

## The STV 25K DIN Rail Series - Surge Protective Devices

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 25,000 amps of surge protection, sinewave 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.


### 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

### Features

- Compact and narrow design maximizes panel space.
- Low clamping levels for more effective protection.
- Easy access terminal screws for quick mounting and installation.
- 25,000 amps of surge protection.
- Sine wave tracking and all mode protection provide consistent and reliable protection on all electrical paths.
- Thermal fusing prevents MOV overheating caused by excessive current levels.

### Certifications and Compliances

-  UL Recognized Component
  - UL 1449, 3rd Edition, type 4 locations
  - UL 1283
- RoHS Compliant

### Related Products

- DIN Rail Power Supplies
- DIN Rail AC UPS
- Industrial Control Transformers
- Active Tracking<sup>®</sup> Filters



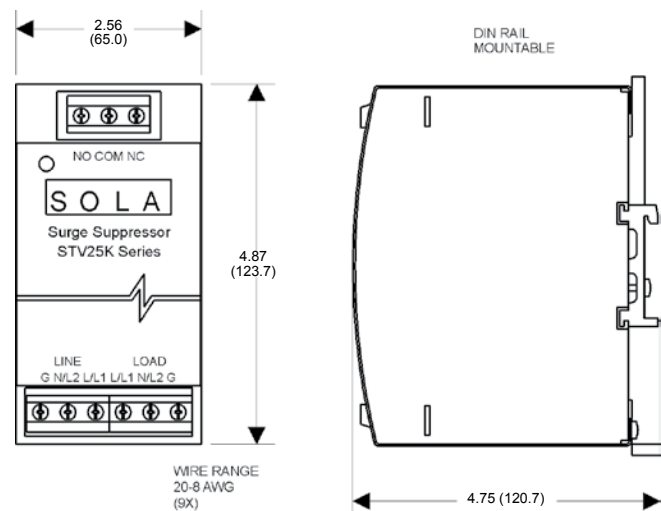
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### Selection Table

Catalog Number	Input Voltage	
STV 25K-10S	120 V	Single Phase (L - N)
STV 25K-24S	240 V	Single Phase (L1 - L2)

### Dimensional Diagram - in. (mm)



## STV 25K Specifications

Description	Catalog Number	
	STV 25K-10S	STV 25K-24S
<b>Input Voltage</b>	120 Vac, Single Phase 0-135 Vrms	240 Vac, Single Phase 0-260 Vrms
<b>Maximum Continuous Operating Voltage (MCOV)</b>	120 - 150 Vrms	240 - 275 Vrms
<b>Line Frequency</b>	47-63 Hz	
<b>Connection/Mounting Type</b>	DIN Rail Mount (Chassis Mount Bracket Optional order SDN-PMBRK2) with screw terminals for #12 AWG.	
<b>Input Current Rating</b>	20 Amps	
<b>Phase Configuration</b>	2 wire + GND	
<b>Weight – lbs (kg)</b>	3.0 lbs (1.36 kg)	
<b>Dimensions H x W x D – in (mm)</b>	4.87 x 2.56 x 4.75 (123.7 x 65.0 x 120.7) includes mounting bracket	
<b>Modes of Protection</b>	All Mode: L - N, L - L, L - G, N-G	
<b>Status Indication</b>	Green LED, Form C Contacts	
<b>Packaging</b>	Metal DIN Rail Mount Enclosure, IP20	
<b>Response Time</b>	< 0.5 nsec	
<b>Operating Temperature</b>	-40°C to +60°C	
<b>Operating Humidity</b>	0% to 95% Non-condensing	
	Noise Attenuation	
<b>Normal Mode</b>	50 dB Min	
<b>Common Mode</b>	40 dB Min	
	UL 1449, 3 <sup>rd</sup> Edition, Type 4 Voltage Protection Ratings (VPRs) Vpeak	
<b>L – N</b>	500	—
<b>L – L</b>	—	900
<b>L – G</b>	500	900
<b>N – G</b>	500	—
	Peak Surge Current Capability (8 x 20 μS)	
<b>Line to Neutral</b>	12.5 KA	
<b>Line to Ground</b>	12.5 KA	
<b>Neutral to Ground</b>	12.5 KA	
<b>Warranty</b>	10 year limited warranty	