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# PolySwitch® PTC Devices

**Overcurrent Protection Device** 

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R

D

PRODUCT: RUEF250 DOCUMENT: SCD25174 REV LETTER: G

REV DATE: JULY 26,2016 PAGE NO.: 1 OF 2

# **Specification Status: Released**

Maximum Electrical Rating at 20°C 30 V<sub>DC</sub> /100 A<sub>DC</sub> 30 V<sub>AC</sub> /70 A<sub>RMS</sub>

**Insulating Material:** 

Cured, Flame Retardant Epoxy Polymer meets UL94 V-0 Requirements

### Lead Material:

24 AWG Tin Plated Copper Clad Steel

### Marking:

Manufacturer's Mark

 $\times$  U250 and Part Identification

Lot Identification

# TABLE I. DIMENSIONS:

	A		В		С		D		E	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
mm:		11.4		18.3	4.3	5.8	7.6			3.0
in*:		(0.45)		(0.72)	(0.17)	(0.23)	(0.30)			(0.12)

\*Rounded off approximation

## **TABLE II. PERFORMANCE RATINGS:**

I HOLD	CURRENT		TIME TO	RESISTANCE		ONE-HOUR	TRIPPED POWER					
	RATINGS		TRIP	RIP		POST-TRIP	DISSIP	ATION				
						RESISTANCE						
						STANDARD						
						TRIP						
AMPS	AMPS AT		SECONDS AT	OHMS		OHMS	WATTS AT	WATTS AT				
20°C	20°C		20°C,12.5A	AT 20°C		AT 20°C	20°C	20°C				
HOLD	HOLD	TRIP	MAX	MIN	MAX	MAX	NOMINAL	MAX				
2.50	2.50	5.00	10.3	0.02	0.04	0.07	1.20	1.45				

Agency Recognitions: Reference Documents: Precedence: Effectivity: CAUTION:

UL, CSA, TUV, CQC

PS300

This specification takes precedence over documents referenced herein. Reference documents shall be the issue in effect on the date of invitation for bid. Operation beyond the rated voltage or current may result in rupture, electrical arcing or flame.

## Materials Information ROHS Compliant











\* Halogen Free refers to: Br≤900ppm, Cl≤900ppm,Br+Cl≤1500ppm.



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