STC-DRS Series - DIN Rail Protection

The STC-DRS Series uses three-stage hybrid technology, this DIN Rail mountable, single pair, surge suppressor attenuates over-voltage transients with gas tubes and silicon avalanche components while resettable fuses (PTCs) mitigate sneak currents.The PTC increases resistance by 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.

The STC-DRS Series mounts onto a standard 35 mm industrial DIN rail. There are three Field Side and three Electronics Side screw terminals, one is reserved for a shield. Three electrically tied ground terminals are provided for grounding the unit to building-approved ground. The shield is isolated from ground.

Application

- Intended for indoor use on communication loop circuits which have been isolated from the Public Switch Telephone Network

Features

- Low-Voltage data surge protection
- Three-Stage hybrid technology
- Sneak/Fault current protection with resettable fuses (PTCs)
- Low profile packaging
- Easy installation
- Fits standard 35 mm DIN Rail
- Fast response time <1 nanosecond
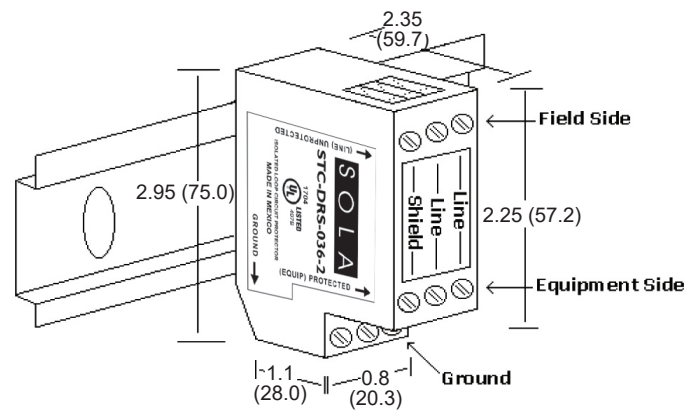- Five year limited warranty

Certifications and Compliances

- UL Listed
  - UL 497B
- RoHS Compliant

E516380

Dimensional Diagram - in. (mm)

Note:
These protectors are intended for indoor use on communication loop circuits.
The communication loop circuits shall not be exposed to accidental contact with the electric light or power conductors. The protectors shall be installed per the applicable requirements of the National Electric Code, ANSI/NFPA 70.

Selection Table

Catalog Number	Max Peak Signal Voltage	Operating Voltage	Max Current 1p 10X1000 ms (Occurrences)	Peak Current 8X20 ms	Typ. Cap (pf)	Max Continuous Current	Nominal Series Resistance
STCDRS036	43	5-36	>100	10 kA	1500	150 mA	5 Ω

EMERSON

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[SolaHD](#):

[STC-DRS-036](#)