

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

PRODUCT: VLR230-C36

DOCUMENT: SCD 25339
 PCN: A44339
 REV LETTER: A
 REV DATE: FEBRUARY 12, 2003
 PAGE NO.: 1 OF 1

Specification Status: Preliminary

Maximum Electrical Rating

Operating Voltage: 12Vdc
Interrupt Current: 100A

Leads: Nickel
 0.125 mm nominal thickness

Tape: Polyester
 18.5 mm nominal width

Marking:

- Manufacturer's Mark
- ⊗ R23 — Part Identification
- □ □ □ — Lot Identification

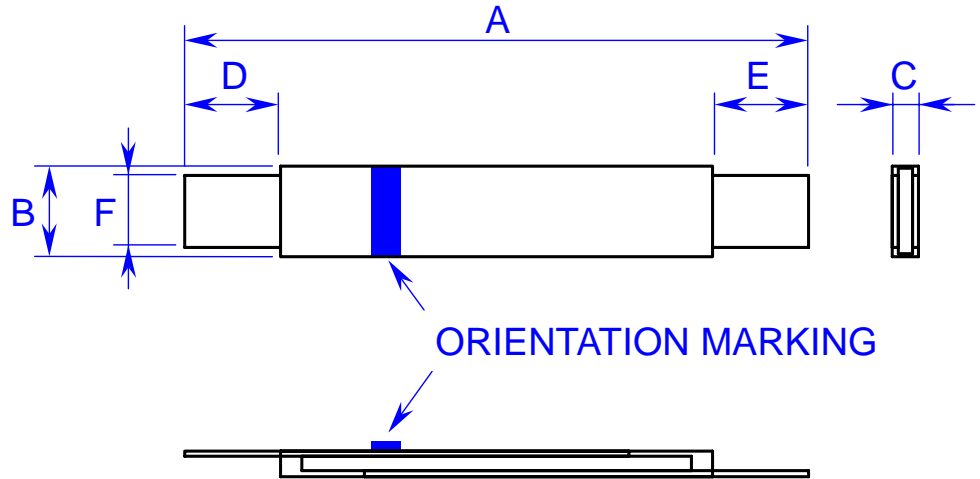


TABLE I. DIMENSIONS:

| | A | | B | | C | | D | | E | | F | |
|------|--------|--------|--------|--------|-----|--------|--------|--------|--------|--------|--------|--------|
| | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX |
| mm: | 25.3 | 27.7 | 3.5 | 3.9 | --- | 0.8 | 3.5 | 5.7 | 3.5 | 5.7 | 2.9 | 3.1 |
| in*: | (0.10) | (1.09) | (0.14) | (0.15) | | (0.03) | (0.14) | (0.22) | (0.14) | (0.22) | (0.11) | (0.12) |

*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 25°C | | AMPS AT 0°C | | AMPS AT 25°C | | AMPS AT 60°C | | AMPS AT --°C | | SECONDS AT 25°C, 10.0A | | OHMS AT 25°C | | | |
| HOLD | HOLD | TRIP | HOLD | TRIP | HOLD | TRIP | HOLD | TRIP | HOLD | TRIP | MIN | MAX | MIN | MAX | MIN | MAX |
| 2.3 | 3.4 | 6.6 | 2.3 | 5.0 | 0.9 | 2.3 | --- | --- | --- | 5 | 0.012 | 0.018 | 0.012 | 0.036 | 2.5 | |

Agency Recognitions: UL, TUV, CSA
 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.