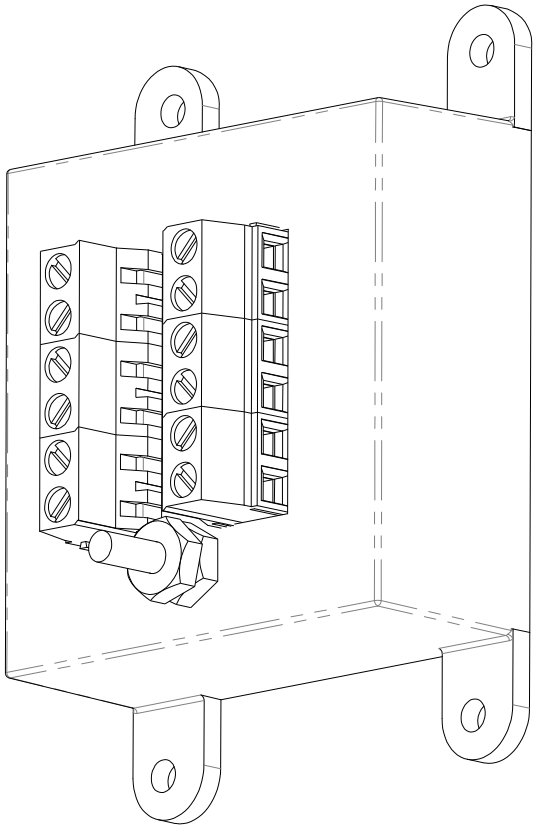
THIS DRAWING HAS BEEN GENERATED AND IS MAINTAINED BY A CAD SYSTEM. CHANGES SHALL ONLY BE INCORPORATED AS DIRECTED BY THE DESIGN ACTIVITY.

REVISIONS

LTR	DESCRIPTION	ECO NUM.	DATE	APPROVED
A	UPDATE CONNECTIONS	2180	3/24/99	
B	UPDATE CONNECTORS	2237	5/17/99	JAH 5/25/99
C	UPDATE OPERATING TEMP	7746	12/3/08	DWR
D	UPDATE COMPONENT VIEWS	10444	2/13/12	LC



UNLESS OTHERWISE SPECIFIED DIM. IN INCHES BEFORE PLATING

MATERIAL:

NOTED

DRAWN: JDW	DATE 3/15/99	
CHECKED: CKW	5/24/99	
ENGR. APPD: JAH	5/25/99	
PROJ. APPD: DLR	5/24/99	
APPROVED:		

TRANSTECTOR
10701 Airport Drive, Hayden, ID 83835, USA
+1.208.772.8515 FAX +1.208.762.6034
800.882.9110 www.transtector.com

TITLE:

FSP 4001 MC SPECIFICATION

SIZE	CAGE	DRAWING NUMBER	REV
A	30992	1400-321-1	D

SCALE = N/A

SURGE SUPPRESSOR Model: FSP 4001 MC

1. GENERAL DESCRIPTION: The FSP 4001 MC surge suppressor is a high-speed, high-current solid state device designed to protect RS 422, 4-20 ma Double Wire Pair (4-Wire) configurations and other balanced pair applications from transient over voltages. **The FSP 4001 MC uses only silicon suppression components**. It connects to the equipment and line via two (2). Six (6) position terminal blocks.

2. **PERFORMANCE REQUIREMENTS:**

2.1. Electrical Service:

2.1.1. **Service Voltage** ..... 12 VDC
2.1.2. **Configuration** ..... 2 balanced pairs + 2 shields
2.1.3. **Input Connection** ..... Terminal block
2.1.3.1. **Number of connector positions** ..... 6 in 6 out
2.1.4. **Protection Modes** ..... Line to Line, Line to GND (No protection on shield)
2.1.5. **Maximum Continuous Operating Voltage** ..... 13 VDC

2.2. Electrical Performance:

2.2.1. Testing:
2.2.1.1. ... Tested to IEEE 10/1000
2.2.1.1.1. Long Wave ..... Ipk 200 A peak
2.2.2. Response Time (Max) ..... 5 nanoseconds
2.2.3. Standby Power (Max) ..... < 0.05 Watt
2.2.4. Operating Temperature ..... -40°C to +65°C

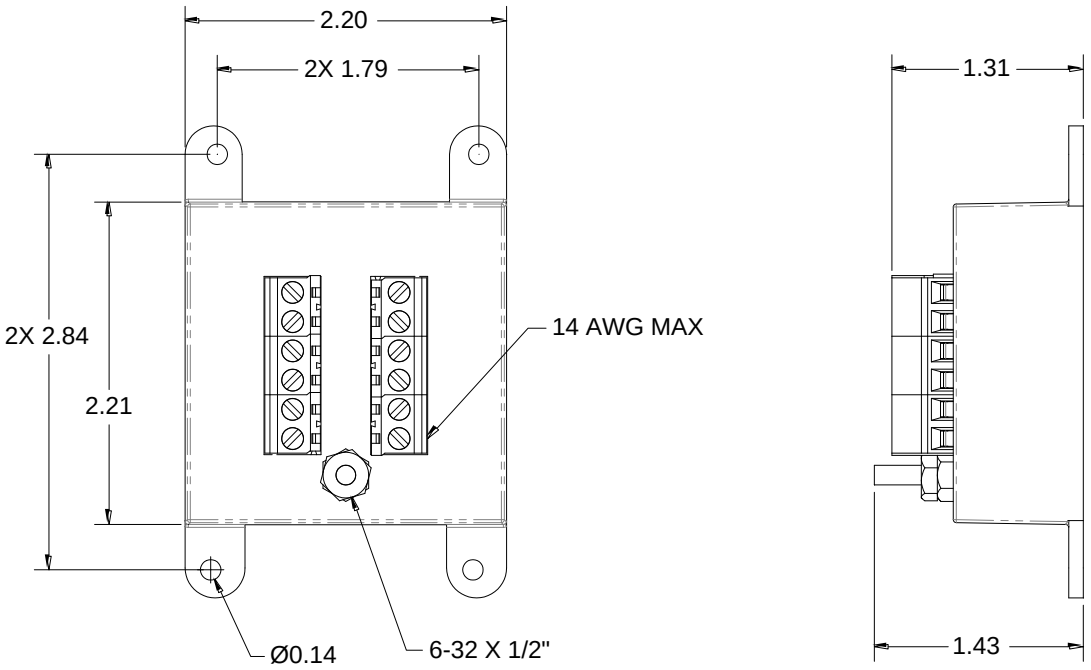
2.3. Mechanical:

2.3.1. Enclosure Description: The suppressor is housed in a molded plastic enclosure that is 2.2 in long, 2.2 in wide and 0.9 in tall.

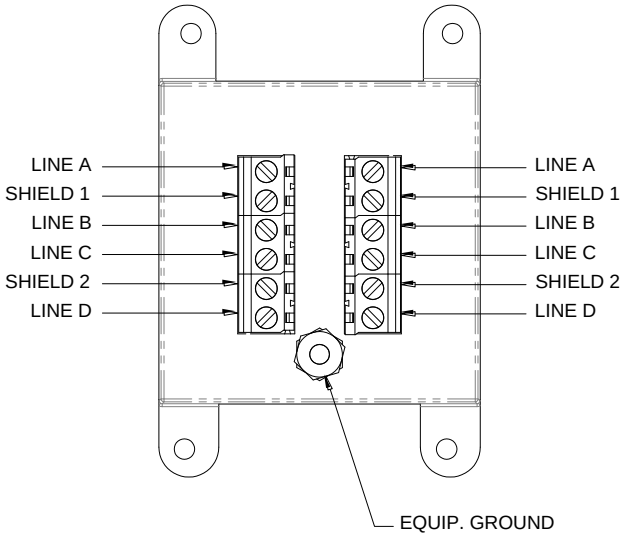
3. ENVIRONMENTAL:

3.1. Operating Temperature: ..... -40°C to +65°C
3.2. Storage Temperature: ..... -40°C to +65°C
3.3. Relative Humidity: 90%

4. MECHANICAL DETAIL



ALL DIMENSIONS NOMINAL



TRANSTECTOR® SUPERIOR SURGE SUPPRESSION	NOTICE: THE INFORMATION AND DESIGN CONTAINED HEREIN IS THE PROPERTY OF TRANSTECTOR SYSTEMS. WHO RESERVES ALL RIGHTS THERETO.	SIZE A	CAGE 30992	1400-321-1	D
		SCALE = N/A			Page 3 OF 3