

SPD T1/T2,UC1050V DC, IMAx 40KA,IMMUNITY TO SHORT-CIRCUITING 80A, 2+V CIRCUIT, FOR INSULATED AND GROUNDED PV SYSTEMS



Model		
product brand name		SETRON
Product designation		Surge protection device
Design of the product		Surge arrester
Type of distribution system		DC part of photovoltaic plants
Design of the thread		M5
Signal design		Defect signaling contact
General technical data		
Response delay	ns	25
Apparent power consumption / in standby mode	mVA	25
Insulation material		PBT / PA 6.6
Residual voltage / at (8/20) μ s	kV	3.5
SPD classification / acc. to EN 61643-11 / Test Class II, Type 2		Yes
SPD classification / acc. to EN 61643-11 / Test Class I, Type 1		Yes
Protection level	kV	3.5
Protection level		
• between PE and L / for wanted signal	kV	3.5

Voltage		
Size of surge arrester		3WM
Continuous operating voltage		
• at DC / maximum	V	1 050
Residual voltage		
• between L and PE / at (8/20) μ s	kV	3.5
• between L and PE / at 10 kA / at (8/20) μ s	kV	3.2
• between L and PE / at 5 kA / at (8/20) μ s	kV	2.9
• at 10 kA / at (8/20) μ s	kV	3.2
• at 5 kA / at (8/20) μ s	kV	2.9
Overvoltage category / acc. to IEC 61010-1		III
Protection class		
Protection class IP		IP20
Combustibility class acc. to UL 94		V0
Electricity		
Discharge current		
• at (8/20) μ s / Rated value	kA	15
• 1 phase / at (8/20) μ s / maximum	kA	40
• 3 phase / at (8/20) μ s / Rated value	kA	40
Protective conductor current / for UC	μ A	20
Main circuit		
Operating voltage		
• at DC / Rated value	V	1 050
Product details		
Product component / remote-signaling contact		No
Connections		
Wire stripping length	mm	16
Connectable conductor cross-section		
• for rigid conductor		
— minimum	mm ²	1.5
— maximum	mm ²	35
• finely stranded		
— minimum	mm ²	1.5
— maximum	mm ²	25
Connectable AWG conductor cross-section / as coded AWG spec. / for grounding / finely stranded		
• minimum	mm ²	15
• maximum	mm ²	2
Tightening torque / with screw-type terminals		
• minimum	N·m	4.5

- maximum

N·m 4.5

Mechanical Design

Height	mm	90
Width	mm	53.4
Depth	mm	71.5
Mounting type		Rail-mountable NS 35
Net weight	g	409.6

Environmental conditions

Degree of pollution		2
Installation altitude / at height above sea level / rated value	m	2 000
Ambient temperature		
• minimum	°C	-40
• maximum	°C	80

General Product Approval

Declaration of Conformity



KEMA



UL



EG-Konf.

Further information

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

<http://www.siemens.com/lowvoltage/catalogs>

Industry Mall (Online ordering system)

<https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/5SD74836>

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

<http://support.automation.siemens.com/WW/view/en/5SD74836/all>

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

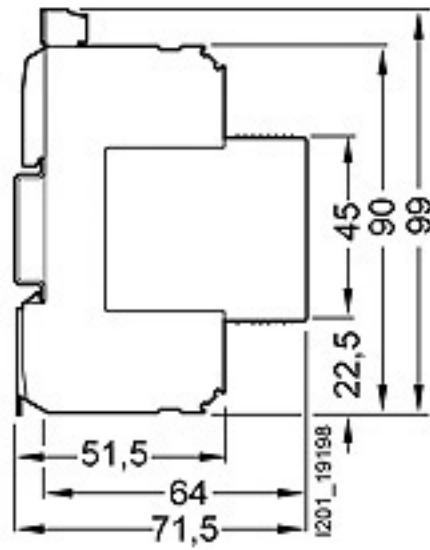
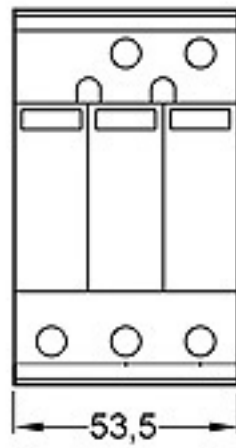
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SD74836

CAX-Online-Generator

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

Tender specifications

<http://ausschreibungstexte.siemens.com/tiplv>



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