

## Specification Status: Released

### Maximum Electrical Ratings

Operating Voltage / Interrupt Current

**15V<sub>DC</sub> / 40A**

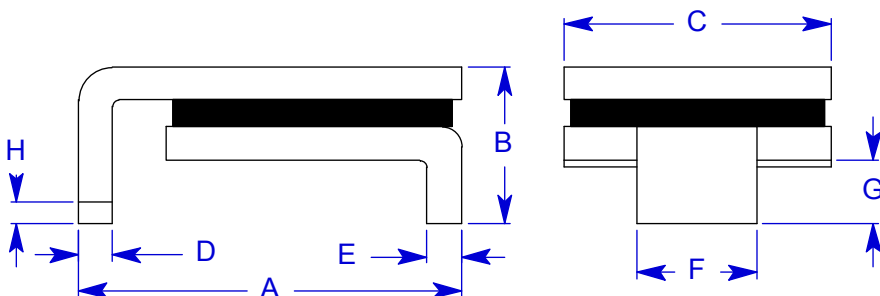
**12V<sub>DC</sub> / 60A**

**5V<sub>DC</sub> / 125A**

Marking:

 **250F** – Part Identification  
 – Manufacturer's Mark

 – Lot Identification



Notes:

1. All metal surfaces are tin plated.
2. Devices cannot be wave soldered.
3. Drawing not to scale.

**TABLE I. DIMENSIONS:**

|      | A       |         | B   |         | C       |         | D       |         | E       |         | F       |         | G       |         | H       |
|------|---------|---------|-----|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|      | MIN     | MAX     | MIN | MAX     | MIN     | MAX     | MIN     | MAX     | MIN     | MAX     | MIN     | MAX     | MIN     | MAX     | MIN     |
| mm:  | 8.00    | 9.40    | --  | 3.00    | 6.00    | 6.71    | 0.56    | 0.71    | 0.56    | 0.71    | 3.68    | 3.94    | 0.66    | 1.37    | 0.43    |
| in*: | (0.315) | (0.370) | --  | (0.118) | (0.236) | (0.264) | (0.022) | (0.028) | (0.022) | (0.028) | (0.145) | (0.155) | (0.026) | (0.054) | (0.017) |

**TABLE II. PERFORMANCE RATINGS:**

| CURRENT RATINGS** |      |              |      |              |      | TIME TO TRIP**            | RESISTANCE VALUES |       | TRIPPED-STATE POWER DISSIPATION** |
|-------------------|------|--------------|------|--------------|------|---------------------------|-------------------|-------|-----------------------------------|
| AMPS AT 0°C       |      | AMPS AT 20°C |      | AMPS AT 60°C |      | SECONDS AT 20°C, 8.0A MAX | OHMS AT 20°C      |       | WATTS AT 20°C                     |
| HOLD              | TRIP | HOLD         | TRIP | HOLD         | TRIP |                           | MIN               | MAX*  | MAX                               |
| 2.8               | 6.0  | 2.5          | 5.0  | 1.6          | 3.8  | 25.0                      | 0.035             | 0.085 | 1.9                               |

\*Maximum resistance is measured 1 hour after reflow.

\*\* Values specified were determined using PCB's with 0.070"X1.5 ounce copper traces.

Agency Recognition:  
Reference Document:  
Precedence:  
Effectivity:  
CAUTION:

UL, CSA, TÜV  
PS300  
This specification takes precedence over documents referenced herein.  
Reference documents shall be the issue in effect on the date of invitation for bid.  
Operation beyond the rated voltage or current may result in rupture, electrical arcing or flame.

### Materials Information

**ROHS Compliant**

Directive 2002/95/EC  
Compliant

**ELV Compliant**

Directive 2000/53/EC  
Compliant

**Pb-Free**



**Halogen Free\***



\* Halogen Free refers to: Br≤900ppm, Cl≤900ppm, Br+Cl≤1500ppm.

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