

Specification Status: Released

Electrical Rating

Voltage: 14 Vdc MAX
Current: 100 A MAX

Terminal Material:

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

Insulating Material:

Red color PBT, Meets
UL94V-0 Requirements

Marking:

⊗ - Manufacturer's
Mark 14VDC - Voltage
Rating
BD280-1130-10 - Part ID
□□□□ - Lot Number

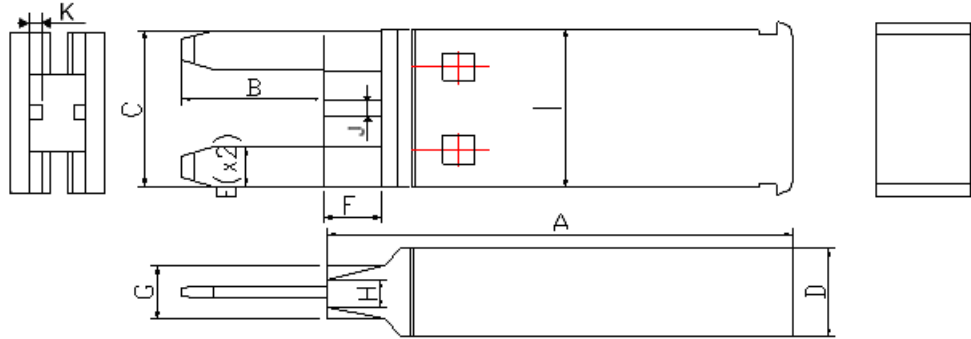


TABLE I. DIMENSIONS :

Mm :	A		B		C		D		E(x2)		F	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
	30.0	30.6	8.7	9.3	10.75	11.25	6.05	6.65	2.55	3.05	3.3	3.9
in*:	1.181	1.205	0.343	0.366	0.423	0.443	0.238	0.262	0.1	0.12	0.13	0.154

MIN	MAX	H		MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
		MIN	MAX								
3.4	4	1.7	2.3	10.9	11.5	0.8	1.2	0.6	1.0	0.134	0.157
		0.067	0.091	0.429	0.453	0.031	0.047	0.024	0.039		

*Rounded off approximation

TABLE II: PERFORMANCE RATINGS:

INITIAL RESISTANCE VALUES		TIME TO TRIP AT 40AMPS	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
0.0095	0.0135	8.0	13.0	0.0185	8.0	4.4

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



PolySwitch®
PTC Devices
Overcurrent Protection Device

PRODUCT: BD280-1130-10/16

DOCUMENT: SCD26433
REV LETTER: I
REV DATE: JULY 26, 2016
PAGE: 2 of 2

Information furnished is believed to be accurate and reliable. However, users should independently evaluate the suitability of and test each product selected for their own applications. Littelfuse products are not designed for, and shall not be used for, any purpose (including, without limitation, military, aerospace, medical, lifesaving, life-sustaining or nuclear facility applications, devices intended for surgical implant into the body, or any other application in which the failure or lack of desired operation of the product may result in personal injury, death, or property damage) other than those expressly set forth in applicable Littelfuse product documentation. Warranties granted by Littelfuse shall be deemed void for products used for any purpose not expressly set forth in applicable Littelfuse documentation. Littelfuse shall not be liable for any claims or damages arising out of products used in applications not expressly intended by Littelfuse as set forth in applicable Littelfuse documentation. The sale and use of Littelfuse products is subject to Littelfuse Terms and Conditions of Sale, unless otherwise agreed by Littelfuse.