



Product designation

Surge Protection
Device (SPD)

Product type designation

SA0

Operating voltage type

AC

Application

AC Power lines

Number of poles

3P

Number of DIN modules

3

Relay output

Yes

SPD according to IEC/EN 61643-11

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
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
Temporary overvoltage (TOV) withstand U_t (L-N for 5s)	V	335
IEC Follow current I_f (N-PE) rms	A	No
Tripping time t_a (L-N/N-PE)	ns	<25
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

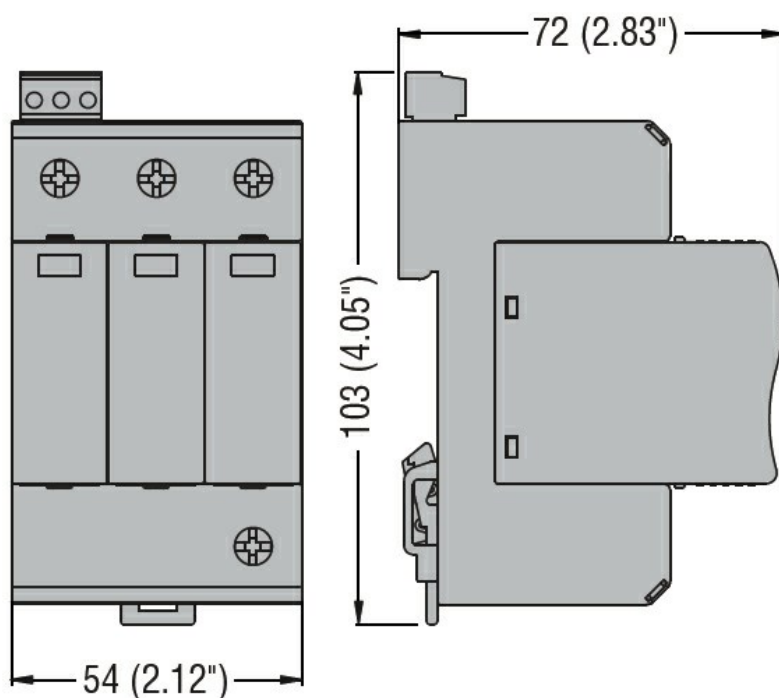
Mechanical features

Fixing			Din rail
Conductor section Flexible max (IEC)	mm ²		25
Conductor section Rigid max (IEC)	mm ²		35
Weight	g		540

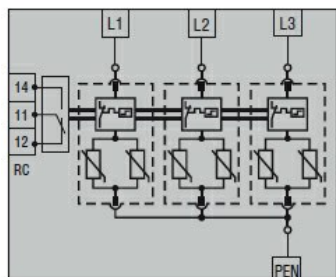
Relay output for remote status indication

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