

**Tyco / Electronics**  
**Raychem Circuit Protection**  
 308 Constitution Drive  
 Menlo Park, CA 94025-1164  
 Phone: 800-227-4856  
 Fax: 800-227-4866

**PolySwitch®**  
**PTC Devices**  
 Overcurrent Protection Device

**PRODUCT: RUE600**

DOCUMENT: SCD 22057  
 PCN: 000727  
 REV LETTER: L  
 REV DATE: JUNE 23, 2004  
 PAGE NO.: 1 OF 1

**Specification Status: RELEASED**

**Maximum Electrical Rating at 20°C**

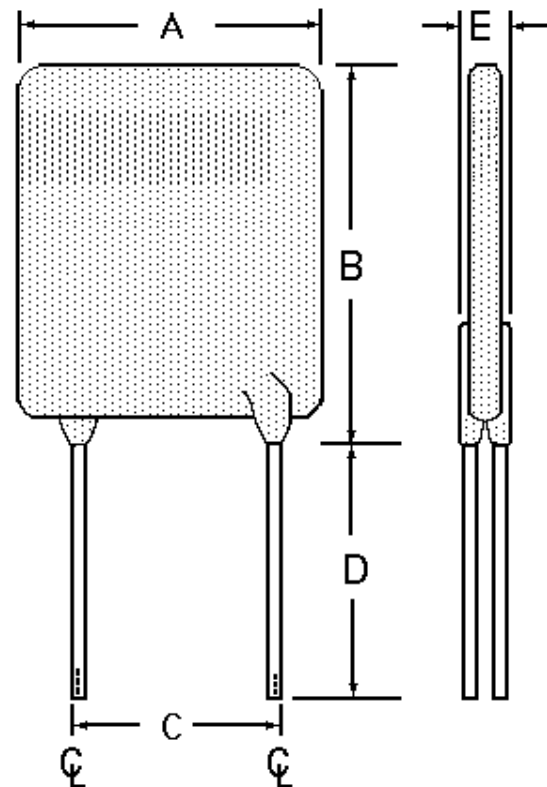
**30 V<sub>DC</sub> /100 A<sub>DC</sub>**  
**30 V<sub>AC</sub> /70 A<sub>RMS</sub>**

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

Lead Material:  
 20 AWG Tin/Lead Plated Copper

**Marking:**

Raychem Logo  
 and Voltage  
 XX 30  
 U600 — Part Identification  
 □□□□ — 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:  | --  | 16.5   | --  | 24.1   | 9.4    | 10.9   | 7.6    | --  | --  | 3.0    |
| in*: | --  | (0.65) | --  | (0.95) | (0.37) | (0.43) | (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 AT 20°C HOLD | TRIP  | SECONDS AT 20°C, 30.0A MAX | OHMS AT 20.0° C MIN | MAX  | OHMS AT 20°C MAX                            | WATTS AT 20°C                     |
| 6.00           | 6.00              | 12.00 | 16.0                       | 0.005               | 0.02 | 0.04                                        | 3.5                               |

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.