SIEMENS

Data sheet 5SD7483-0KK01



surge arrester, T2, Uc 600 V DC, Imax 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
net weight	322 g
Electrical data	
type of distribution system	PV
operating voltage	
● at DC	600 V
continuous operating voltage	
● at DC maximum	600 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	2.7 kV
● at 10 kA maximum	2.5 kV
● at 5 kA maximum	2.5 kV
● **Response time**	25 ns
MPP voltage	800 V
Connections/ Terminals	

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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 mm²
● for rigid conductor	1.5 ... 35 mm²
● finely stranded	1.5 ... 25 mm²
AWG number as coded connectable conductor cross section	10 ... 2
signal design	optical

Indicator/remote signaling

product component remote signaling contact	No

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	Environment
CE EG-Konf. EAC KEMA KEUR KEMA	Confirmation 产品合格 QC PASS	Environmental Con-firmations

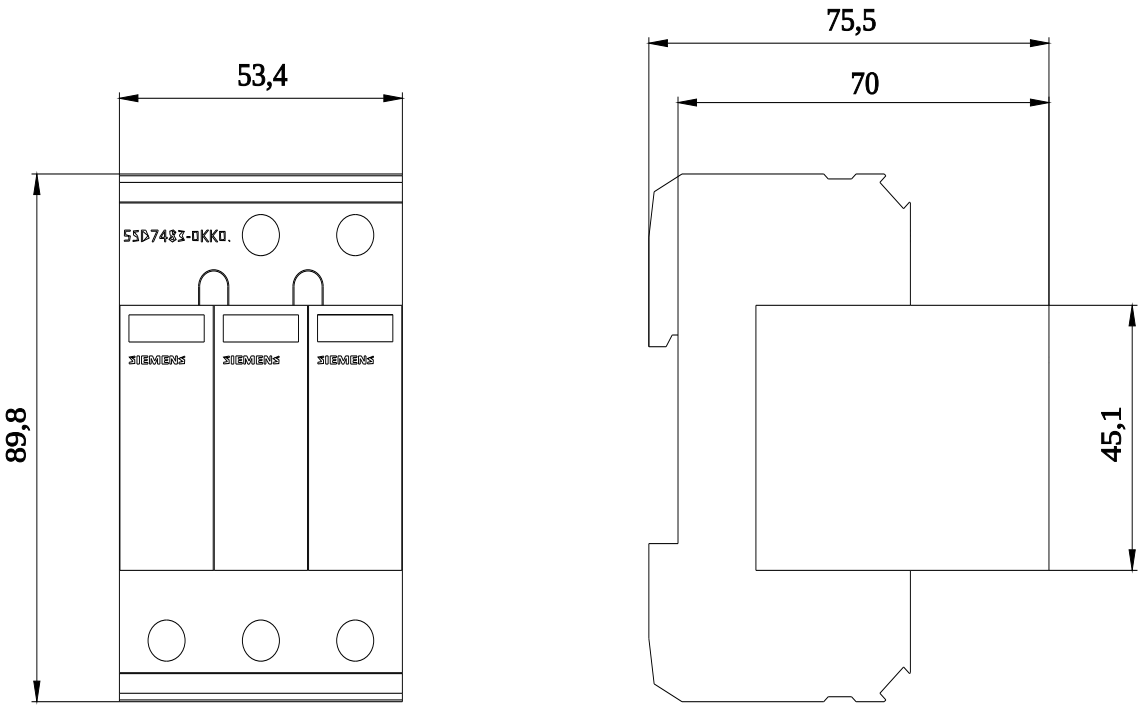
Environment

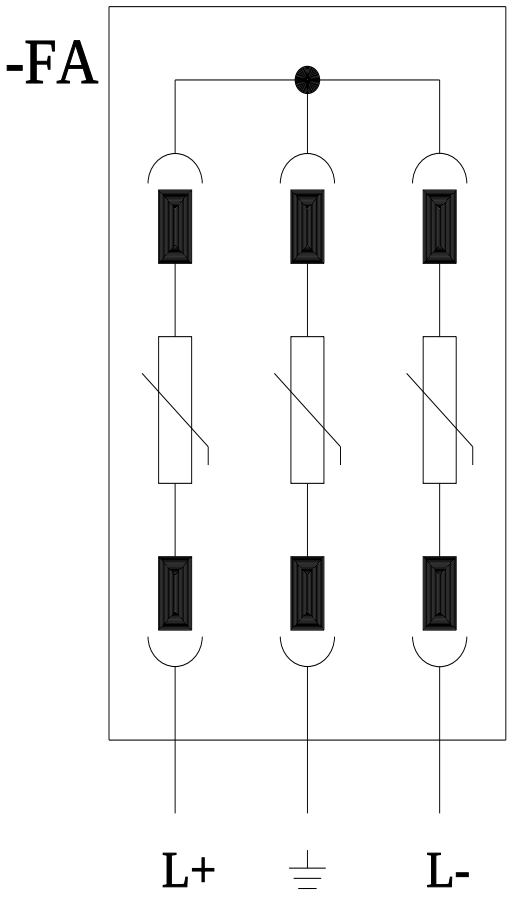
Environmental Con-firmations

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=5SD7483-0KK01
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/5SD7483-0KK01
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SD7483-0KK01
CAx-Online-Generator
https://www.siemens.com/cax

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