

**Tyco / Electronics**  
**Raychem Circuit Protection**  
 308 Constitution Drive  
 Menlo Park, CA 94025-1164  
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**PolySwitch®**  
**PTC Devices**  
 Overcurrent Protection Device

**PRODUCT: RUEF185**

DOCUMENT: SCD 25173  
 PCN: D92264  
 REV LETTER: B  
 REV DATE: JUNE 24, 2004  
 PAGE NO.: 1 OF 1

**Specification Status: RELEASED**

**Maximum Electrical Rating at 20°C**

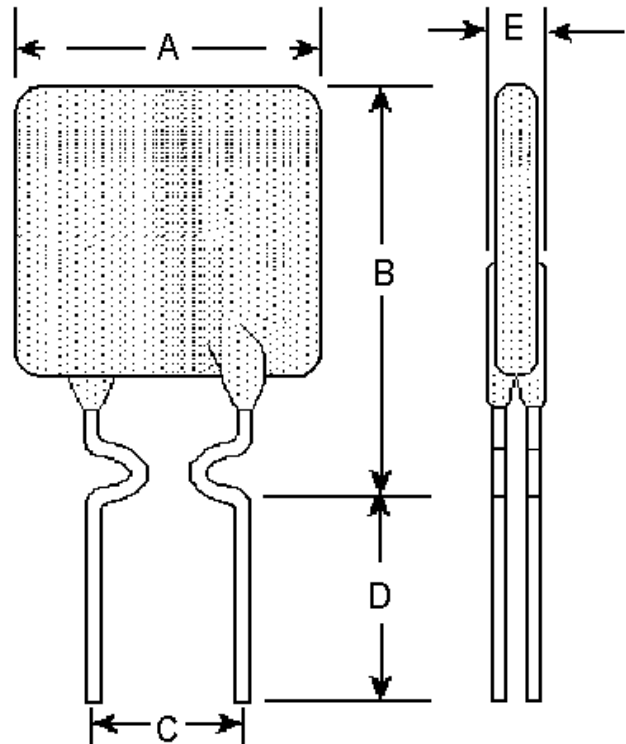
**30 V<sub>DC</sub> / 100 A<sub>DC</sub>**  
**30 V<sub>AC</sub> / 70 A<sub>RMS</sub>**

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

Lead Material:  
 24 AWG Tin Plated Copper Clad Steel

**Marking:**

- Raychem Logo and Voltage
- XX 30
- Part Identification
- UF185
- Lot Identification (can be on back)
- □ □ □



**TABLE I. DIMENSIONS:**

	A		B		C		D		E	
	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	CURRENT RATINGS		TIME TO TRIP	RESISTANCE		ONE-HOUR POST-TRIP RESISTANCE STANDARD TRIP	NOMINAL TRIPPED POWER DISSIPATION
AMPS 20°C HOLD	AMPS 20°C HOLD	AMPS 20°C TRIP	SECONDS AT 20°C, 9.25A MAX	OHMS AT 20°C MIN	OHMS AT 20°C MAX	OHMS AT 20°C MAX	WATTS AT 20°C
1.85	1.85	3.70	8.7	0.03	0.06	0.09	1.0

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.