

**Specification Status: Released**
**Electrical Rating**

 Voltage: 14Vdc MAX  
 Current: 100A MAX

**Terminal Material:**

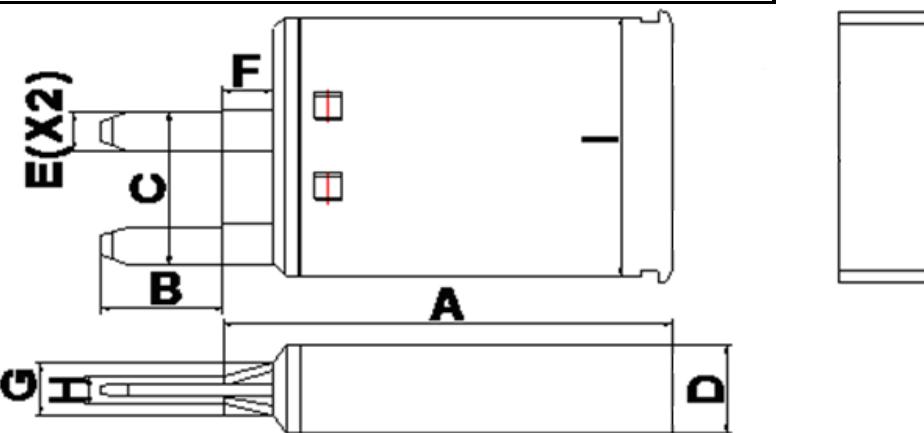
 Brass H65  
 Thickness: 0.8mm  
 Tin plating thickness: 5µm

**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   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 &amp; 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




**PolySwitch®**  
**PTC Devices**  
**Overcurrent Protection Device**

**PRODUCT:BD280-1927-25/16-W**

DOCUMENT : SCD26436  
REV LETTER: H  
REV DATE: JULY 26, 2016  
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