## Tyco / Electronics Raychem Circuit Protection

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# PolySwitch® PTC Devices

**Overcurrent Protection Device** 

**PRODUCT: RXEF025** 

DOCUMENT: SCD 25216

PCN: A85432 REV LETTER: C

REV DATE: APRIL 7, 2005

PAGE NO.: 1 OF 1

## **Specification Status: Released**

Electrical Rating
Voltage: 72V MAX
Current: 40A MAX

Insulating Material:

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

Lead Material:

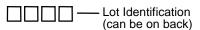
24 AWG Tin Plated Copper Clad Steel

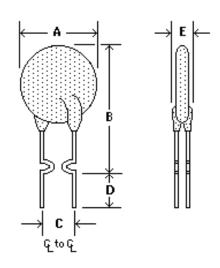
Marking:

Raychem Logo and Voltage

 $\times 72$ 

XF025 — Part Identification





#### **TABLE I. DIMENSIONS:**

| mm: |
|-----|
| :*- |

| Α   |        | В   |        | С      |        | D      |     | E      |        |
|-----|--------|-----|--------|--------|--------|--------|-----|--------|--------|
| MIN | MAX    | MIN | MAX    | MIN    | MAX    | MIN    | MAX | MIN    | MAX    |
|     | 7.4    |     | 12.7   | 4.3    | 5.8    | 7.6    |     | 2.0    | 3.0    |
| -   | (0.29) |     | (0.50) | (0.17) | (0.23) | (0.30) |     | (80.0) | (0.12) |

<sup>\*</sup>Rounded off approximation

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

| I HOLD  | CURF    | RENT | INITIAL    |      | TIME TO TRIP | ONE HOUR   | TRIPPED-    |
|---------|---------|------|------------|------|--------------|------------|-------------|
| RATED   | RATII   | NGS  | RESISTANCE |      |              | POST-TRIP  | STATE       |
| CURRENT |         |      | VALUES     |      |              | RESISTANCE | POWER       |
|         |         |      |            |      |              | STANDARD   | DISSIPATION |
|         |         |      |            |      |              | TRIP       |             |
| AMPERES | AMPERES |      | OHMS       |      | SECONDS AT   | OHMS       | WATTS       |
| AT 20°C | AT 20°C |      | AT 20°C    |      | 20°C, 1.25A  | AT 20°C    | AT 20°C     |
| HOLD    | HOLD    | TRIP | MIN        | MAX  | MAX          | MAX        | NOMINAL     |
| 0.25    | 0.25    | 0.50 | 1.25       | 1.95 | 2.5          | 3.00       | 0.45        |

Agency Recognitions: UL, CSA, TUV

Approved by UL as a current limiting impedance, per the 1996 NEC, Tables 11 (c) and 11 (b).

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

Directive 2002/95/EC Compliant Directive 2000/53/EC Compliant



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