

Tyco / Electronics
Raychem Circuit Protection
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PolySwitch®
PTC Devices
 Overcurrent Protection Device

PRODUCT: TS600-170F

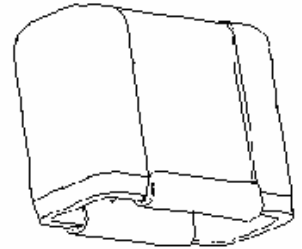
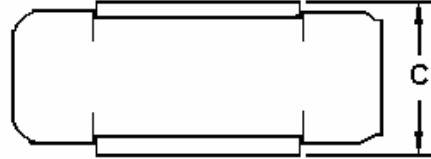
DOCUMENT: SCD 26004
 PCN: D83387-000
 REV LETTER: B
 REV DATE: FEBRUARY 15, 2006
 PAGE NO.: 1 OF 1

Specification Status: RELEASED

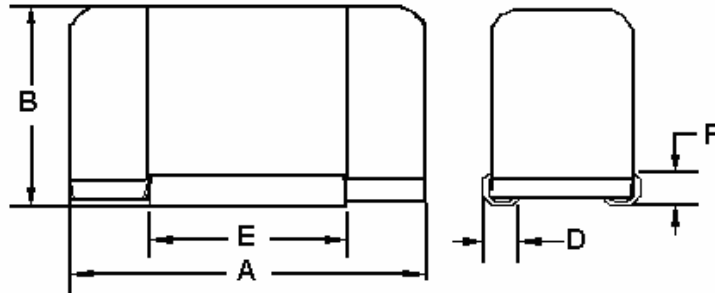
Max Electrical Rating at 20°C

Operating Voltage: **60V_{DC}**
 Interrupt Current: **3A_{RMS}**

Fault Voltage: **600V_{RMS}**



Terminal Material: Tin plated brass
Case Material: 1000 V Dielectric rating
Marking:



- Raychem Logo
- ⊗ T20 — Part Identification
- □ □ □ — Lot Identification

TABLE I. DIMENSIONS:

| | A | | B | | C | | D | | E | | F | |
|------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX |
| mm: | 18.29 | 19.43 | 11.56 | 12.32 | 7.24 | 8.26 | 1.65 | 2.41 | 9.91 | 10.41 | 1.52 | 2.29 |
| in*: | (0.720) | (0.765) | (0.455) | (0.485) | (0.285) | (0.325) | (0.065) | (0.095) | (0.390) | (0.410) | (0.060) | (0.090) |

*Rounded off approximation

TABLE II. PERFORMANCE RATINGS @ 20°C (unless otherwise noted):

| I HOLD (A) | | RESISTANCE (Ω) | | | | TIME TO TRIP (s) | OPERATING Temperature (°C) | | Power Dissipation |
|------------|-------|----------------|-------|----------------------|----------------------|------------------|----------------------------|-----|-------------------|
| 20°C | 70°C | R MIN | R MAX | R _{1Inst} * | R _{1MAX} ** | @ 1A TYP | MIN | MAX | Watts, Typical |
| 0.170 | 0.090 | 4.0 | 9.0 | 18.0 | 18.0 | 10 | -40 | 85 | 2.5 |

*Post Reflow Resistance, measured after one hour.

**Maximum device resistance at 20°C measured 1 hour post trip.

Agency Recognitions: CSA, UL Recognition file #E74889
 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

