

STV 25K DIN RAIL SERIES

This series provides point-of-use protection, at the dedicated equipment level, against damaging transients. Ideal for installation in electronic control cabinets found in harsh industrial environments such as the factory floor or at remote locations. These devices provide 50,000 amps of surge protection, sine wave tracking, LED status indication and form “C” dry contacts. This DIN Rail series also provides protection on all electrical paths and comes with a standard ten year product warranty. The STV 25K DIN Rail series surge protective devices are UL recognized to Standard 1449, 2nd Edition.

Features

- Compact and narrow design maximizes panel space.
- Low clamping levels for more effective protection.
- Easy access terminal screws for quick mounting and installation.
- 50,000 amps of surge protection.
- Sine wave tracking and all-mode protection provide consistent and reliable protection on all electrical paths.
- Patented thermal fusing prevents MOV overheating caused by excessive current levels.

Applications (20 Amp Max)

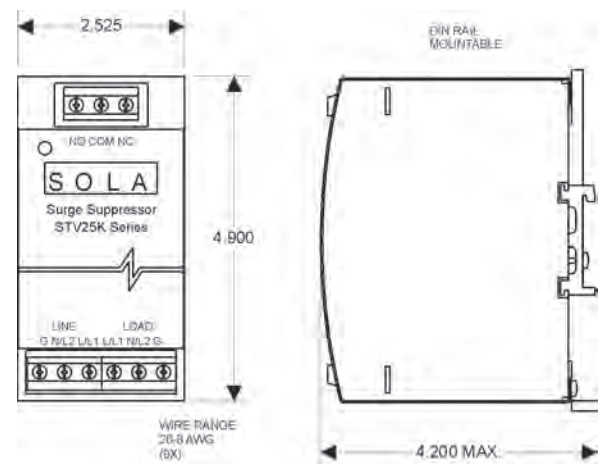
- Control Cabinets for Industrial Automation
- Point-of-Use Industrial/Service Equipment
- Remote Commercial or Industrial Equipment
- Instrumentation and Large Test Equipment
- Commercial and Building Automation Systems

Selection Table

CATALOG NUMBER	INPUT VOLTAGE	
	STV 25K-10S	120 V
STV 25K-24S	240 V	Single Phase (L1 - L2)




Dimensions



STV 25K DIN RAIL SERIES

Specifications

DESCRIPTION	CATALOG NUMBER	
	STV 25K-10S	STV 25K-24S
Input Voltage	120 Vac, Single Phase 0-135 VRMS	240 Vac, Single Phase 0-260 VRMS
Maximum Continuous Operating Voltage (MCOV)	120 Vac - 150 VRMS	240 Vac - 275 VRMS
Line Frequency	47 - 63 Hz	
Connection/ Mounting Type	DIN Rail Mount (Chassis Mount Bracket Optional Order SDN-PMBRK2) with Screw Terminals for #12 AWG.	
Input Current Rating	20 Amps	
Phase Configuration	2-Wire + GND	
Weight - lbs (kg)	3 (1.36)	
Dimensions - in (mm) (H x W x D)	4.87 x 2.5 x 4.375 (12.37 x 6.35 x 11.11) includes mounting bracket	
Modes of Protection	All Mode: L - N, L - L, L - G, N-G	
Safety Agency Approvals	UL 1449  us	
UL 1449 (2nd Edition) Suppressor Classification 120 Vac Normal/ Common Mode 240 Vac Normal/Common Mode	400 Vac 800 Vac	
Status Indication	Green LED, Form C Contacts	
Packaging	Metal DIN Rail Mount Enclosure, IP20	
Response Time	< 0.5 nsec	
Operating Temperature	-40°C to +60°C	
Operating Humidity	0% to 95% Non-Condensing	
NOISE ATTENUATION		
Normal Mode Common Mode	50 dB Min 40 dB Min	
PEAK SURGE CURRENT CAPABILITY (8 X 20 μS)		
Line to Neutral Line to Ground Neutral to Ground	25 kA 25 kA 25 kA	
Warranty	10 Years	