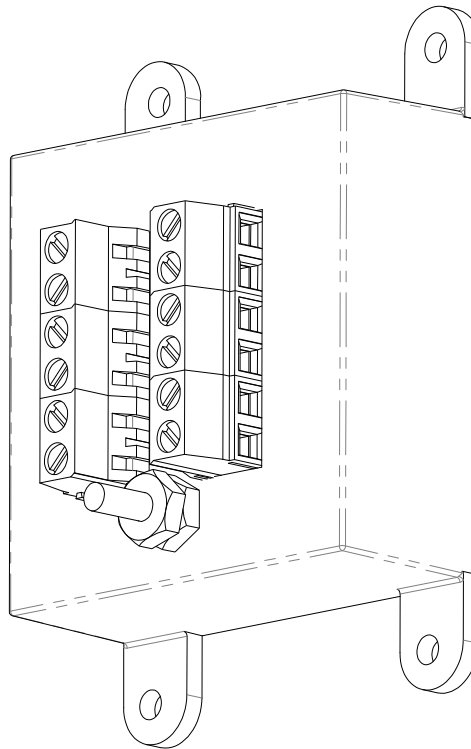


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DESIGN ACTIVITY.

## 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

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 4003 MC  
SPECIFICATION**

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RIGHTS THERETO

SIZE

**A**

CAGE

**30992**

DRAWING NUMBER

**1400-321-3**

REV

**D**

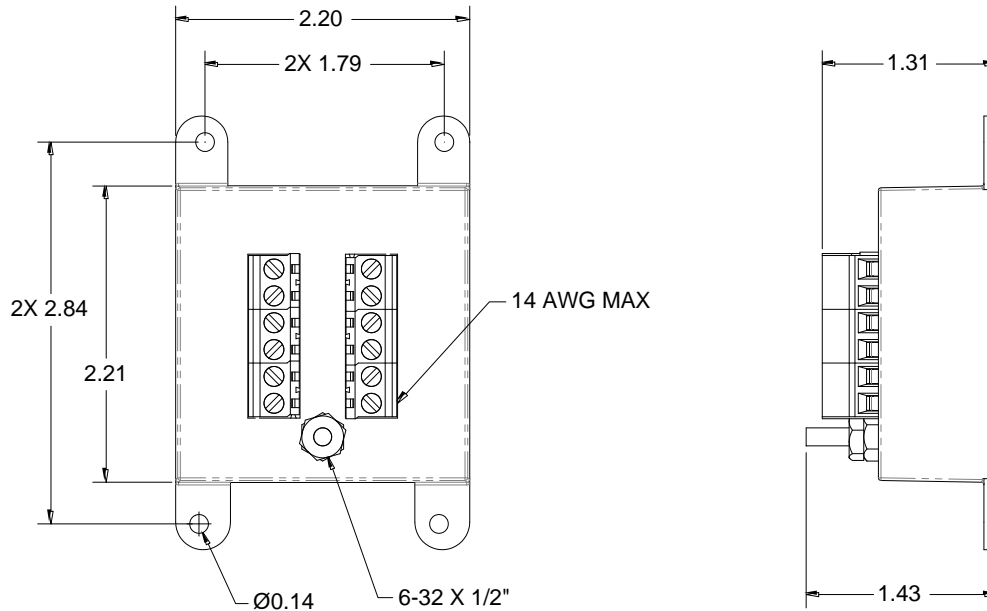
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PAGE 1 OF 3

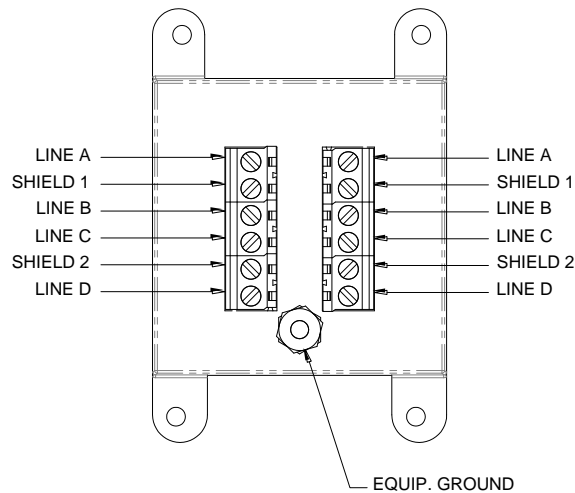
## SURGE SUPPRESSOR Model: FSP 4003 MC

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 Wave .....Ipk 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%

#### 4. MECHANICAL DETAIL



ALL DIMENSIONS NOMINAL



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