



Product designation			Surge Protection Device (SPD)
Product type designation			SG2
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			TES
IEC Maximum continuous voltage Uc		V	300
IEC Maximum discharge current Imax 8/20 (L-N/N-PE)		kA	50 / 65
IEC Rated discharge current (IEC) In 8/20 (L-N/N-PE)		kA	20
IEC Voltage protection level Up (L-N/N-PE)		kV	<1.5 / <1.5
IEC Follow current If (N-PE) rms		A	100
Tripping time ta (L-N/N-PE)		ns	<25 / 100
Thermal insulation protection			YES
IEC Backup protection fuse with supply fuse >315A (L-N/N-PE)		Class/A	315A / 250A Gg
IEC Maximum short circuit current at 50Hz		kA	25 / 50
			Frontal
Status indicator - operating / end of life			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)		mm²	25
Conductor section Rigid max (IEC)		mm²	35
Weight		g	240
Relay output for remote status indication		5	
Rated current at			
	125V AC	А	1
	250V AC	A	1
	12V DC	A	0.5
	24V DC	A	0.5
	48V DC	A	0.5
Dimensions		~	0.0

SG21NA300R



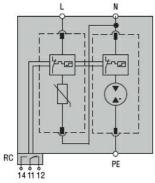
SG21NA300R SURGE PROTECTION DEVICE TYPE 2 WITH PLUG-IN CARTRIDGE, RATED DISCHARGE CURRENT IN (8/20MS) 20KA PER POLE, 1P+N. WITH REMOTE CONTACT

-45 (1.77")

ENERGY AND AUTOMATION



Wiring diagrams



Certifications and compliance

Compliance

•	IEC/EN 61643-11	
Certificates		
	EAC	
ETIM classification		
		EC000941 -

ETIM 8.0

Surge protection device for power supply systems

SG21NA300R