



surge arrester T1/T2, UC 1050V DC, I_{max} 40 kA Short-circuit strength 80 A, 2+V circuit, for isolated and grounded PV systems

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-)
accessories	3 x 5SD7498-3
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	1 000 V
continuous operating voltage	
• maximum	1 000 V
apparent power consumption / maximum	25 mVA
discharge current	
• at (8/20) μs	15 kA
• 1 phase / at (8/20) μs	40 kA
total discharge current / at (8/20) μs	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	3.5 kV
residual voltage	

<ul style="list-style-type: none"> • at rated value of discharge current / maximum • at 10 kA / maximum • at 5 kA / maximum • at 2 kA / maximum 	3.5 kV 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
stripped length	16 mm
connectable conductor cross-section <ul style="list-style-type: none"> • for finely stranded conductor • for rigid conductor • finely stranded 	1.5 ... 25 1.5 ... 35 1.5 ... 25
AWG number / as coded connectable conductor cross section	15 ... 2
design of the thread / of the connection screw	M5
signal design	optical

NEMA/UL - Data

type of distribution system	PV
combustibility class according to UL 94	V0

Further information

Siemens has decided to exit the Russian market (see here).

<https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business>

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

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=5SD7483-6>

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

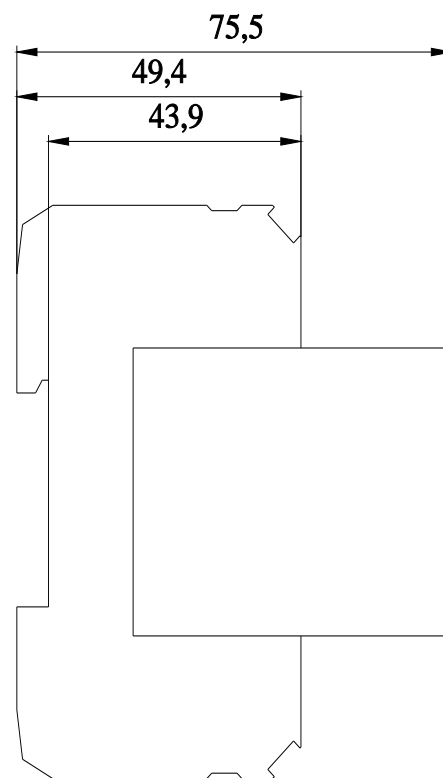
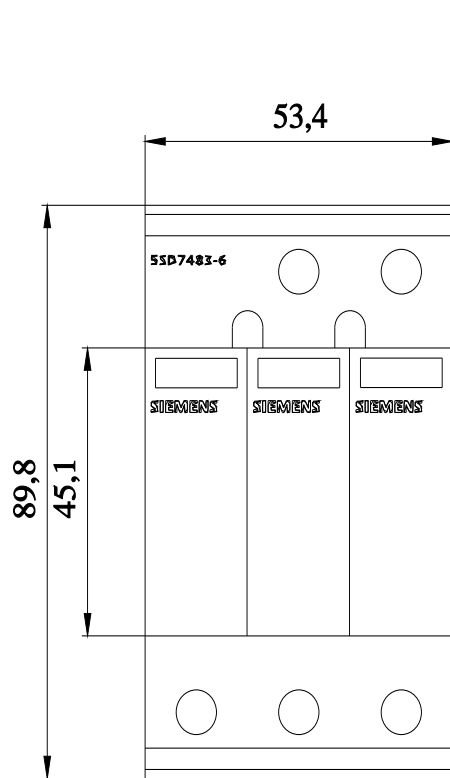
<https://support.industry.siemens.com/cs/ww/en/ps/5SD7483-6>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SD7483-6

CAX-Online-Generator

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



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