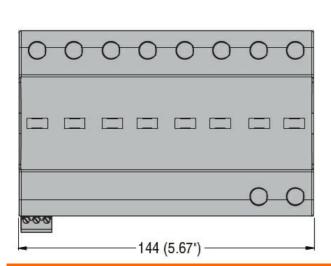


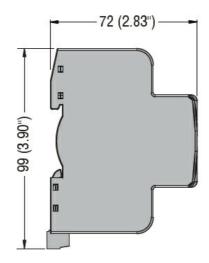


Product designation		Surge Protection Device (SPD)
Product type designation		SA1B
Operating voltage type		AC
Application		AC Power lines
Number of poles		4P
Number of DIN modules		8
Relay output		Yes
SPD according to IEC/EN 61643-11		YES
Electrical features		
IEC Maximum continuous voltage Uc	V	320
IEC Impulse current limp 10/350 (L-N/N-PE)	kA	25
IEC Maximum discharge current Imax 8/20 (L-N/N-PE)	kA	100
IEC Rated discharge current (IEC) In 8/20 (L-N/N-PE)	kA	25
IEC Voltage protection level Up (L-N/N-PE)	kV	<1.4
Temporary overvoltage (TOV) withstand Ut (L-N for 5s)	V	334
Temporary overvoltage (TOV) safe fail (L-N for 120min)	V	438
IEC Residual voltage Ures (L-N/N-PE) at 5kA (8/20)	kV	1.1
IEC Follow current If (N-PE) rms	Α	No
Tripping time ta (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 gL/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)	mm²	25
Conductor section Rigid max (IEC)	mm²	35
Weight	g	780
Relay output for remote status indication		
Type of contact		CO
Rated current at		
125V AC	Α	3
250V AC	Α	0.5
125V DC	Α	0.2
250V DC	Α	0.1
Dimensions		

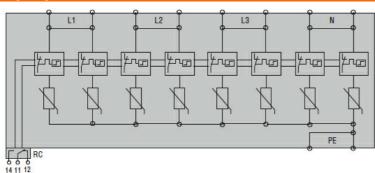








Wiring diagrams



Certifications and compliance

Compliance

IEC/EN 61643-11

Certificates

EAC

ETIM classification

ETIM 8.0

EC000941 -Surge protection device for power supply systems