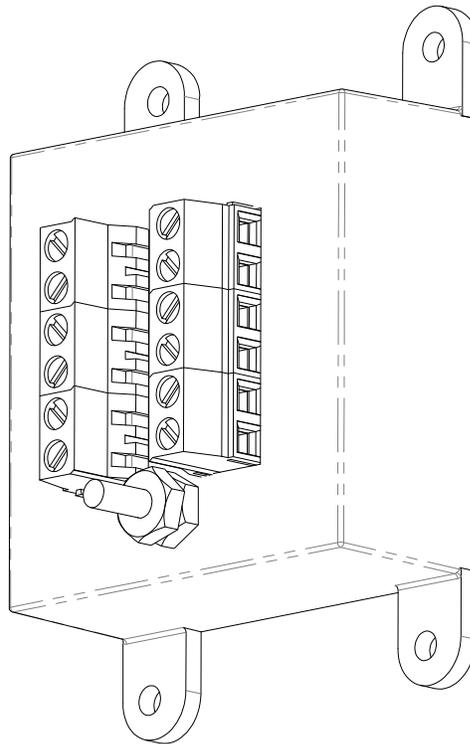


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REVISIONS

LTR	DESCRIPTION	ECO NUM.	DATE	APPROVED
A	UPDATE CONNECTIONS	2180	4/5/99	
B	UPDATE CONNECTORS	2237	5/17/99	JAH
C	UPDATE OPERATING TEMP	7746	12/3/08	DWR
D	UPDATE COMPONENT VIEW	10444	2/13/12	LC

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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:	



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TITLE:

**FSP 4003 MC
SPECIFICATION**

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SIZE A	CAGE 30992	DRAWING NUMBER 1400-321-3	REV D
SCALE = N/A		PAGE 1 OF 3	

SURGE SUPPRESSOR Model: FSP 4003 MC

1. **GENERAL DESCRIPTION:** The FSP 4003 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 4003 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**.....52 VDC
- 2.1.2. **Configuration** 2 balanced pairs + 2 shields
- 2.1.3. **Input Connection** Terminal Blocks
 - 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**.....54 VDC

2.2. **Electrical Performance:**

2.2.1. **Testing:**

- 2.2.1.1. ... Tested to IEEE 10/1000
 - 2.2.1.1.1. Long WaveIpk 67 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:**

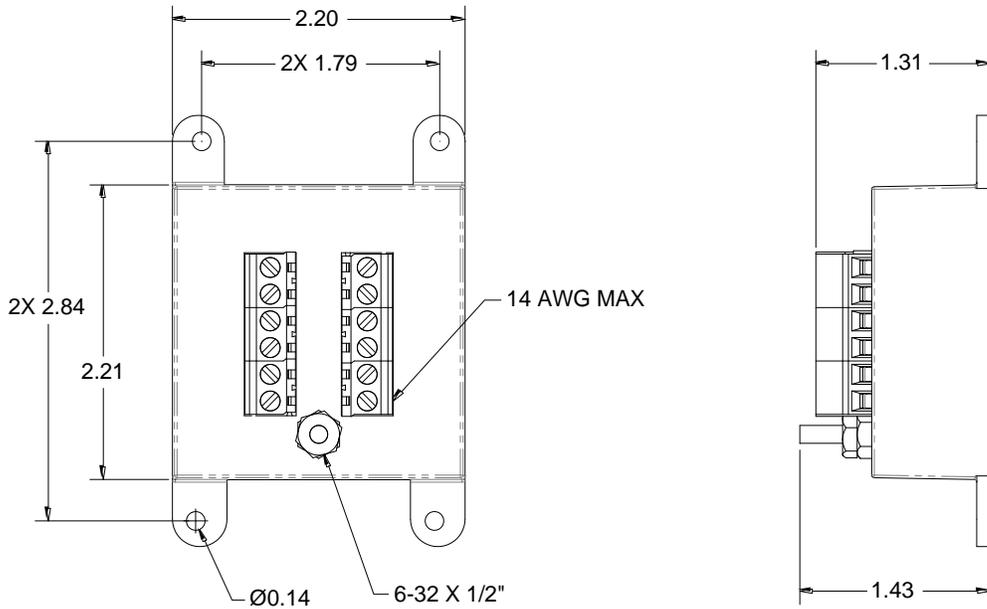
- 3.1. **Operating Temperature:**-40°C to +65°C
- 3.2. **Storage Temperature:**-40°C to +65°C
- 3.3. **Relative Humidity:**90%



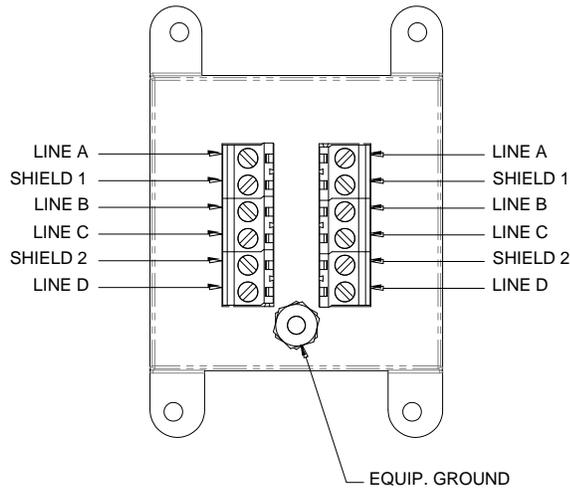
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SIZE	CAGE		
A	30992	1400-321-3	D
SCALE = N/A		Page 2 OF 3	

4. MECHANICAL DETAIL



ALL DIMENSIONS NOMINAL



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SIZE
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CAGE
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1400-321-3

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SCALE = N/A

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