

PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: RXEF185K

DOCUMENT: SCD26468

REV LETTER: F

REV DATE: JULY 26, 2016

PAGE NO.: 1 OF 2

Specification Status: Released

Electrical Rating

Voltage: 72 V max (AC or DC) Current: 40 A max (AC or DC)

Insulating Material:

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

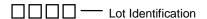
Lead Material:

20 AWG Tin Plated Copper

Marking:

Manufacturer's Mark

XX185 and Part Identification



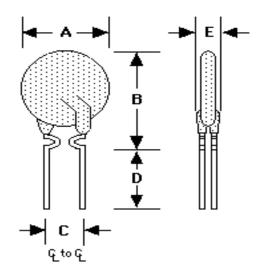


TABLE I. DIMENSIONS:

	Α		В		С		D		E	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
mm:		16.76		23.0	4.3	5.8	7.6			3.0
in*:		(0.660)		(0.91)	(0.17)	(0.23)	(0.30)	-		(0.12)

^{*}Rounded off approximation

TABLE II. PERFORMANCE RATINGS:

I HOLD	CURRENT		INITIAL		TIME TO TRIP	ONE HOUR	TRIPPED	- STATE			
RATED	RAT	NGS	RESIS	TANCE		POST-TRIP	POWER				
CURRENT				.UES		RESISTANCE	DISSIPATION				
						STANDARD					
						TRIP					
AMPERES	AMPERES		OHMS		SECONDS AT	OHMS	WATTS	WATTS			
AT 20°C	AT 20°C		AT 20°C		20°C, 9.25A	AT 20°C	AT 20°C	AT 20°C			
HOLD	HOLD	TRIP	MIN	MAX	MAX	MAX	NOMINAL	MAX			
1.85	1.85	3.70	0.08	0.12	12.6	0.19	2.1	3.04			

Agency Recognitions: UL, CSA, TUV, CQC

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

Directive 2000/53/EC Compliant





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



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own applications. life-sustaining or n operation of the pr Warranties grante not be liable for ar	Littelfuse products are not nuclear facility applications, oduct may result in person d by Littelfuse shall be dee ny claims or damages arisin	designed for, and shall not , devices intended for surgi al injury, death, or property med void for products used	be used for, any purposical implant into the body of damage) other than tho d for any purpose not exp pplications not expressly	e (including, without limit y, or any other application se expressly set forth in a pressly set forth in applica y intended by Littelfuse as	y of and test each product s ation, military, aerospace, n in which the failure or lack applicable Littelfuse product able Littelfuse documentation is set forth in applicable Litte wise agreed by Littelfuse.	nedical, lifesaving, of desired documentation. In. Littelfuse shall

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