

SGS1-DC Series

Surge Protective Device

Technical data

Standard	IEC50539-11
Protection	Protect electric system and on-loading electrical apparatus from thunder and instantaneous over-voltage
Ambient temperature (°C)	-40 to +70
Number of poles	2P,3P
PV system operating voltage uc _{pv}	1000/1500 V
Standard discharge current(8/20µs) I _n (KA)	20KA
Maximum discharge current(8/20µs) I _{max} (KA)	40KA
Protection level U _p (KV)	≤ 3.8/4.5
Response time (ns)	<25
On-Off indicating window	Green: normal function Red: functionless, immediate replacement required
Type of terminal	Pin type
Installation	Mounting on 35mm DIN rail



SGS1-DC/2



SGS1-DC/3

SGS1-DC	Type	Poles	Uc(V~)	Discharge current		Up(kV)	Photovoltaic voltage
				Normal(kA)	Max.(kA)		



SGS1-DC/2

SGS1-DC/2-500/40	2	500	20	40	≤ 2.5	500V
SGS1-DC/2-1000/40	2	1000	20	40	≤ 3.5	1000V



SGS1-DC/3

SGS1-DC/3-500/40	3	500	20	40	≤ 2.5	500V
SGS1-DC/3-1000/40	3	1000	20	40	≤ 3.5	1000V
SGS1-DC/3-1500/40	3	1500	20	40	≤ 5.5	1500V