

# M-Ti TST Series

## Commercial & Light Industrial Surge Protection Device



The TST Series of SPDs (surge protection devices) are designed to **protect sensitive electronic equipment** from the harmful effects of transients.

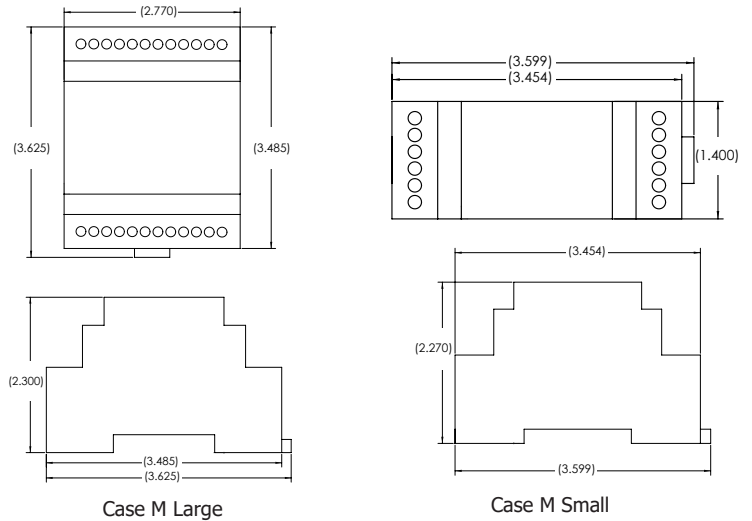
Models are configured for both parallel or series installation and can be either din rail or wall mounted. Units are rated as **Type 2 SPDs component assembly** making the TST Series the ideal choice for incorporation into control cabinets for sensitive microelectronic based equipment.

TST units are self-contained in rugged plastic enclosures and use twenty millimeter (20mm) MOVs as their key suppression elements. Units are not line load sensitive and interface with the incoming power cables via screw terminals (barrier strips):

Small Terminals are capable of handling #14 to #30 AWG Wire.  
Large Terminals are capable of handling #6 to #20 AWG Wire.

<b>Product Specifications</b>	
Maximum Surge Current	10 - 40kA/Phase (depending on model)
$I_n$	3kA
Fusing	Internal (Thermal)
Short Circuit Current	5kA Symmetrical w/external breaker
Short Circuit Current	100kA Symmetrical w/external T Fuse
Diagnostics	LED
Enclosure	Plastic (UL94-V0) Polycarbonate
Maximum Operating Temperature	-40°C to 85°C
Safety Standards	ANSI/UL 1449 (most current)
Operating Frequency	50/60 Hz

### Dimensions (Diagrams not drawn to scale)



Model Number	Service Voltage	Current Rating	Surge Rating	Case Size	VPR			
					L1 - N	L1 - G	N - G	
TST020/120-10-0-1/15A	120 Volts	15 Amp	20 kA	Small	600	600	600	ATL Listed 120V +
TST020/250-10-0-1/30A	250 Volts	30 Amp	20 kA	Small	1000	1000	1000	
TST020/120-10-0-1/30A	120 Volts	30 Amp	20 kA	Small	600	600	600	
TST040/120-10-0-1/15A	120 Volts	15 Amp	40 kA	Large	500	500	600	
TST040/220-10-0-1/15A	250 Volts	15 Amp	40 kA	Large	800	800	800	
TST040/250-10-0-1/15A	250 Volts	15 Amp	40 kA	Large	800	800	800	
TST040/120-10-0-1/30A	120 Volts	30 Amp	40 kA	Large	500	500	600	
TST040/220-10-0-1/30A	250 Volts	30 Amp	40 kA	Large	800	800	800	
TST040/250-10-0-1/30A	250 Volts	30 Amp	40 kA	Large	800	800	800	
					L1-N	L2-G	L1-L2	Low Voltage
TST010/024-2P-0-1/15A	24 Volts	15 Amp	10 kA	Small	200	200	200	
TST010/048-2P-0-1/15A	48 Volts	15 Amp	10 kA	Small	200	200	200	
TST020/024-2P-0-1/30A	24 Volts	30 Amp	20 kA	Large	200	200	200	
TST020/048-2P-0-1/30A	48 Volts	30 Amp	40 kA	Large	200	200	200	

All product dimensions provided are ± 0.125

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