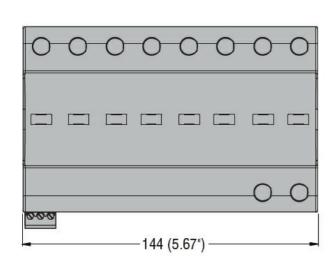


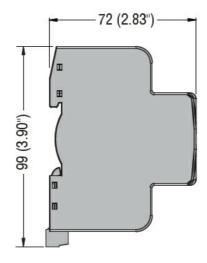


Product designation			Surge Protection Device (SPD)
Product type designation			SA1B
Operating voltage type			AC
Application			AC Power lines
Number of poles			4P
Number of DIN modules			8
Relay output			Yes
SPD according to IEC/EN 61643-11			YES
Electrical features			
IEC Maximum continuous voltage Uc		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
			Frontal
Status indicator - operating / end of life			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		3	
Type of contact			CO
Rated current at			
	125V AC	Α	3
	250V AC	Α	0.5
		A	0.2
	125V DC	$\overline{}$	U. <u>Z</u>
	250V DC	A	0.1

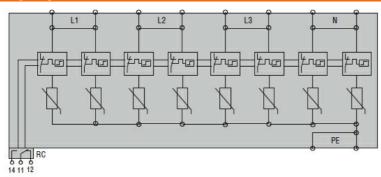


ENERGY AND AUTOMATION





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