



Product designation

Surge Protection
Device (SPD)

Product type designation

SA0

Operating voltage type

AC

Application

AC Power lines

Number of poles

1P+N

Number of DIN modules

2

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 /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

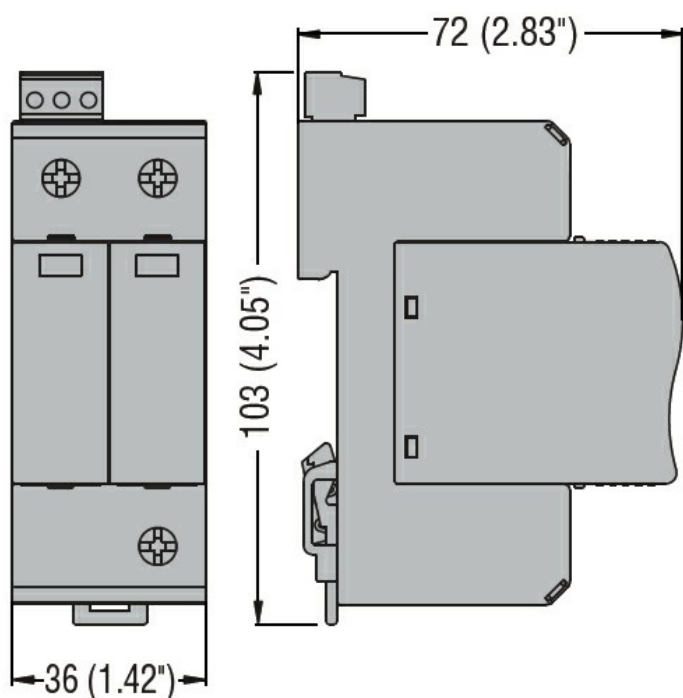
Mechanical features

Fixing		Din rail
Conductor section Flexible max (IEC)	mm ²	25
Conductor section Rigid max (IEC)	mm ²	35
Weight	g	365

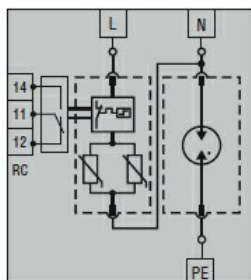
Relay output for remote status indication

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