

PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: RUSBF185

DOCUMENT: SCD25248

REV LETTER: F

REV DATE: JULY 26, 2016

PAGE NO.: 1 OF 2

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

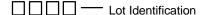
Lead Material:

24 AWG Tin Plated Copper Clad Steel

Marking:

Manufacturer's Mark

X R185 and Part Identification



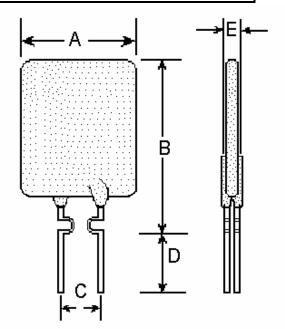


TABLE I. DIMENSIONS:

	Α		В		С		D		Е	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
mm:		10.2		15.7	4.3	5.8	7.6			3.0
in*:		(0.40)		(0.62)	(0.17)	(0.23)	(0.30)			(0.12)

^{*}Rounded off approximation

TABLE II. PERFORMANCE RATINGS:

I HOLD RATED CURRENT	RATED RATINGS		INITIAL RESISTANCE VALUES			ONE HOUR POST-TRIP RESISTANCE STANDARD TRIP	TIME TO TRIP @ 8A	TRIPPED- STATE POWER DISSIPATION
AMPERS	S AMPERES		OHMS			OHMS	SECONDS	WATTS
AT 20°C	AT 20°C		AT 20°C			AT 20°C	AT 20°C	AT 20°C
HOLD	HOLD	TRIP	MIN	TYP	MAX	MAX		
1.85	1.85	3.70	0.03	0.045	0.051	0.09	10	1.0

Agency 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 ELV Compliant Pb-Free Halogen Free*

Directive 2002/95/EC Compliant

Revised July 26,2016

Directive 2000/53/EC Compliant





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Specifications are subject to change without notice.

^{*} Halogen Free refers to: Br≤900ppm, Cl≤900ppm, Br+Cl≤1500ppm.



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