



SURGE PROTECTION DEVICE TYPE 1,2 FOR PHOTOVOLTAIC APPLICATIONS WITH PLUG-IN CARTRIDGE, UN 1500VDC, SHORT-CIRCUIT CURRENT ISCPV 30KA, +, -, PE. WITH REMOTE CONTACT



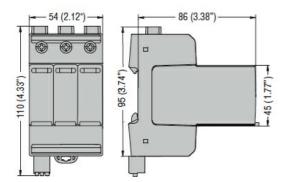
Product designation			Surge Protection
-			Device (SPD)
Product type designation			SG2E
Operating voltage type			DC
Application			DC Power lines
Number of DIN modules			3
Relay output			Yes
SPD according to EN50539-11			Yes
Electrical features		\/D0	4500
Rated operational voltage DC		VDC	1500
Maximum continuous voltage Ucpv		V	1500
IEC Maximum discharge current Imax 8/20 (L-N/N-PE)		kA	60
IEC Rated discharge current (IEC) In 8/20 (L-N/N-PE)		kA	20
IEC Voltage protection level Up (L-N/N-PE)		kV	<4.5
Tripping time ta (L-N/N-PE)		ns	<25
Thermal insulation protection			YES
Backup protection fuse (IEC) with Isc >100A		Class/A	Not needed
Maximum short circuit current Iscpv		kA	30
Status indicator - operating / end of life			Frontal indication/Aux contact
Ambient conditions			
Operating temperature			
	min	°C	-40
	max	°C	+85
Max altitude		m	2000
Mechanical features			
Fixing			Din rail
Conductor section Flexible max (IEC)		mm²	25
Conductor section Rigid max (IEC)		mm²	35
Weight		g	454
Relay output for remote status indication		<u> </u>	
Type of contact			СО
Rated current at			
	250V AC	Α	1
	12V DC	Α	0.5
	24V DC	Α	0.5
Dimensions			



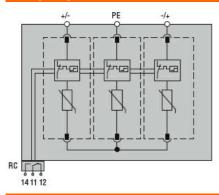


ENERGY AND AUTOMATION

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Wiring diagrams



Certifications and compliance

Compliance

IEC/EN/BS 50539-11

Certificates

EAC

ETIM classification

ETIM 8.0

EC000941 -Surge protection device for power supply systems