

Product designation	Surge Protection Device (SPD)
Product type designation	SG2DG
Operating voltage type	DC
Application	DC Power lines
Number of DIN modules	3
Relay output	Yes
SPD according to EN50539-11	Yes

Electrical features

Rated operational voltage DC	VDC	1500
Maximum continuous voltage Ucpv	V	1500
IEC Maximum discharge current I _{max} 8/20 (L-N/N-PE)	kA	30
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	<5.0
Tripping time t _a (L-N/N-PE)	ns	<25
Thermal insulation protection		YES
Backup protection fuse (IEC) with I _{sc} >100A	Class/A	Not needed
Maximum short circuit current I _{scpv}	kA	11

Status indicator - operating / end of life	Frontal indication/Aux contact
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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	454

Relay output for remote status indication

Rated current at	125V AC	A	1
	250V AC	A	1
	12V DC	A	0.5
	24V DC	A	0.5
	48V DC	A	0.5
	125V DC	A	0.2
	250V DC	A	0.1

ETIM classification

ETIM 8.0	EC000941 - Surge protection device for power supply systems
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