

Edco DRS (DC) Series

DIN Rail Protection

The Edco DRS (DC) Series is a DIN rail mountable, single-pair surge suppression module implementing three-stage hybrid technology. This module addresses over-voltage transients with gas tubes and silicon avalanche components. In addition, sneak 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.

The Edco DRS (DC) 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 Edco DRS Series unit to Building-Approved Ground. Shield is isolated from ground. For a 2-terminal version without a shield, order the Edco DRS-XXX-2.

Features

- Low-voltage data surge protection
- Three-stage hybrid protection
- Sneak/fault current protection with resettable fuses – PTCs
- Low profile packaging
- UL 497B listed
- Easy installation
- Fits standard 35 mm DIN rail
- Fast response time < 1 nanosecond
- 5 year warranty



General Technical Specifications

Part Number	Maximum Peak Signal Voltage	Nominal Breakdown Voltage	Surge 1p 10 x 1000 μ s Current	Peak Current 8 x 20 μ s Waveform	Typ Cap (pf)	Maximum Continuous Current (ma)	Nominal Series Resistance
DRS-008	6	8	>100	10 kA	1500	150	5 Ohms
DRS-015	12	15	>100	10 kA	1500	150	5 Ohms
DRS-232	15	22	>100	10 kA	1500	150	5 Ohms
DRS-030	24	30	>100	10 kA	1500	150	5 Ohms
DRS-036	30	36	>100	10 kA	1500	150	5 Ohms
DRS-043	35	43	>100	10 kA	1500	150	5 Ohms
DRS-050	43	50	>100	10 kA	1500	150	5 Ohms
DRS-060	52	60	>100	10 kA	1500	150	5 Ohms
DRS-175	200	250	>10	8 kA	1500	150	5 Ohms
**DRS-130	170	200	>10	8 kA	1500	5000	None

****Warning!!** DRS-130RMS is for Discrete Signal Use Only. Do not use DRS-130RMS on 120 VAC Power Lines. This unit is a non-hybrid, MOV design, rated above 5 A operational current and can withstand greater than eight occurrences of a 10 kA 8 x 20 μ s waveform, and greater than 1000 occurrences of a 200 A 10 x 1000 μ s waveform.

Dimensional Diagrams

