

# SDS

## SURGE DEFENCE SYSTEM

### RAILWAYS SYSTEM



#### MODEL

**SDSRWM230VA54B**

#### APPLICATIONS

- Lightning and transients protector of electrical cabinets, electrical/electronic systems for railway signaling applications
- Used for suppressions of electrical arcs and line noise
- Designed to provide clean supply voltage for sophisticated equipment

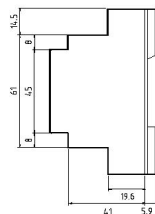
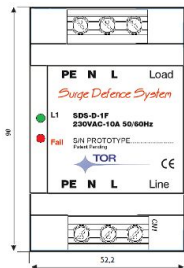
#### FEATURES

- Unbeatable capability of diverting lightning energy
- Residual protection voltage L-N L-PE < 540Vpk
- Extremely low insertion loss
- Single phase device with protection level status indication
- Differential and Common Mode protection (DM, CM)
- Din mounting with In-line or Shunt connection possibility
- EN50155 Environments

#### SPECIFICATIONS

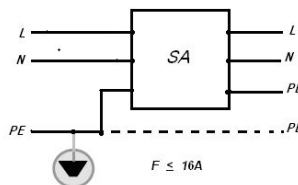
1.	System topology	Single-Phase
2.	Nominal Current (A) - in line	10 Arms
3.	Nominal Current (A) - derivate	No-limit
4.	Nominal line voltage	230Vac +/-10%
5.	Maximum Voltage (L-N L-PE N-PE )	~300 Vac / permanent
6.	Frequency (Hz)	50 ~ 400 Hz
7.	Immunity EN61000-4-5 (DM, CM)	10KV
8.	Nominal Current Impulse 8/20uS (CM, DM)	5kA
9.	Maximum Current Impulse 8/20uS (CM, DM)	6,5kA
10.	Voltage Protection Level UP @ 5KA (8/20uS)	< 540V (L-N)
11.	Voltage Protection Level UP @ 5KA (8/20uS)	< 540V (L-PE N-PE)
12.	Operative Temperature (oC)	-20 ~ 70°C
13.	Mounting	DIN rail (EN50022)
14.	Enclosure	3 units DIN43880
15.	Enclosure Material	Thermoplastic Ral-7035 UL-V0
16.	Protection Class (IEC529)	IP20
17.	Relative Humidity RH	100%
18.	Built to meet	EN50155
19.	Safety	EN60950 EN61010
20.	Ground Leakage Current	300uA (microAmpere)
21.	Marking per LVD	CE
22.	Vibrations	10-55Hz X Y Z 1min sweep <19.6m/sec2
23.	System topology	Single-Phase
24.	Nominal Current (A) - in line	10 Arms

#### DIMENSION

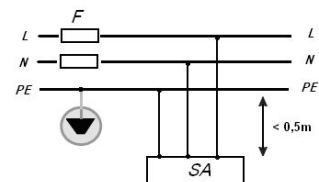


#### INSTALLATION

##### In-line Connection TT/TN-S



##### Derivate Connection TT/TN-S



CODE	DESCRIPTION	VOLTAGE [V]	DIMENSION [L/H/W] mm	WEIGHT [Kg]
SDSRWM230VA54B	SDS RAILWAYS SINGLE PHASE DIAGNOSTIC LED	230 A.C	52,5/58/90	0,275



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