

## Specification Status: Released

### Electrical Rating

Voltage: 14Vdc MAX

Current: 100A MAX

### Terminal Material:

Brass H65

Thickness: 0.8mm

Tin plating thickness: 5µm

### Insulating Material:

White color PBT, Meets

UL94V-0 Requirements

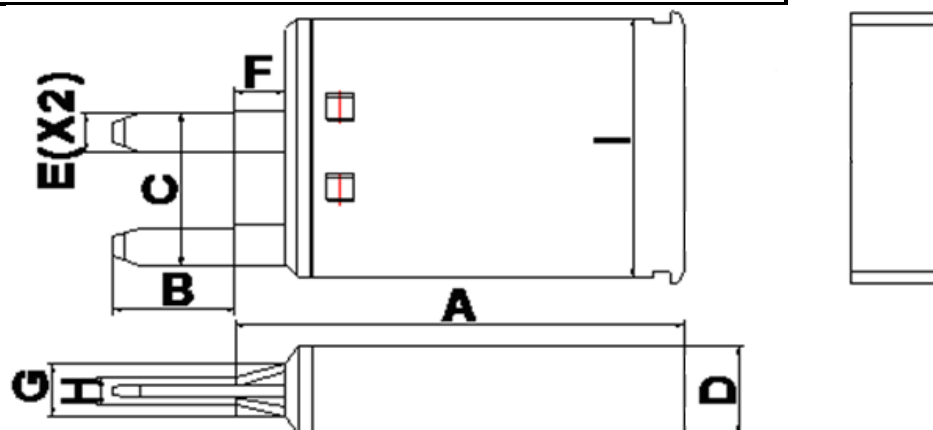
### Marking:

XX - Manufacturer's Mark

14VDC - Voltage Rating

BD280-1927-25 - Part ID

□□□□ - Lot Number



**TABLE I. DIMENSIONS:**

| mm:  | A     |       | B     |       | C     |       | D     |       | E    |      | F     |       |
|------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|-------|-------|
|      | MIN   | MAX   | MIN   | MAX   | MIN   | MAX   | MIN   | MAX   | MIN  | MAX  | MIN   | MAX   |
|      | 27.15 | 27.85 | 8.6   | 9.2   | 10.75 | 11.25 | 6.05  | 6.65  | 2.55 | 3.05 | 1.8   | 2.2   |
| in*: | 1.069 | 1.096 | 0.339 | 0.362 | 0.423 | 0.443 | 0.238 | 0.262 | 0.1  | 0.12 | 0.071 | 0.087 |

| G     |       | H     |       | I     |       |
|-------|-------|-------|-------|-------|-------|
| MIN   | MAX   | MIN   | MAX   | MIN   | MAX   |
| 3.5   | 3.9   | 1.7   | 2.3   | 19    | 19.4  |
| 0.138 | 0.154 | 0.067 | 0.091 | 0.748 | 0.764 |

\*Rounded off approximation

**TABLE II: PERFORMANCE RATINGS:**

| INITIAL RESISTANCE VALUES |                  | TIME TO TRIP AT 100AMPS | TRIP CURRENT AT Rmin | R1max ONE-HOUR POST-TRIP RESISTANCE | HOLD CURRENT AT R1max | TRIPPED-STATE POWER DISSIPATION |
|---------------------------|------------------|-------------------------|----------------------|-------------------------------------|-----------------------|---------------------------------|
| OHMS AT 25°C MIN          | OHMS AT 25°C MAX | SECONDS AT 25°C MAX     | AMPS AT 25°C MAX     | OHMS AT 25°C MAX                    | AMPS AT 25°C MIN      | WATTS AT 20°C, 14V TYP          |
| 0.0024                    | 0.0033           | 13                      | 32                   | 0.0042                              | 20                    | 6.0                             |

Reference Documents :

PS300, PS400 & SAE-J2685

Precedence:

This specification takes precedence over documents referenced herein.

Effectivity:

Reference documents shall be the issue in effect on the date of invitation or bid.

CAUTION:

Operation beyond the rated voltage or current may result in rupture, electrical arcing or flame  
When using a test probe to probe either of the two test points on the top of the device, care should be taken to avoid puncturing through the insulating material of the device, as this can result in shorting out the terminals which can cause electrical arcing or flame.

## Materials Information

ROHS Compliant

ELV Compliant

Pb-Free

Directive 2002/95/EC  
Compliant

Directive 2000/53/EC  
Compliant



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