

**TDS Surge Diverter - TDS350 Series**

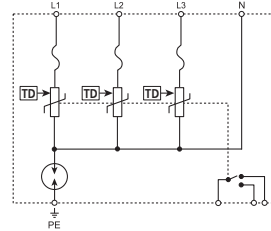
**Features**

- TD Technology with thermal disconnect protection
- Compact design fits into DIN distribution panel boards and motor control centers
- 35 mm DIN rail mount – DIN 43 880 profile matches common circuit breakers
- Indication flags and voltage-free contacts provide remote status monitoring
- Separate plug and base design facilitates replacement of a failed surge module
- 50kA 8/20µs maximum surge rating provides protection suitable for sub-distribution panels and a long operational life
- Available in various operating voltages to suit most common power distribution systems
- CE, UL<sup>®</sup> 1449 Edition 3 Listed

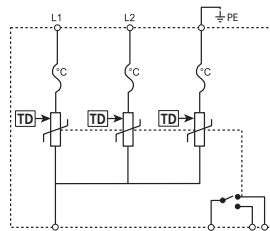
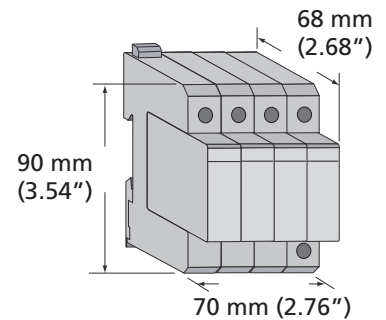
Surges and voltage transients are a major cause of expensive electronic equipment failure and business disruption. Damage may result in the loss of capital outlays, such as computers and communications equipment, as well as consequential loss of revenue and profits due to unscheduled system down-time.

Transient Discriminating (TD) technology helps ensure reliable and continued operation during sustained and abnormal over-voltage events. Internal thermal disconnect devices help ensure controlled behavior at end-of-life. A visual indicator flag provides user-feedback in the event of such operation. As standard, the TDS provides a set of voltage-free contacts for remote signaling that maintenance is due.

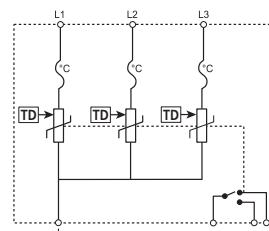
The convenient plug-in module and separate base design facilitates replacement of a failed surge module without needing to undo installation wiring.



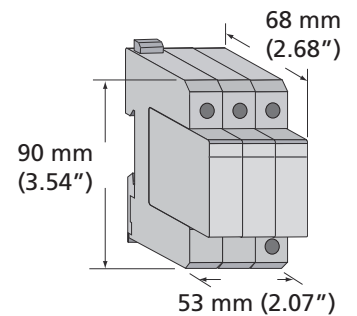
TDS350TT



TDS50120/240



TDS350TNC



Model	TDS350TNC150	TDS50120/240	TDS350TNC277	TDS350TT150	TDS350TT277
Item Number for Europe	702414	702419	702417	702416	702418
Nominal Voltage, U <sub>n</sub>	120-150 VAC		240-277 VAC	120-150 VAC	240-277 VAC
Max Cont. Operating Voltage, U <sub>c</sub>	170/295 VAC	240/480 VAC	320/536 VAC	170/295 VAC	320/536 VAC
Stand-off Voltage	240/415 VAC	240/480 VAC	480/813 VAC	240/415 VAC	480/813 VAC
Frequency	0-100 Hz				
Short Circuit Current Rating, I <sub>sc</sub>	200 kAIC				
Back-up Overcurrent Protection	125 AgL, if supply > 100 A				
Technology	TD Technology with thermal disconnect				
Max Discharge Current, I <sub>max</sub>	50 kA 8/20 µs			12.5 kA 10/350 µs N-PE	50 kA 8/20 µs
Nominal Discharge Current, I <sub>n</sub>	25 kA 8/20 µs		20 kA 8/20 µs	25 kA 8/20 µs	20 kA 8/20 µs
Protection Modes	L-N	L-N, N-PE	L-N	L-N, N-PE	
Voltage Protection Level, U <sub>p</sub>	400 V @ 3 kA 1.0 kV @ I <sub>n</sub>		800 V @ 3 kA 1.6 kV @ I <sub>n</sub>	400 V @ 3 kA 1.0 kV @ I <sub>n</sub>	800 V @ 3 kA 1.6 kV @ I <sub>n</sub>
Status	N/O, N/C Change-over contact, 250 V~/.0.5 A, max 1.5 mm <sup>2</sup> (#14 AWG) terminals Mechanical flag / remote contacts				
Dimensions H x D x W: mm (in)	90 x 68 x 53 (3.54 x 2.68 x 2.07)			90 x 68 x 70 (3.54 x 2.68 x 2.76)	
Module Width	3 M			4 M	
Weight: kg (lbs)	0.36 (0.79)			0.5 (1.10)	
Enclosure	DIN 43 880, UL94V-0 thermoplastic, IP 20 (NEMA-1)				
Connection	≤25 mm <sup>2</sup> (#4AWG) stranded ≤35 mm <sup>2</sup> (#2AWG) solid				
Mounting	35 mm top hat DIN rail				
Temperature	-40°C to 80°C (-40°F to 176°F)				
Humidity	0% to 90%				
Approvals	CE, IEC <sup>®</sup> 61643-1, UL <sup>®</sup> 1449 Ed. 3 Recognized Component Type 2				
Surge Rated to Meet	ANSI <sup>®</sup> /IEEE <sup>®</sup> C62.41.2 Cat A, Cat B, Cat C ANSI <sup>®</sup> /IEEE <sup>®</sup> C62.41.2 Scenario II, Exposure 2, 50 kA 8/20 µs IEC 61643-1 Class II UL <sup>®</sup> 1449 Ed. 3 In 20 kA mode				
Replacement MOV Module	TDS150M150		TDS150M277	TDS150M150	TDS150M277
Replacement GDT Module	-			SGD112M	

