

# PolySwitch® PTC Devices

**Overcurrent Protection Device** 

PRODUCT: RXEF020

DOCUMENT: SCD25215

**REV LETTER: I** 

**REV DATE: JULY 26, 2016** 

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### **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:** 

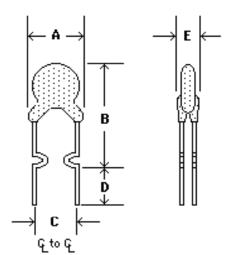
24 AWG Tin Plated Copper Clad Steel

Marking:

Manufacturer's Mark

X20 and Part Identification

Lot Identification



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

|      | Α   |        | В   |        | С      |        | D      |     | E   |        |
|------|-----|--------|-----|--------|--------|--------|--------|-----|-----|--------|
|      | MIN | MAX    | MIN | MAX    | MIN    | MAX    | MIN    | MAX | MIN | MAX    |
| mm:  |     | 7.4    |     | 11.7   | 4.3    | 5.8    | 7.6    | -   | -   | 3.0    |
| in*: |     | (0.29) | -   | (0.46) | (0.17) | (0.23) | (0.30) |     |     | (0.12) |

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

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

| I HOLD<br>RATED<br>CURRENT | CURRENT<br>RATINGS |      | INITIAL<br>RESISTANCE<br>VALUES |      | TIME TO TRIP | ONE HOUR POST-TRIP RESISTANCE STANDARD TRIP |         | TRIPPED- STATE<br>POWER DISSIPATION |  |
|----------------------------|--------------------|------|---------------------------------|------|--------------|---|---------|-------------------------------------|--|
| AMPERES                    | AMPERES            |      | OHMS                            |      | SECONDS AT   | OHMS  | WATTS   | WATTS                               |  |
| AT 20°C                    | AT 20°C            |      | AT 20°C                         |      | 20°C, 1.0A   | AT 20°C                                     | AT 20°C | AT 20°C                             |  |
| HOLD                       | HOLD               | TRIP | MIN                             | MAX  | MAX          | NOMINAL                                     | NOMINAL | MAX                                 |  |
| 0.20                       | 0.20               | 0.40 | 1.83                            | 2.75 | 2.2          | 4.40  | 0.41    | 0.64                                |  |

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



HF

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



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