



Product designation

Surge Protection
Device (SPD)

Product type designation

SA0B

Operating voltage type

AC

Application

AC Power lines

Number of poles

4P

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	320
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	50
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	334
Temporary overvoltage (TOV) safe fail (L-N for 120min)	V	438
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 line fuse >250A (L-N/N-PE)	Class/A	250A 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	+85
Max altitude		m	2000

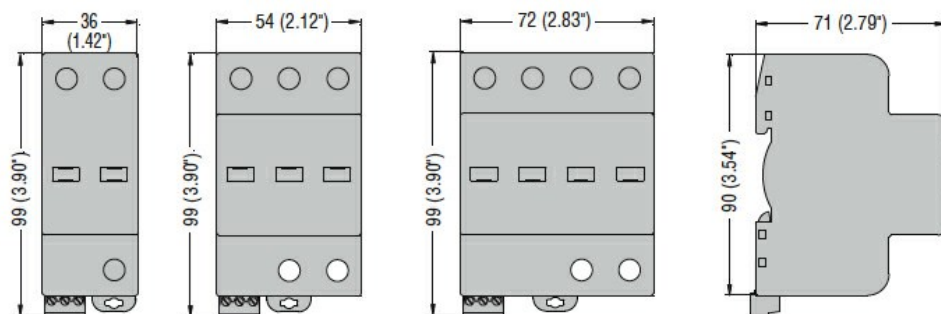
Mechanical features

Fixing		Din rail
Conductor section Flexible max (IEC)	mm ²	25
Conductor section Rigid max (IEC)	mm ²	35
Weight	g	600

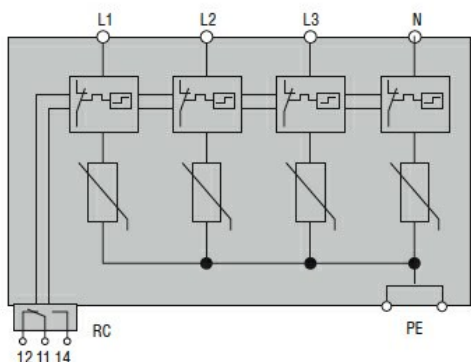
Relay output for remote status indication

Type of contact		CO
Rated current at		
	125V AC	A 3
	250V AC	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