



Product designation

Product type designation

Operating voltage type

Application

Number of poles

Number of DIN modules

Relay output

SPD according to IEC/EN 61643-11

Surge Protection  
Device (SPD)

SA0

AC

AC Power lines

3P+N

4

Yes

YES

#### Electrical features

IEC Maximum continuous voltage $U_c$	V	300
IEC Impulse current $I_{imp}$ 10/350 (L-N/N-PE)	kA	12.5
IEC Maximum discharge current $I_{max}$ 8/20 (L-N/N-PE)	kA	40 /100
IEC Rated discharge current (IEC) $I_n$ 8/20 (L-N/N-PE)	kA	20 /50
IEC Voltage protection level $U_p$ (L-N/N-PE)	kV	<1.5
Temporary overvoltage (TOV) withstand $U_t$ (L-N for 5s)	V	335
Temporary overvoltage (TOV) withstand (N-PE for 200ms)	V/A	1200V / 300A
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 >160A (L-N/N-PE)	Class/A	160 Gg
IEC Maximum short circuit current at 50Hz	kA	50

Status indicator - operating / end of life

Frontal  
indication/Aux  
contact

#### Ambient conditions

Operating temperature

	min	°C	-40
	max	°C	+80
Max altitude	m		2000

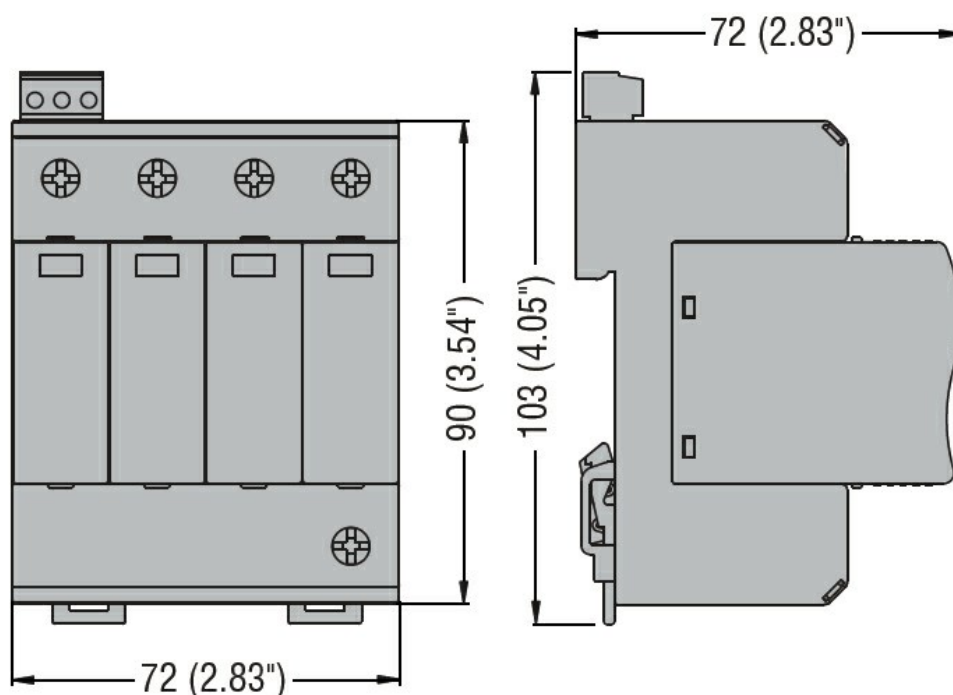
#### Mechanical features

Fixing		Din rail
Conductor section Flexible max (IEC)	mm <sup>2</sup>	25
Conductor section Rigid max (IEC)	mm <sup>2</sup>	35
Weight	g	670

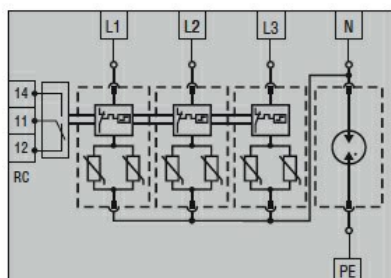
#### Relay output for remote status indication

Type of contact		CO
Rated current at		
	125V AC	A 3
	250V AC	A 0.5
	125V DC	A 0.2
	250V DC	A 0.1

#### 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