

# Din Rail Surge Protective Device for SCADA Systems

## UTILITY APPLICATIONS

## TST SERIES

The TST Series of SPDs (surge protection devices) are designed to protect sensitive electronic equipment from the harmful effects of transients and RFI/EMI interference. Models are configured for either parallel or series installation or can be either din rail or wall mounted.

Units are rated as type 4 SPDs for application in Type 2 locations making the TST Series the ideal choice for incorporation into control cabinets to protect SCADA Systems, PLCs, and most other sensitive microelectronic based equipment.

TST units are self-contained in rugged plastic enclosures and employ twenty millimeter (20mm) MOVs as their key suppression elements. Units are line load sensitive and interface with the incoming power cables via screw terminals (barrier strips) capable of handling conductors from #30 to #6 AWG, depending upon application and current ratings.

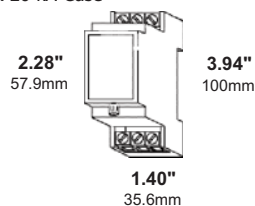


Product Specifications		Notes
Max Surge Current	10-40kA/Phase	
Short Circuit Current*	100kA RMS Symmetrical Amps <sup>†</sup>	
Housing Rating	Plastic (UL94-VO) Polycarbonate	
Product Weight	8 oz. (small) 15 oz. (large)	
Fusing	Coordinated Current & Thermal	
Operating Frequency	50/60 Hz	
Operating Altitude	-200 ft. to +15,000 ft.	
Diagnostics	LED	
Safety Standards	UL 1449 3rd Ed. (Sept. 2009)	
I <sub>n</sub> *	3kA	

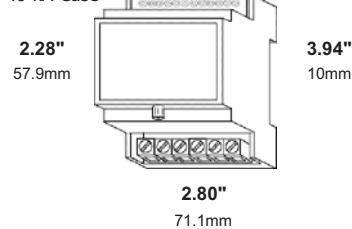
\*Required by UL 1449 3rd Edition  
<sup>†</sup> When protected by Class T fuses.

### Dimensions

10 & 20 kA Case



40 kA Case



MODEL NUMBER	SERVICE VOLTAGE	CURRENT RATING	SURGE RATING	CASE SIZE	VPR			LOW VOLTAGE
					L1-N	L1-G	N-G	
TST010/024-2P-F-1/15A	24 Volts	15 Amps	10kA	Small	N/A	N/A	N/A	
TST010/048-2P-F-1/15A	48 Volts	15 Amps	10kA	Small	N/A	N/A	N/A	
TST020/024-2P-F-1/30A	24 Volts	30 Amps	20kA	Large	N/A	N/A	N/A	
TST020/048-2P-F-1/30A	48 Volts	30 Amps	20kA	Large	N/A	N/A	N/A	
TST020/120-10-F-1/15A	120 Volts	15 Amps	20kA	Small	600	600	600	
TST020/250-10-F-1/30A	250 Volts	30 Amps	20kA	Small	800	800	800	
TST040/120-10-F-1/15A	120 Volts	15 Amps	40kA	Large	500	500	600	
TST040/250-10-F-1/15A	250 Volts	15 Amps	40kA	Large	800	800	800	
TST020/120-10-F-1/30A	120 Volts	30 Amps	20kA	Small	600	600	600	
TST040/120-10-F-1/30A	120 Volts	30 Amps	40kA	Large	500	500	600	
TST040/250-10-F-1/30A	250 Volts	30 Amps	40kA	Large	800	800	800	

Contact Factory for information on additional Models not listed above.



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