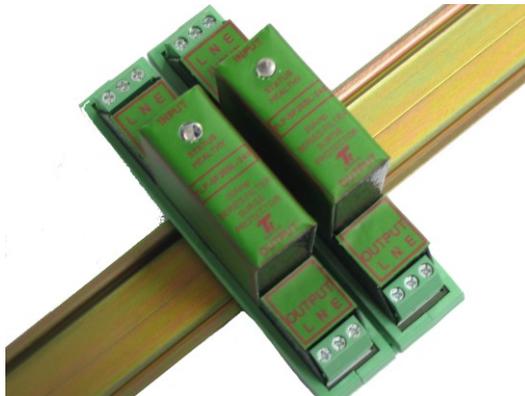


MODEL:- TLP-SF(05)20SL-xxxV

Transtech Lightning Protector Single Phase **5Amp & 20Amp**, 3 Mode with LED & RELAY covering CAT B - A



GENERAL DESCRIPTION

The TLP-SF20SL-xxx is a range of single-phase series connected 20Amp lightning and transient protector plus a low pass filter that provides protection for electrical / electronic equipment connected to single phase distribution systems. The TLP-SF20SL-xxx are true 3 mode series connected protection devices with a specifically designed low pass filter and high level of kA rating in all 3 modes. The TLP-SF20SL-xxx series offers a DIN style format to match the profile of most MCB's. An option of have a relay output is available.

Also available with a relay output – Model TLP-SF(05)20RI-240V (see figure below)

For mains supply of greater than 100A adequate HRC fuse or MCB protection must be installed prior to the TLP-SF20SL-xx

FEATURES

- ◆ Compact design – space saving
- ◆ Low “let thru” voltage
- ◆ Designed and manufactured to ISO 9001
- ◆ Internally protected – automatic reset
- ◆ Local status indication by coloured LED's
- ◆ Remote status indication relay output
- ◆ High Energy/low dissipation designed pcb's
- ◆ CE Marking / C-tick N 2909
- ◆ Full 3 mode protection
- ◆ DIN 43880 compliant
- ◆ Independently Tested and passed IEC 61643-1:2005
- ◆ Designed to meet AS/NZS 1768:2007

NOTE: This device must be installed by a Qualified Electrician.

TECHNICAL DATA

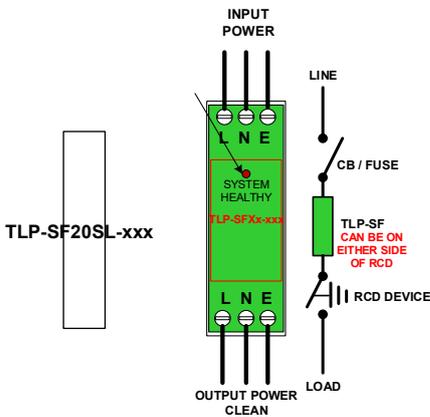
Normal Working voltage	see table 2 below
Maximum working voltage	275VAC rms (phase to neutral)
Maximum working heat loss	13Watts at 20Amps
Working Freq.	40 - 60Hz
Peak let thru volts	see table 2 below
Maximum mains current	5A, 20A (40Amp and 63Amp available)
	Must be fuse protected over 100A Mains
	see table 2 below
Imax	Less than 25nS
Response time	Optional SPCO (1 amp @ 240Vac)
Relay Contacts	Automatic
Surge Reset	

SPECIAL FEATURES

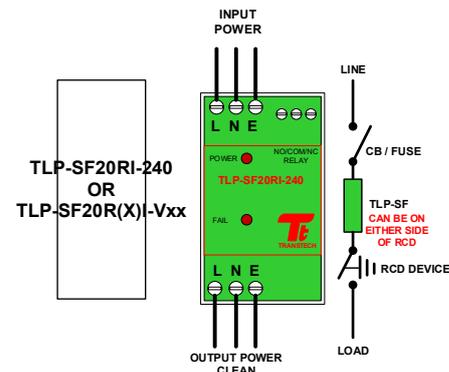
Indication	LED = Power ON
OPTIONS	
Relay Output	Available on TLP-SF20RI-xxx & TLP-SF05RI-xxx

GENERAL SPECIFICATION

Operating Temp	-40 to +70 Deg C
Terminals	4mm ² solid max / 10mm ² flex max
Remote Terminals	-
Indicators	LED
Housing Material	Mild Steel (Powder coated)
Dimensions	see table 3 below
Weight	see table 3 below
Mounting	DIN 43880 Standard DIN Rail



SCHEMATIC DIAGRAM



SCHEMATIC DIAGRAM

Model	A	W	Working Voltage	Frequency.	Imax	In	Let Thru V	Response Time	Cut Off Freq.
		Loss	Line - Neutral		1 Pulse	15x8/20us	1p @ 1Amp		dB
TLP-SF20SL-12VDC	20	13	12V	DCV	12kA	10kA	<48	25nS	-3dB
TLP-SF20XI-24VAC/DC	20	13	30V	DC 40-60HZ	25kA	20kA	<48	25nS	-3dB
TLP-SF20SL-30V	20	13	30V	DC 40-60HZ	12kA	10kA	<60	25nS	-3dB
TLP-SF20SL-24VAC/DC	20	13	24V	DC 40-60HZ	12kA	5kA	<60	25nS	-3dB
TLP-SF20SL-110VDC	20	13	110V	DCV	54kA	36kA	<275	25nS	-3dB
TLP-SF20SL-120V	20	13	120V	40-60Hz	54kA	36kA	<710	25nS	-3dB
TLP-SF20SL-240V	20	13	240V	40-60HZ	54kA	36kA	<710	25nS	-3dB
TLP-SF05RI-240V	5	3	240V	40-60HZ	54kA	36kA	<710	25nS	-3dB
TLP-SF20RI-240V	20	13	240V	40-60HZ	72kA	48kA	<710	25nS	-3dB

Other Voltages available please contact factory

TABLE No 2

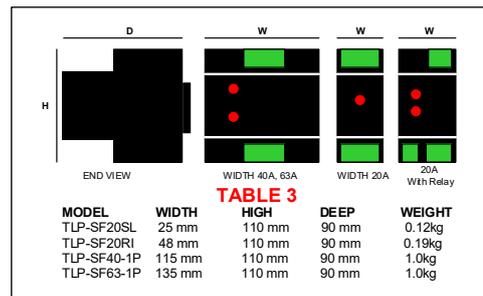


TABLE 3

MODEL	WIDTH	HIGH	DEEP	WEIGHT
TLP-SF20SL	25 mm	110 mm	90 mm	0.12kg
TLP-SF20RI	48 mm	110 mm	90 mm	0.19kg
TLP-SF40-1P	115 mm	110 mm	90 mm	1.0kg
TLP-SF63-1P	135 mm	110 mm	90 mm	1.0kg