Tyco / Electronics Raychem Circuit Protection

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PolySwitch® **PTC Devices**

Overcurrent Protection Device

PRODUCT: LR4-1300SSF

DOCUMENT: SCD 25627

PCN: F65944 **REV LETTER: C**

REV DATE: MAY 23, 2005 PAGE NO.: 1 OF 1

Specification Status: Released

Maximum Electrical Rating Operating Voltage: 20Vdc 100A **Interrupt Current:**

Chip Size: 9.5 X 50mm

Leads: Nickel 1/2H

0.3mm nominal thickness

Solder: Lead-free

Tape: Polyester (White)

51.5 mm nominal width

Marking: (Color: Green)

Manufacturer's Mark

X EX3 — Part Identification Lot Identification

* Dimension values on the drawing are for reference only.

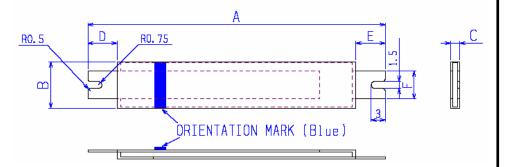


TABLE I. DIMENSIONS:

| | Α | | В | | С | | |) | Е | | F | |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | MIN | MAX |
| mm: | 61.5 | 66.5 | 9.4 | 10.0 | 0.9 | 1.3 | 5.0 | 7.5 | 5.0 | 7.5 | 5.9 | 6.1 |
| in*: | (2.42) | (2.62) | (0.37) | (0.39) | (0.04) | (0.05) | (0.20) | (0.30) | (0.20) | (0.30) | (0.23) | (0.24) |

^{*}Rounded off approximation

TABLE II. PERFORMANCE RATINGS: As measured in Mueller Kelvin Clips model BU-75K.

| I HOLD | CURRENT TRIP LIMITS | | | | | | | | | TO | REFERENCE | | ONE-HOUR | | TRIPPED- |
|--------|---------------------|------|---------|------|---------|------|---------|------|----------|-----|------------|--------|------------|--------|-------------|
| | | | | | | | | | | ΙP | RESISTANCE | | POST-TRIP | | STATE |
| | | | | | | | | | | | | | RESISTANCE | | POWER |
| | | | | | | | | | | | | | | | DISSIPATION |
| AMPS | AMPS | | AMPS | | AMPS | | AMPS | | SECONDS | | OHMS | | OHMS | | WATTS AT |
| 20°C | AT 0°C | | AT 20°C | | AT 60°C | | AT 70°C | | AT 20°C, | | AT 20°C | | AT 20°C | | 20°C, 20V |
| | | | | | | | | | 65.0A | | | | | | |
| HOLD | HOLD | TRIP | HOLD | TRIP | HOLD | TRIP | HOLD | TRIP | MIN | MAX | MIN | MAX | MIN | MAX | MAX |
| 13.0 | 14.5 | 23.5 | 13.0 | 21.2 | 9.5 | 15.7 | 8.6 | 14.4 | | 5 | 0.0035 | 0.0065 | 0.0035 | 0.0090 | 4.5 |

UL, TUV, CSA Agency Recognitions:

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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