*Silicon Surge Suppression for DC DIN Rail Mounting**

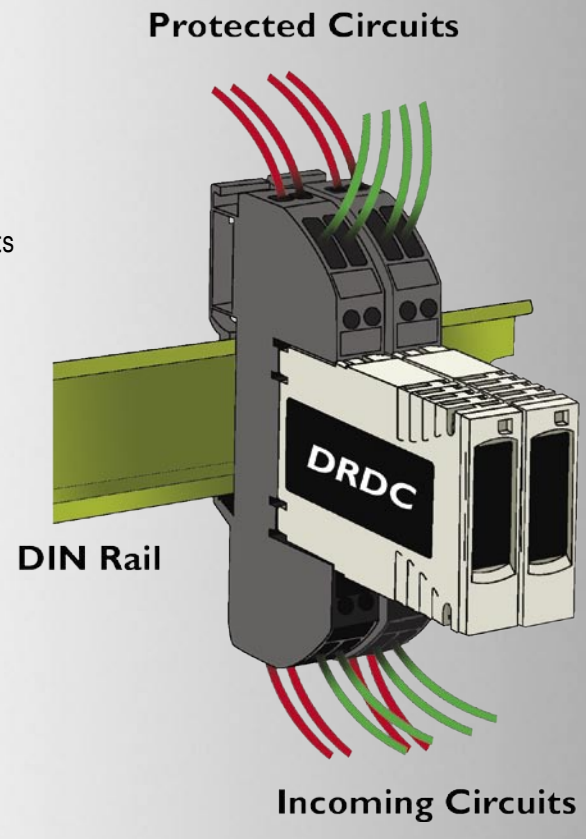
The DRDC Series DIN Rail surge suppressors are high-speed, high-current, solid-state devices designed to protect electronic equipment and systems from transient overvoltages. They perform this function by limiting the magnitude of transient overvoltages present on low voltage DC power lines, 4-20mA current loops, and low frequency data lines. You can trust Transtector's patented silicon technology to defend your valuable electronic systems.

*Note: DIN Rail Must Have Solid Earth Ground

TRANSTECTOR

Applications

- DC Power Circuits
- 4-20mA Current Loops
- Fire Alarm and Security Circuits
- Low Frequency Data Circuits
- Speaker Circuits
- RS422/485



DRDC Series

*Silicon Surge Suppression for DC DIN Rail Mounting**

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DRDC Series

Features

- 100% Non-degrading silicon technology
- Fits into standard 35mm type DIN Rail
- Designed for quick removal from separate mounting base
- Continuous bi-polar protection
- Screw terminals accept 28-12AWG

Configurations

Service Frequency	50/60 Hz
Operating Temperature	-40° C to +80° C
Response Time (Max.)	<5 Nanoseconds

Warranty Five (5) year unconditional warranty
Ten (10) year manufacturer warranty

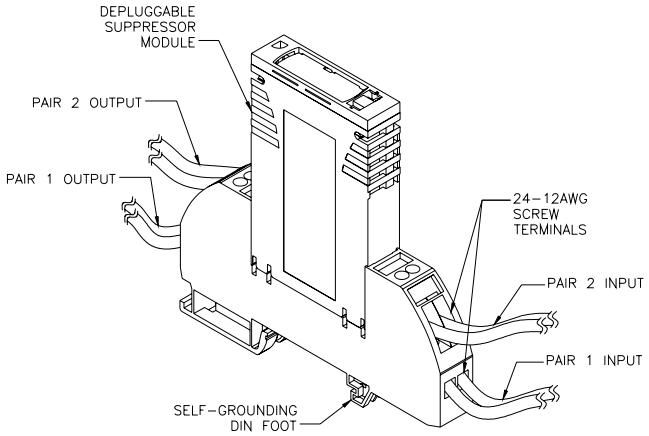
Dimensions 3.5"h X 1"w X 2.95"l
8cm x 2.5cm x 7.5cm

c UL us

Configurations

DRDC Model	7	12	24	48	70
MCOV	13VDC	16VDC	32VDC	64VDC	118VDC
Voltage Protection Levels 10/1000 µs	20 Vpeak @ 164A	25 Vpeak @ 134A	50 Vpeak @ 134A	100 Vpeak @ 134A	165 Vpeak @ 66A
Voltage Protection Level 8/20 µs	25 Vpeak @ 1400A	30 Vpeak @ 1200A	60 Vpeak @ 1200A	120 Vpeak @ 1200A	185 Vpeak @ 600A
Part Number	1101-678	1101-679	1101-680	1101-681	1101-724

Installation



1. These products are intended for use only on data & power circuits with operating voltages not to exceed 48VDC and operating currents not to exceed 10A.

2. Installing the DRDC Series

2.1 Mount the device as close as possible to the equipment to be protected.

2.2 Mounting, Mechanical: Install the product onto standard 35mm DIN Rail using the Self-Grounding foot.

Engage the metal grounding clip onto the rail first, then snap into place. To remove the device, apply force on the lever provided on the foot using a flathead screw driver.

Note: DIN Rail must be connected to a solid Earth ground for proper suppressor operation.

2.3 **Wiring:** Connect each DC power or signal pair to the numbered 24-12AWG screw terminals according to the following legend (Input->Output):

Pair 1	**Pair 2**
1->7	3->5
2->8	4->6

Note: This information is also contained on the product model label.

2.4 Wiring the Shield: If a shielded cable is utilized, use the pass-thru terminal blocks contained in the packaging supplies to secure the shield for each pair.

3. Replacing DRDC Series Suppressor Modules

3.1 Annunciation: In the case of failure, the suppressor module will interrupt the DC power or signal path.

3.2 Replacing the module: To replace the suppressor module, simply pull the failed module out of the base and reinstall a new one assuring that the pcb in the module is oriented with the slot in the module base.

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An ISO 9001:2000 and 14001 Certified Company

TRANSTECTOR®
SUPERIOR SURGE SUPPRESSION