SDS Surge Defence System

SIGNAL SYSTEMS



MODEL

SDS TLC DIN 24/48

APPLICATIONS

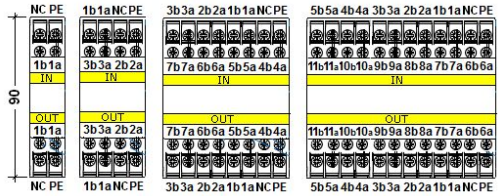
- For protecting unearthed pairs as well as balanced interfaces
- Applications: TLC, industrials, high-rel equipments

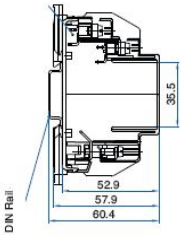
FEATURES

- Bidirectional Protection
- Common and Differential Mode (CM - DM) protection
- Extremely low insertion loss
- Bandwidth up to 100MHz

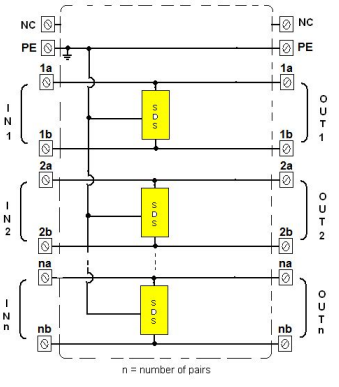
	TECHNICAL SPECIFICATIONS	SDS-TLC-DIN-24	SDS-TLC-DIN-48
1.	Nominal Voltage Un	24Vdc	48Vdc
2.	Operating Voltage Range	10 – 36Vdc	36-72Vdc
3.	Protection Level – Up @2kA 8/20us	<100Vpk	<150Vpk
4.	Continuous Operating Current	1,5A	
5.	Bandwidth (3dB)	100MHz	
6.	Surge Immunity Current – In 8/20us	2KA (2,4KA Max)	
7.	Protection mode (CM, DM)	V_+ - V-, V_+ - PE, V_- - PE	
8.	Flammability	UL94-V0	
9.	Operating Temperature (°C)	-20 ~ 70°C	
10.	Mounting Standard	DIN rail (EN50022)	
11.	Enclosure Standard	DIN43880	
12.	Thermoplastic Enclosure Material	Ral-7035 UL-V0	
13.	Protection Degree (IEC529)	IP20	
14.	Relative Humidity – RH no dew	95%	
15.	Safety Standards	EN60950 - EN61010	
16.	Marking per LVD (EEC 73/23)	CE	
17.	Dimensions (W x D x H)mm Up-to-model	See table	
18.	Weight (g)	Up-to-model	
19.	Vibrations	10-55Hz X Y Z 1min sweep <19.6m/sec^2	
20.	Connectors	Terminal-blocks 2,5mm^2 (14AWG)	
21.	Max signal-voltage to PE	75VDC +/-20%	

DIMENSIONS





CONNECTIONS



CODE	DESCRIPTION	DIMENSIONS
SDSTLCDIN 24/1P	24Vdc 1-pair in/out +1PE	1M - 17,5mm
SDSTLCDIN 24/3P	24Vdc 3-pairs in/out +1PE	2M - 35mm
SDSTLCDIN 24/7P	24Vdc 7-pairs in/out +1PE	4M - 71mm
SDSTLCDIN 24/11P	24Vdc 11-pairs in/out +1PE	6M - 105mm
SDSTLCDIN 48/1P	48Vdc 1-pair in/out +1PE	1M - 17,5mm

Costruzioni Elettromeccaniche P.Torresan srl
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SDSTLCDIN 48/3P	48Vdc 3-pairs in/out +1PE	2M - 35mm
SDSTLCDIN 48/7P	48Vdc 7-pairs in/out +1PE	4M - 71mm
SDSTLCDIN 48/11P	48Vdc 11-pairs in/out +1PE	6M - 105mm

Note: other configurations available up request