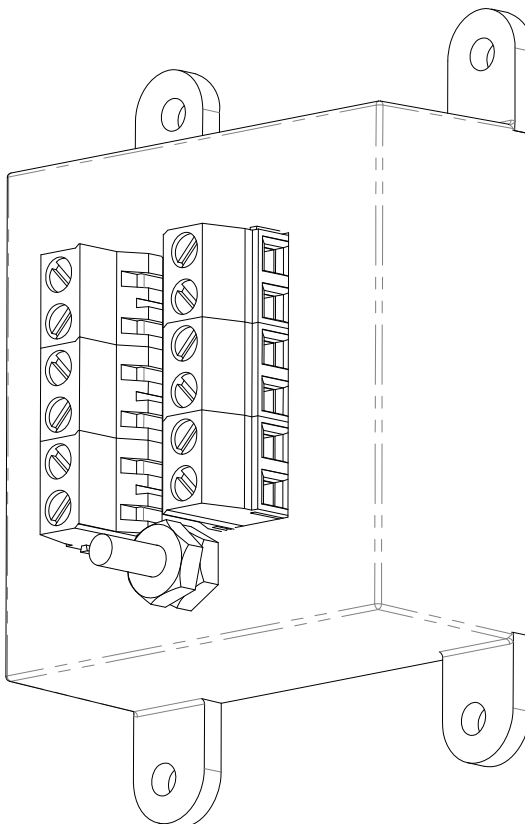


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REVISIONS

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

DRAWN:

JDW

DATE

3/15/99

CHECKED:

CKW

5/24/99

ENGR. APPD:

JAH

5/25/99

PROJ. APPD:

DLR

5/24/99

MATERIAL:

NOTED

APPROVED:



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TITLE:

**FSP 4001 MC
SPECIFICATION**

NOTICE: THE INFORMATION
AND DESIGN CONTAINED HEREIN IS
THE PROPERTY OF TRANSECTOR
SYSTEMS. WHO RESERVES ALL
RIGHTS THERETO

SIZE

A

CAGE

30992

DRAWING NUMBER

1400-321-1

REV

D

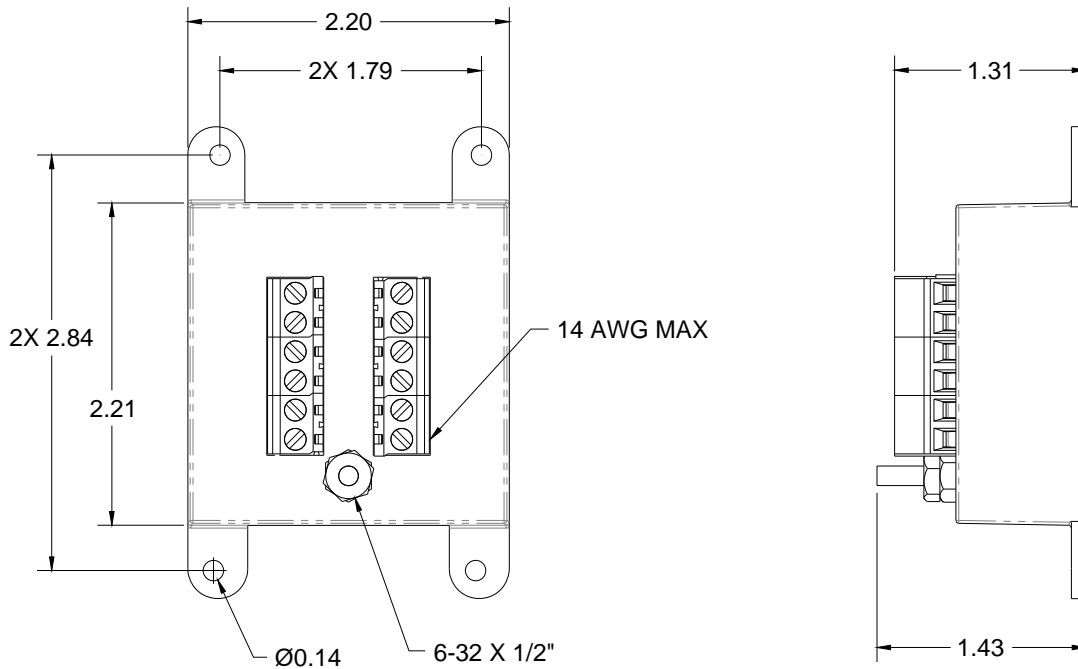
SCALE = N/A

PAGE 1 OF 3

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 1pk 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

