ENERGY AND AUTOMATION

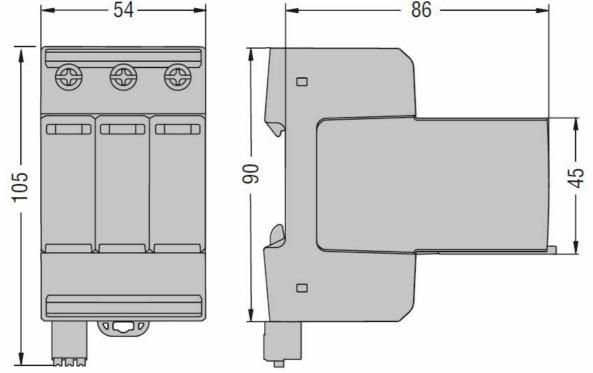
SURGE PROTECTION DEVICE TYPE 1 AND 2, WITH PLUG-IN CARTRIDGE TYPE 1CA/OPEN-TYPE 1, IN 20KA, UC 480VAC, UL-CERTIFIED



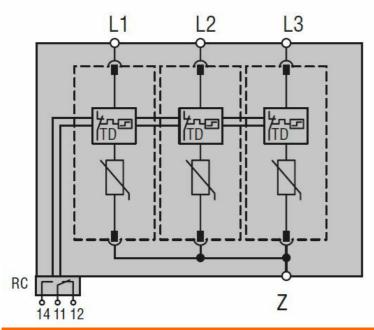
			The same of the sa
Product designation			Surge Protection
•			Device (SPD)
Product type designation			SG1
Operating voltage type			AC Davier lines
Application			AC Power lines
Number of poles			3P
Number of DIN modules			3
Relay output			Yes YES
SPD according to IEC/EN 61643-11 Electrical features			160
		V	480
IEC Maximum continuous voltage Uc			
IEC Impulse current limp 10/350 (L-N/N-PE)		kA	10
IEC Maximum discharge current Imax 8/20 (L-N/N-PE)		kA	50
IEC Rated discharge current (IEC) In 8/20 (L-N/N-PE)		kA	20
IEC Voltage protection level Up (L-N/N-PE)		kV	<2.1
Tripping time ta (L-N/N-PE)		ns	<25
Thermal insulation protection			YES
IEC Backup protection fuse with supply fuse >250A (L-N/N-PE)		Class/A	315A gL/gG
IEC Maximum short circuit current at 50Hz		kA	50
			Frontal
Status indicator - operating / end of life			indication/Aux
Ambient conditions			indication/Aux
		°C	indication/Aux contact
Ambient conditions	min	°C	indication/Aux contact
Ambient conditions Operating temperature	min max	°C	indication/Aux contact -40 +80
Ambient conditions Operating temperature Max altitude			indication/Aux contact
Ambient conditions Operating temperature Max altitude Mechanical features		°C	-40 +80 2000
Ambient conditions Operating temperature Max altitude Mechanical features Fixing		°C m	-40 +80 2000
Ambient conditions Operating temperature Max altitude Mechanical features Fixing Conductor section Flexible max (IEC)		°C m	-40 +80 2000 Din rail
Ambient conditions Operating temperature Max altitude Mechanical features Fixing Conductor section Flexible max (IEC) Conductor section Rigid max (IEC)		°C m mm² mm²	-40 +80 2000 Din rail 25
Ambient conditions Operating temperature Max altitude Mechanical features Fixing Conductor section Flexible max (IEC) Conductor section Rigid max (IEC) Weight		°C m	-40 +80 2000 Din rail
Ambient conditions Operating temperature Max altitude Mechanical features Fixing Conductor section Flexible max (IEC) Conductor section Rigid max (IEC) Weight Relay output for remote status indication		°C m mm² mm²	-40 +80 2000 Din rail 25 35
Ambient conditions Operating temperature Max altitude Mechanical features Fixing Conductor section Flexible max (IEC) Conductor section Rigid max (IEC) Weight Relay output for remote status indication Type of contact		°C m mm² mm²	-40 +80 2000 Din rail 25
Ambient conditions Operating temperature Max altitude Mechanical features Fixing Conductor section Flexible max (IEC) Conductor section Rigid max (IEC) Weight Relay output for remote status indication	max	°C m mm² mm² g	-40 +80 2000 Din rail 25 35 574
Ambient conditions Operating temperature Max altitude Mechanical features Fixing Conductor section Flexible max (IEC) Conductor section Rigid max (IEC) Weight Relay output for remote status indication Type of contact	max 125V AC	°C m mm² mm² g	-40 +80 2000 Din rail 25 35 574 CO
Ambient conditions Operating temperature Max altitude Mechanical features Fixing Conductor section Flexible max (IEC) Conductor section Rigid max (IEC) Weight Relay output for remote status indication Type of contact	125V AC 250V AC	°C m mm² mm² g	-40 +80 2000 Din rail 25 35 574 CO
Ambient conditions Operating temperature Max altitude Mechanical features Fixing Conductor section Flexible max (IEC) Conductor section Rigid max (IEC) Weight Relay output for remote status indication Type of contact	125V AC 250V AC 125V DC	°C m mm² mm² g	-40 +80 2000 Din rail 25 35 574 CO 3 0.5 0.2
Ambient conditions Operating temperature Max altitude Mechanical features Fixing Conductor section Flexible max (IEC) Conductor section Rigid max (IEC) Weight Relay output for remote status indication Type of contact	125V AC 250V AC	°C m mm² mm² g	-40 +80 2000 Din rail 25 35 574 CO

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Wiring diagrams



Certifications and compliance

Compliance

IEC/EN/BS 61643-11

UL1449

Certificates

cULus

ETIM classification

ETIM 8.0

EC000941 -Surge protection device for power supply systems