



Product designation

Surge Protection
Device (SPD)

Product type designation

SG2

Operating voltage type

AC

Application

AC Power lines

Number of poles

3P+N

Number of DIN modules

4

Relay output

Yes

SPD according to IEC/EN 61643-11

YES

Electrical features

IEC Maximum continuous voltage U_c	V	300
IEC Maximum discharge current I_{max} 8/20 (L-N/N-PE)	kA	50 / 65
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	<1.5 / <1.5
IEC Follow current I_f (N-PE) rms	A	100
Tripping time t_a (L-N/N-PE)	ns	<25 / 100
Thermal insulation protection		YES
IEC Backup protection fuse with supply fuse >315A (L-N/N-PE)	Class/A	315A / 250A Gg
IEC Maximum short circuit current at 50Hz	kA	25 / 50
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

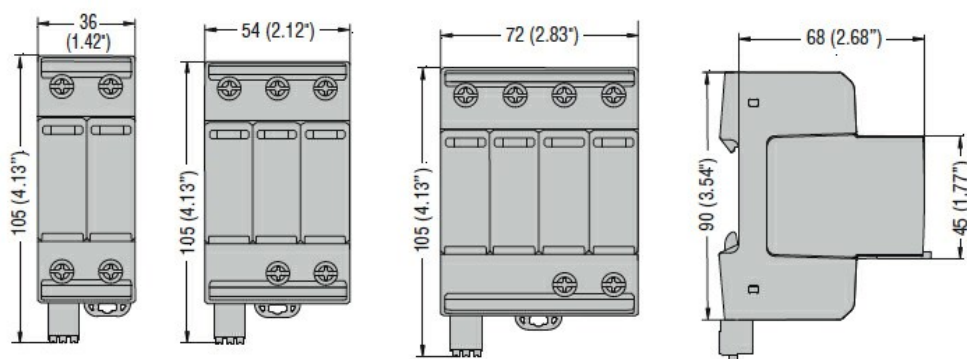
Fixing		Din rail
Conductor section Flexible max (IEC)	mm ²	25
Conductor section Rigid max (IEC)	mm ²	35
Weight	g	486

Relay output for remote status indication

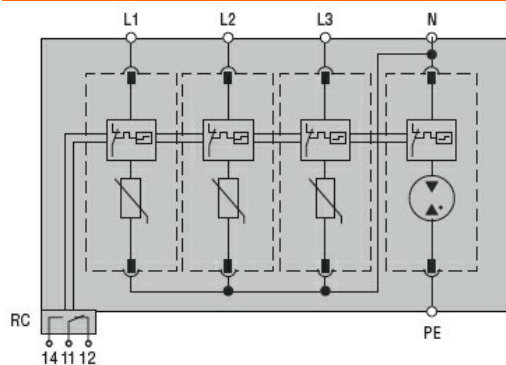
Rated current at

125V AC	A	1
250V AC	A	1
12V DC	A	0.5
24V DC	A	0.5
48V DC	A	0.5

Dimensions



Wiring diagrams



Certifications and compliance

Compliance

IEC/EN 61643-11

Certificates

EAC

ETIM classification

ETIM 8.0

EC000941 -
Surge protection
device for power
supply systems