



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

Rated operational voltage DC	VDC	1500
Maximum continuous voltage Ucpv	V	1500
IEC Maximum discharge current I _{max} 8/20 (L-N/N-PE)	kA	60
IEC Rated discharge current (IEC) I _n 8/20 (L-N/N-PE)	kA	20
IEC Voltage protection level U _p (L-N/N-PE)	kV	<4.5
Tripping time t _a (L-N/N-PE)	ns	<25
Thermal insulation protection		YES
Backup protection fuse (IEC) with I _{sc} >100A	Class/A	Not needed
Maximum short circuit current I _{scpv}	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

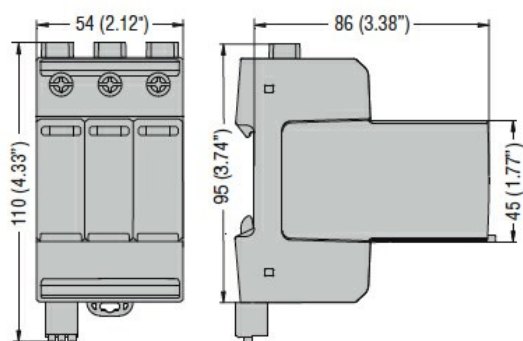
Mechanical features

Fixing		Din rail
Conductor section Flexible max (IEC)	mm ²	25
Conductor section Rigid max (IEC)	mm ²	35
Weight	g	454

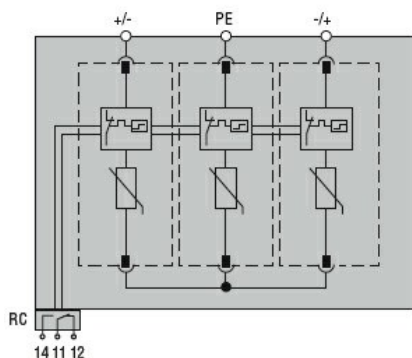
Relay output for remote status indication

Type of contact		CO
Rated current at		
	250V AC	A 1
	12V DC	A 0.5
	24V DC	A 0.5

Dimensions



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