

SDS

SURGE DEFENCE SYSTEM

POWER DC SYSTEM

MODEL

SDSIDM24/48/110VDCB

APPLICATION

- Lightning and transients protector of electrical cabinets, electrical/electronic DC systems
- Used for suppressions of electrical arcs and line noise
- Bidirectional Protection

FEATURES

- Unbeatable capability of diverting lightning energy
- Extremely low insertion loss
- Bandwidth up to 100Mhz
- Differential and Common Mode protection (DM, CM)
- Din mounting with In-line or Shunt connection

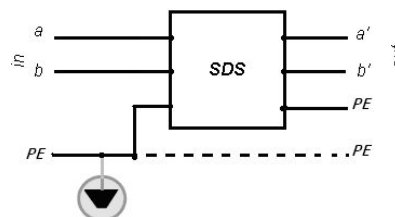
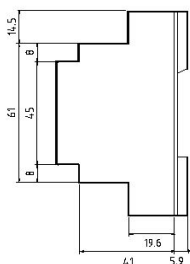
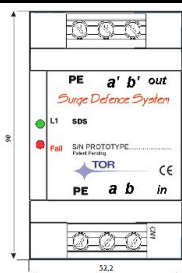


	TECHNICAL SPECIFICATIONS	24VDC	48VDC	110VDC
1.	Nominal Voltage Un	24Vdc	48Vdc	110Vdc
2.	Voltage Range	10 – 36Vdc	36-75Vdc	72-154Vdc
3.	Immunity EN61000-4-5	10KV	10KV	10KV
4.	Nominal pulse current 8/20us	5KA	5KA	5KA
5.	Protection Modes (CM,DM)	V ₊ - V-, V ₊ - PE, V ₋ - PE	V ₊ - V-, V ₊ - PE, V ₋ - PE	V ₊ - V-, V ₊ - PE, V ₋ - PE
6.	Protection Level Up @ 5kA 8/20us	<100V (L-N L-PE N-PE)	<200V (L-N L-PE N-PE)	<300V (L-N L-PE N-PE)
7.	Safety Standards	EN60950 EN61010		
8.	Flammability	UL94-V0		
9.	Operating Temperature (°C)	-25 ~ 70°C		
10.	Mounting	DIN rail (EN50022)		
11.	Case Standard	3 units DIN43880		
12.	Enclosure Material	Thermoplastics Ral-7035 UL-V0		
13.	Protection Class (IEC529)	IP20		
14.	Relative Humidity RH	100%		
15.	Marking per LVD	CE		
16.	Vibrations	10-55Hz X Y Z 1min sweep <19.6m/sec ²		
17.	Bandwidth (3dB)	100MHz		
18.	Diagnostics	Locale con LED		

(1*) GREEN-light means proper operation; RED-light: indicates failure/malfunction; transition green-red indicates reduced protection level. When DC voltage is less than 30%, red light is ON without altering proper protection operation

DIMENSION

CONNECTION



CODE	DESCRIPTION	VOLTAGE [V]	DIMENSION L/H/W [mm]	WEIGHT [Kg]
SDSIDM24VDCB	SDS WITH LED DIAGNOSTIC	24 D.C.	52,5/58/90	0,275
SDSIDM48VDCB	SDS WITH LED DIAGNOSTIC	48 D.C.	52,5/58,/90	0,275
SDSIDM110VDCB	SDS WITH LED DIAGNOSTIC	110 D.C.	52,5/58/90	0,275



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