

REVISIONS				
REV.	DESCRIPTION	ECN	DATE	APPROVED
B	REFER TO ECN	13066	01/07/15	KAD

MAXIMUM CHARACTERISTICS

Application:

The DRDC Series Din-Rail surge suppressors are modular, high-speed, high-current, solid-state devices designed to protect electronic equipment and systems from transient overvoltages. The suppressor limits the magnitude of transient overvoltages that may occur on low voltage DC power lines, 4-20mA current loops or low frequency data lines. Data lines that benefit from DRDC suppression include: Ethernet, RS-485/232, Profibus, Foundation Fieldbus, DH+ or DeviceNet.

The DRDC Series surge suppressors utilize only silicon avalanche suppression diodes (SASD). The suppressor provides continuous, bipolar protection and automatically resets after a surge event with no degradation to its protection capabilities.

The suppressor includes a removable module with a base that mounts on a standard 35mm DIN (EN5022) rail. The suppressor size and form factor allows for convenient replacement of existing terminal blocks. The suppressor connects in a series (pass-through) configuration, the screw terminals accept two wire pairs (28 - 12AWG), and the device is rated for up to 10A of continuous current. Note: The DRDC surge suppressor REQUIRES that the DIN rail have a low impedance path to Earth ground.

The DRDC Series suppressors are approved for hazardous locations that require a rating of **Class1 Division 2, Groups A, B, C, D.**

Electrical Service:

Input/Output Connection: 28-12AWG Screw Terminal

Configuration: 2 pair / 4 wire

Protection Modes: L-G

Pass-Through Current (Max.): 10A

Maximum Continuous Operating Voltage: 32Vdc

Electrical Performance:

Response Time: 5ns (Max)

Voltage Protection level:

Maximum Vpl Tested to IEEE/ANSI C62.41 10/1000µs Long Wave: 50Vpk @ 134A

Maximum Vpl Tested to IEEE/ANSI C62.41 8/20µs Combination Wave: 60Vpk @ 1200A

Certifications:

UL 497B

Hazardous Locations: FM Approvals Class I Division 2 US, Canada and EU

Mechanical:

Dimensions: 100mm H x 12.5mm W x 100mm L

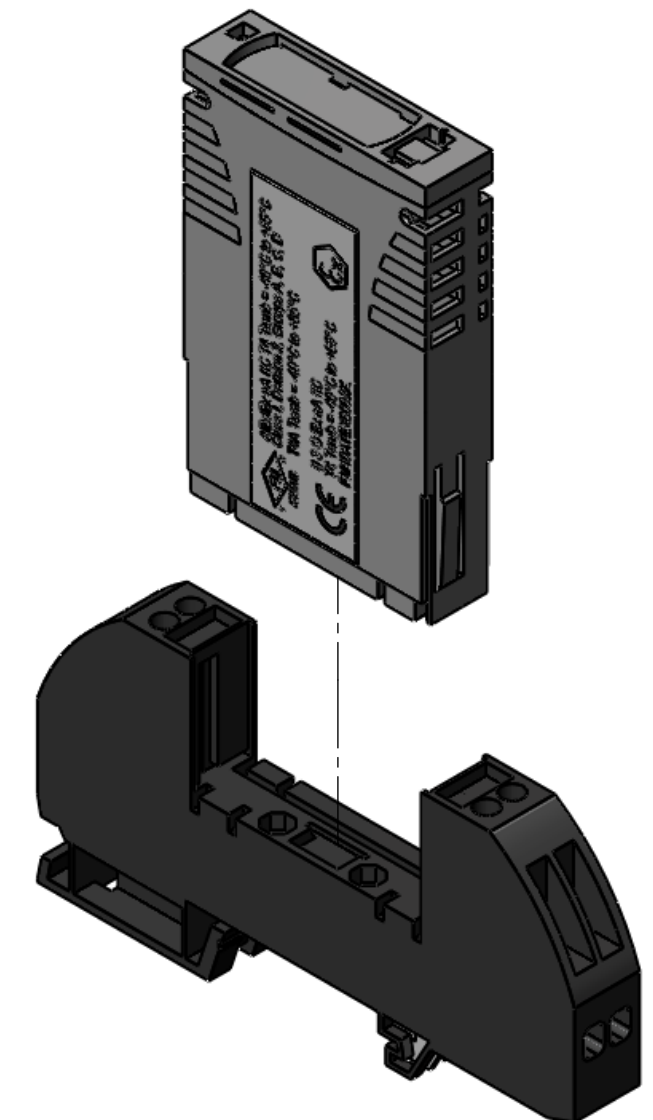
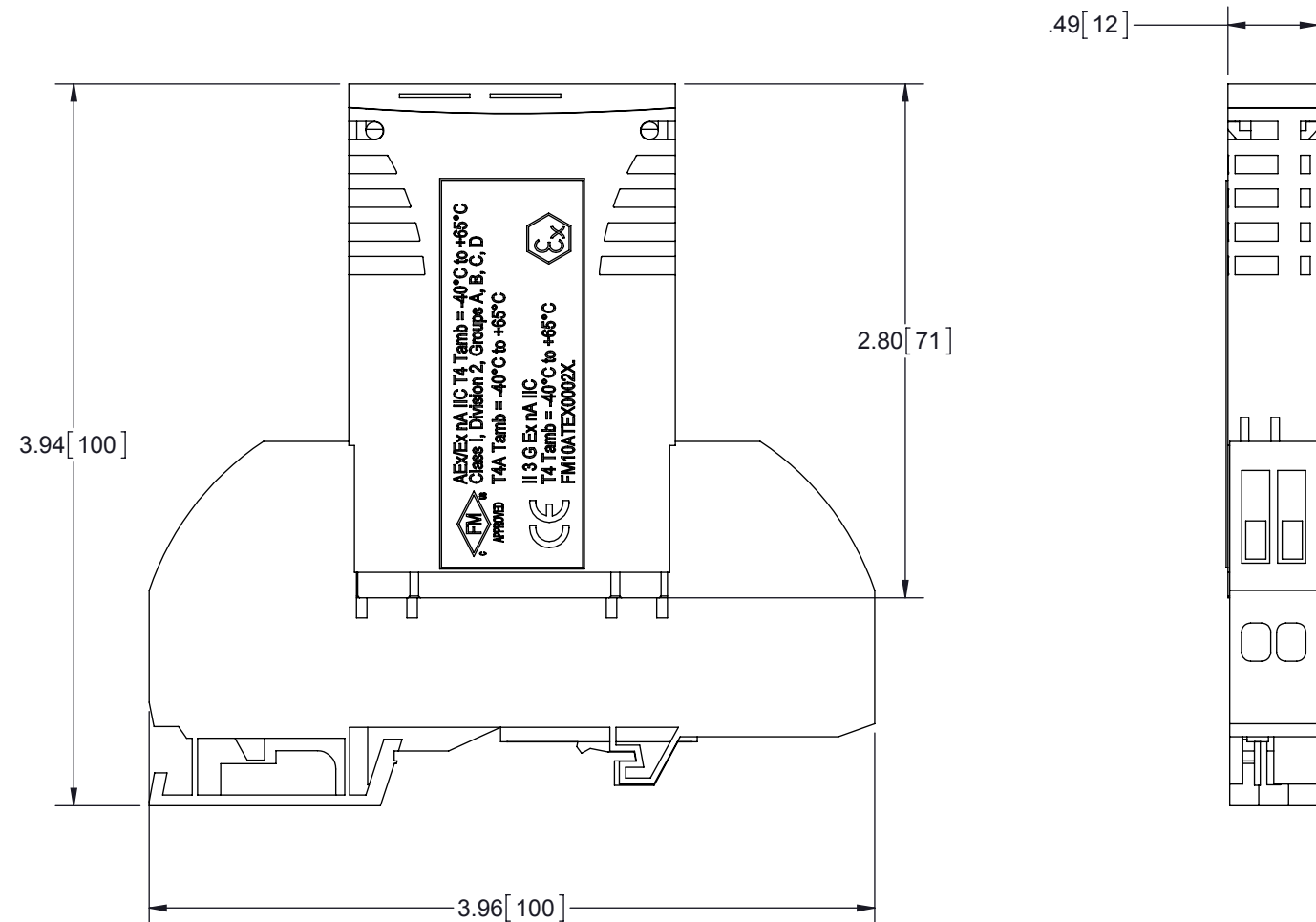
Weight (Max): 2 Oz.

Environmental:

Storage/Operating temperature: -40°C to +65°C

Relative Humidity: 95%

NOTE: Din-Rail must be connected to a solid earth ground for proper suppressor operation.



ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS		DRAWN DPM DATE 7/16/13			
TOLERANCES: FRACTIONS=± 1/32 .XX=± .01 ANGLES=± 1° .XXX=± .005		ENG APPD DWR DATE 7/18/13			
MATERIAL NOTED		PRODUCT MGR MLH DATE 8/15/13			
THIRD-ANGLE PROJECTION 		MARKETING APPD LJ DATE 8/15/13			
NOTICE: THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF TRANSTECTOR SYSTEMS. ALL RIGHTS RESERVED.		PROJECT NO.		TITLE CUSTOMER PRINT DRDC 24 CUSTOMER SPECIFICATION	
SIZE B	CAGE 30992	PART NUMBER 1101-680	REV B		
SCALE 1:1	PROD CAT DCT	DOCUMENT NAME 1101-680-C	SHEET 1	OF 1	

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