

SURGE PROTECTION DEVICE TYPE 2 FOR PHOTOVOLTAIC APPLICATIONS WITH PLUG-IN CARTRIDGE, UCPV 1100VDC, +, -, PE. WITHOUT REMOTE CONTACT



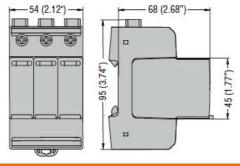
Product designation Product type designation Operating voltage type Application Number of DIN modules SPD according to EN50539-11			Surge Protection Device (SPD) SG2DG DC DC Power lines 3 Yes
Electrical features			
Rated operational voltage DC		VDC	1100
Maximum continuous voltage Ucpv		V	1100
IEC Maximum discharge current Imax 8/20 (L-N/N-PE)		kA	40
IEC Rated discharge current (IEC) In 8/20 (L-N/N-PE)		kA	20
IEC Voltage protection level Up (L-N/N-PE)		kV	<3.8
Tripping time ta (L-N/N-PE)		ns	<25
Thermal insulation protection			YES
Backup protection fuse (IEC) with Isc >100A		Class/A	Not needed
		01000//1	Hetheeded
Maximum short circuit current Iscpv		kA	11
Maximum short circuit current Iscpv Status indicator - operating / end of life			
Maximum short circuit current Iscpv			11
Maximum short circuit current Iscpv Status indicator - operating / end of life		kA	11
Maximum short circuit current Iscpv Status indicator - operating / end of life Ambient conditions	min	kA °C	11
Maximum short circuit current Iscpv Status indicator - operating / end of life Ambient conditions Operating temperature	min max	kA	11 Frontal indication -40 +85
Maximum short circuit current Iscpv Status indicator - operating / end of life Ambient conditions Operating temperature Max altitude		kA °C	11 Frontal indication -40
Maximum short circuit current Iscpv Status indicator - operating / end of life Ambient conditions Operating temperature		kA °C °C	11 Frontal indication -40 +85 2000
Maximum short circuit current Iscpv Status indicator - operating / end of life Ambient conditions Operating temperature Max altitude Mechanical features Fixing		kA °C °C	11 Frontal indication -40 +85 2000 Din rail
Maximum short circuit current Iscpv Status indicator - operating / end of life Ambient conditions Operating temperature Max altitude Mechanical features Fixing Conductor section Flexible max (IEC)		kA °C °C m mm²	11 Frontal indication -40 +85 2000 Din rail 25
Maximum short circuit current Iscpv Status indicator - operating / end of life Ambient conditions Operating temperature Max altitude Mechanical features Fixing Conductor section Flexible max (IEC) Conductor section Rigid max (IEC)		kA °C °C m	11 Frontal indication -40 +85 2000 Din rail 25 35
Maximum short circuit current Iscpv Status indicator - operating / end of life Ambient conditions Operating temperature Max altitude Mechanical features Fixing Conductor section Flexible max (IEC) Conductor section Rigid max (IEC) Weight		kA °C °C m mm²	11 Frontal indication -40 +85 2000 Din rail 25
Maximum short circuit current Iscpv Status indicator - operating / end of life Ambient conditions Operating temperature Max altitude Mechanical features Fixing Conductor section Flexible max (IEC) Conductor section Rigid max (IEC)		kA °C °C m mm ² mm ²	11 Frontal indication -40 +85 2000 Din rail 25 35

48V DC

А

0.5

Dimensions

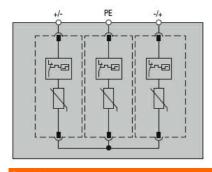


Wiring diagrams

SG2DGK10M3



ENERGY AND AUTOMATION



Certifications and compliance

Compliance

	IEC/EN/BS 50539-11	
Certificates		
	EAC	
ETIM classification		
ETIM 8.0		EC000941 - Surge protection device for power supply systems

SG2DGK10M3