

STV25K DIN Rail Series - Surge Protective Devices

The STV25K 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 per phase, 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 STV25K DIN Rail series surge protective devices are UL recognized to Standard 1449.


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
- Ten year limited warranty

Certifications and Compliances

-  UL Recognized Component
 - UL 1449, type 2CA
 - UL 1283
- ABS Type Approval (Pending)
- RoHS Compliant

Related Products

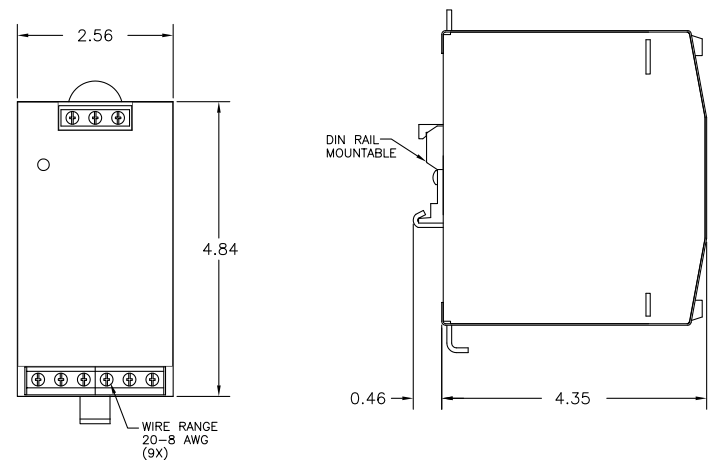
- DIN Rail Power Supplies
- DIN Rail AC UPS
- Industrial Control Transformers
- SolaHD Tracking Filters



Selection Table

Catalog Number	Input Voltage	
STV25K10S	120 V	Single Phase (L - N)
STV25K24S	240 V	Single Phase (L1 - L2)

Dimensional Diagram - in. (mm)



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Specifications

Description	Catalog Number	
	STV25K10S	STV25K24S
Input Voltage	120 Vac, Single Phase 0-135 Vrms	240 Vac, Single Phase 0-260 Vrms
Maximum Continuous Operating Voltage (MCOV)	150 Vrms	300 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 + Ground	
Short Circuit Current Rating (SCCR)	5 kA	
Nominal Discharge Current (In)	3 kA	
Weight – lbs (kg)	3.0 (1.36)	
Dimensions H x W x D – in (mm)	4.87 x 2.56 x 4.75 (123.7 x 65.0 x 120.7) includes mounting bracket	
Modes of Protection	All Mode: L - N, L - L, L - G, N-G	
Status Indication	Green LED, form C Contacts	
Packaging	Metal DIN Rail Mount Enclosure, IP20	
Response Time	< 0.5 nanoseconds	
Operating Temperature	-40 °C to +60 °C (-40 °F to +140 °F)	
Operating Humidity	0% to 95% Non-condensing	
	Noise Attenuation	
Normal Mode	50 dB Min.	
Common Mode	40 dB Min.	
	UL 1449, Type 4 Voltage Protection Ratings (VPRs) Vpeak	
L – N	500	—
L – L	—	900
L – G	500	900
N – G	500	—
	Peak Surge Current Capability	
Warranty	10 year limited warranty	