voltage	
• 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
protection level	3.7 kV
• maximum	3.7 kV
residual voltage	
• at rated value of discharge current maximum	3.7 kV
• at 10 kA maximum	3.7 kV
• at 5 kA maximum	3.1 kV
• Response time	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
connectable conductor cross-section	
• for finely stranded conductor	1.5 ... 25 mm ²
• for rigid conductor	1.5 ... 35 mm ²
• finely stranded	1.5 ... 25 mm ²
AWG number as coded connectable conductor cross section	10 ... 2
signal design	optical

Indicator/remote signaling

product component remote signaling contact	No
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NEMA/UL - Data

type of distribution system	PV
ambient temperature	
• during operation	-40 ... +80 °C
• during storage	-40 ... +80 °C
combustibility class according to UL 94	V0

Approvals Certificates

General Product Approval	other
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[Confirmation](#)



[Confirmation](#)

Environment

[Environmental Confirmations](#)

[Environmental Confirmations](#)

Further information

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

Information- and Downloadcenter (Catalogs, Brochures,...)

<https://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, ...)

https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SD7483-0KK02

CAX-Online-Generator

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



