

## Specification Status: Released

### Maximum Electrical Rating

 Voltage: 24V<sub>DC</sub>

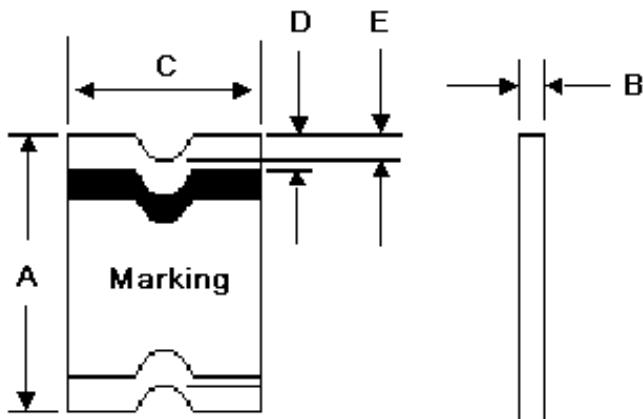
Short Circuit Current: 100A

## Notes:

1. All terminations are tin plated.
2. Drawing not to scale

## Marking:

5 X G


**TABLE I. DIMENSIONS:**

mm:	A		B		C		D		E	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
mm:	4.37	4.73	0.38	0.62	3.07	3.41	0.25	0.95	0.20	
in:	(0.172)	(0.186)	(0.015)	(0.025)	(0.121)	(0.134)	(0.010)	(0.040)	(0.008)	

**TABLE II. PERFORMANCE RATINGS:**

CURRENT RATINGS **						TIME TO TRIP **	RESISTANCE VALUES	TRIPPED-STATE POWER DISSIPATION**
AMPERES AT 0°C HOLD		AMPERES AT 20°C HOLD		AMPERES AT 60°C HOLD		SECONDS AT 20°C, 8A MAX		
0.55	1.10	0.50	1.00	0.35	0.70	0.15	0.15	1.00
							0.15	0.8

\* Maximum resistance is measured 1 hour after reflow.

\*\*Values Specified were determined using PCB's with 0.030"X1.5 ounce copper traces.

Agency Recognition: UL, CSA, TÜV

Reference Documents: PS300

Precedence: This specification takes precedence over documents referenced herein.

Effectivity: Reference documents shall be the issue in effect on the date of invitation for bid.

CAUTION: 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



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

**PRODUCT: miniSMDC050F**

DOCUMENT: SCD25063

REV LETTER: I

REV DATE: JULY 26,2016

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