



Plug-in Module with Standard Base



Plug-in Module with Optional DIN Rail Mounting Clip

STC-642 SERIES


The STC-642 Series of surge suppressors are dual pair (four wire) modules using three-stage hybrid technology. This module addresses overvoltage transients with gas tubes and silicon avalanche components. In addition, sneak and fault currents are mitigated with resettable fuses (PTCs). The PTCs increase resistance several orders of magnitude when over-currents exceed safe levels. A normal state resumes when over currents are removed. The ability to self restore in this manner significantly increases suppressor performance and survivability.

APPLICATIONS

- Intended for indoor use on communication loop circuits which have been isolated from the Public Switch Telephone Network
- Ideal for RS232 applications
- Works well for 4-20 mA signal applications
- For use in service capable of supplying less than 150 milliamperes continuously

- Hybrid design of includes series resistance
- Fast response time
- Five year limited warranty

CERTIFICATIONS AND COMPLIANCES

-  Listed
 - UL 497B
- RoHS Compliant

FEATURES

- Surge protection for low voltage data signal lines
- Three-stage protection (SAD, GDT, PTC)
- Sneak/fault current protection
- Resettable solid-state fuses - PTCs
- Low capacitance option for high speed data
- Plug-in module with base included
- Optional DIN Rail Mounting Clip is available for use with the Plug-in module in place of the standard base

SELECTION TABLE

Catalog Number	Description
STC642036	5-36 Vdc Operating Voltage. Includes module base, designed to accommodate up to 10 AWG wire. The base offers Flat/Philips screws and can be mounted using 2 #6 size screws.
STC642DINKIT	Optional DIN Rail Mounting Clip for STC642DINKIT

SOLAHD For product information:
www.solahd.com
 1.800.377.4384

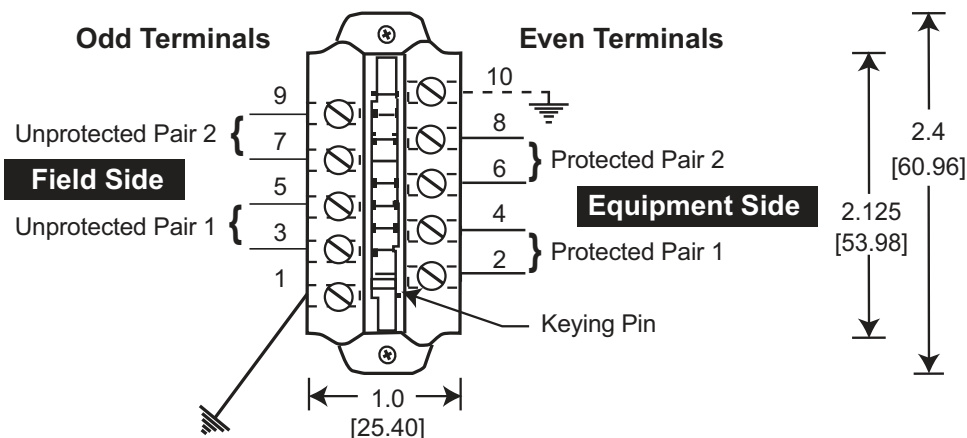


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SPECIFICATIONS

Description	STC642036
Peak Surge Current	8x20 μs at 10 kA
Life Expectancy	8x20 μs (2000 A) at >100 occurrences
Response Time	<1 nanosecond
Voltage Clamp	5-36 Vdc
Technology	GDT/PTC/SAD Hybrid
Resistance	5 Ohms (typical)
Capacitance (typical)	1500 pf
Operating Temperature	-40 °C to +85 °C (-40 °F to +185 °F)
Weight - oz (g)	2 (56.7)
Dimensions H x W x L - in (mm)	2.05 x 1.00 x 2.40 (52.1 x 25.4 x 61.0)
Warranty	5 year limited warranty

WIRING DIAGRAM (PIN ASSIGNMENTS)



Ground Terminal 1 or 10 (internally tied together) to building approved ground (preferably AC Power ground).