

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

PRODUCT: LR4-380

DOCUMENT: SCD 23408
 PCN: 197063
 REV LETTER: H
 REV DATE: AUGUST 26, 2002
 PAGE NO.: 1 OF 1

Specification Status: Released

Electrical Rating

Voltage: 15Vdc MAX
Current: 100A MAX

Leads:
 Nickel: 0.125 mm nom.

Tape:
 Polyester

Marking:
 _____ Manufacturer's Mark
 XX E38 _____ Part Identification
 □□□□ _____ Lot Identification

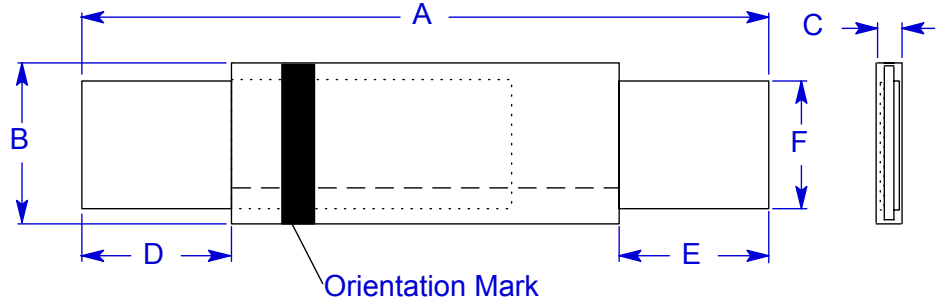


TABLE I. DIMENSIONS:

| | A | | B | | C | | D | | E | | F | | G | |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----|-----|
| | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX |
| mm: | 24.0 | 26.0 | 6.9 | 7.5 | 0.6 | 1.0 | 4.1 | 5.5 | 4.1 | 5.5 | 4.9 | 5.1 | | |
| in*: | (0.94) | (1.02) | (0.27) | (0.30) | (0.02) | (0.04) | (0.16) | (0.22) | (0.16) | (0.22) | (0.19) | (0.20) | | |

*Rounded off approximation

TABLE II. PERFORMANCE RATINGS:

| I HOLD | CURRENT TRIP LIMITS | | | | | | | | TIME TO TRIP | | REFERENCE RESISTANCE | | ONE-HOUR POST-TRIP RESISTANCE | | TRIPPED-STATE POWER DISSIPATION |
|--------|---------------------|------|--------------|------|--------------|------|--------------|------|-----------------------|-----|----------------------|-------|-------------------------------|-------|---------------------------------|
| | AMPS AT 0°C | | AMPS AT 20°C | | AMPS AT 60°C | | AMPS AT 80°C | | SECONDS AT 20°C, 19 A | | OHMS AT 20°C | | OHMS AT 20°C | | WATTS AT 20°C, 15V MAX |
| HOLD | HOLD | TRIP | HOLD | TRIP | HOLD | TRIP | HOLD | TRIP | TYP | MAX | MIN | MAX | MIN | MAX | |
| 3.8 | 4.4 | 9.7 | 3.8 | 8.3 | 2.8 | 6.1 | -- | -- | -- | 5 | 0.013 | 0.026 | 0.013 | 0.037 | 2.5 |

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.