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PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: RUSBF090

DOCUMENT: SCD25242
REV LETTER: G
REV DATE: JULY 26, 2016

Specification Status: Released

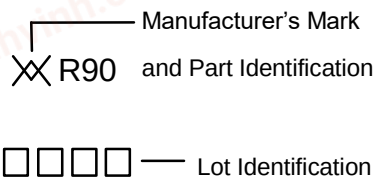
Electrical Rating

Voltage: 16V_{DC} MAX
Current: 40A MAX

Insulating Material:
Cured Flame Retardant Epoxy Polymer meets
UL 94-V-O Requirements

Lead Material:
24 AWG Tin Plated Copper Clad Steel

Marking:



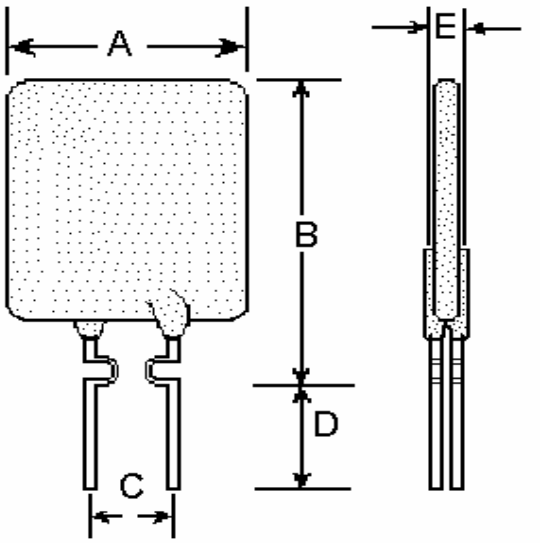


TABLE I. DIMENSIONS:

	A		B		C		D		E	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
mm:	--	7.4	--	12.2	4.3	5.8	7.6	--	--	3.1
in*:	--	(0.29)	--	(0.48)	(0.17)	(0.23)	(0.30)	--	--	(0.12)

TABLE II. PERFORMANCE RATINGS:

I HOLD RATED CURRENT	CURRENT RATINGS		INITIAL RESISTANCE VALUES			ONE HOUR POST-TRIP RESISTANCE STANDARD TRIP	TIME TO TRIP @ 8A	TRIPPED-STATE POWER DISSIPATION
AMPERS AT 20°C	AMPERES AT 20°C		OHMS AT 20°C			OHMS AT 20°C	SECONDS AT 20°C	WATTS AT 20°C
HOLD	HOLD	TRIP	MIN	TYP	MAX	MAX		
0.90	0.90	1.80	0.07	0.10	0.12	0.18	1.2	0.6

Recognitions: UL, CSA, TUV
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.

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