

Two Types of Protection in One Convenient Package

Active Tracking® Filters
and Surge Suppression
in One Device



The new STFV Plus combines Active Tracking® Filtering for low energy disturbances and surge suppression for high energy transients such as lightning. It continuously tracks the input AC power line responding instantly to extraneous high frequency noise and high voltage transients caused by everyday events such as turning on machinery, motors, or equipment.

They are built to meet your unique requirements, and are available in a hardwire, single phase configuration. Designed for years of trouble free operation and require little or no operator intervention after installation.

Now you can enjoy the convenience of two types of protection in one package to cover a broader range of power quality problems. To learn more, visit our website at www.solaheviduty.com.

Powering
performance.



Gross Automation (877) 268-3700 · www.solahevidutysales.com · sales@grossautomation.com

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Features

- > Single Phase applications up to 30 Amp
- > Surge current capacity - 40,000 Amps
- > Operating Temperature from -40°C to +60°C
- > Transient protection in all modes (L-N, L-G, and N-G)
- > High impact plastic case, epoxy encapsulated enclosure

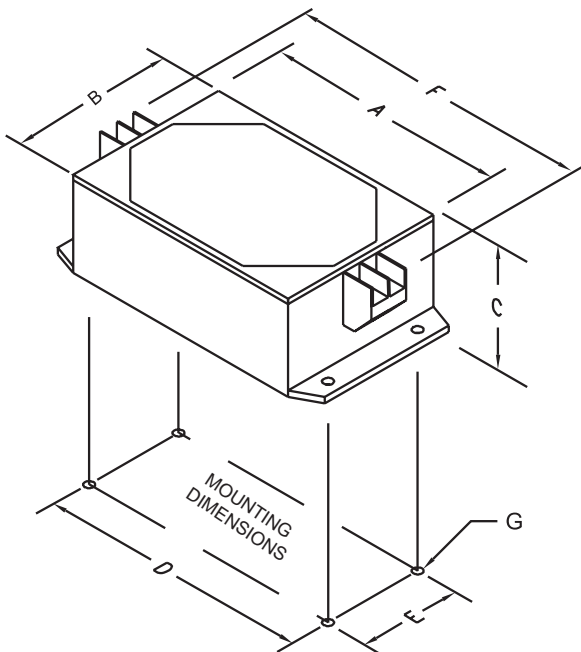
Applications

- > Branch and Control Panels
- > Factory Automation Installations
- > Point of use industrial service equipment
- > Programmable Logic Controllers
- > Dedicated Industrial and Machine tools
- > Telecommunications and IT equipment

Selection Table

Catalog Number	Amps	Case Dim. (in) A x B x C	Mounting Flange Dims (in) D x E x F x G	Number Min Wire Size (AWG Suggested)	Screw Size	Fuse/Circuit Breaker Ampacity		Weight (lbs)
						Suggest	Max	
Single-Phase Models (120 VAC)								
STFV025-10N	2.5	4.0 x 2.88 x 1.81	4.38 x 2.12 x 5.31 x 0.19	26	#6	2.5	3.125	1.0
STFV050-10N	5.0	4.0 x 2.88 x 1.81	4.38 x 2.12 x 5.31 x 0.19	22	#6	5	6.25	1.3
STFV075-10N	7.5	4.75 x 4.75 x 2.35	5.25 x 3.5 x 6.25 x 0.19	18	#6	7.5	9.375	2.0
STFV150-10N	15.0	6.25 x 4.75 x 2.35	6.75 x 3.5 x 7.75 x 0.19	14	#8	15	18.75	3.5
STFV300-10N	30.0	7.75 x 4.75 x 2.35	8.25 x 3.5 x 9.0 x 0.19	10	#8	30	37.5	6.0
Single-Phase Models (240 VAC)								
STFV025-24L	2.5	4.0 x 2.88 x 1.81	4.38 x 2.12 x 5.31 x 0.19	26	#6	2.5	3.125	1.3
STFV050-24L	5.0	4.75 x 4.75 x 2.35	5.25 x 3.5 x 6.25 x 0.19	22	#6	5	6.25	2.0
STFV075-24L	7.5	6.25 x 4.75 x 2.35	6.75 x 3.5 x 7.75 x 0.19	18	#6	7.5	9.375	3.5
STFV150-24L	15.0	7.75 x 4.75 x 2.35	8.25 x 3.5 x 9.0 x 0.19	14	#8	15	18.75	5.8
STFV300-24L	30.0	7.75 x 4.75 x 2.35	8.25 x 3.5 x 9.0 x 0.19	10	#8	30	37.5	6.0

Dimensions



System Design

Series Blocking Inductors
voltage blocking current
smoothing inductors

Shunt Absorbing Components
sine wave tracking circuitry

MOV Transient Protection
high-energy transient protection
line to neutral, line to ground,
neutral to ground

Pulse Capacitor
high-frequency noise absorption

