

Specification Status: Released

Maximum Electrical Rating

Operating Voltage: 20Vdc
Interrupt Current: 100A

Chip Size: 8 x 33mm

Leads: Nickel 1/2H
0.3mm nominal thickness

Tape: Polyester (White)
35 mm nominal width

Solder: Lead-free

Marking (Color: Green) :

- Manufacturer's Mark
- XX E90 — Part Identification
- — Lot Identification

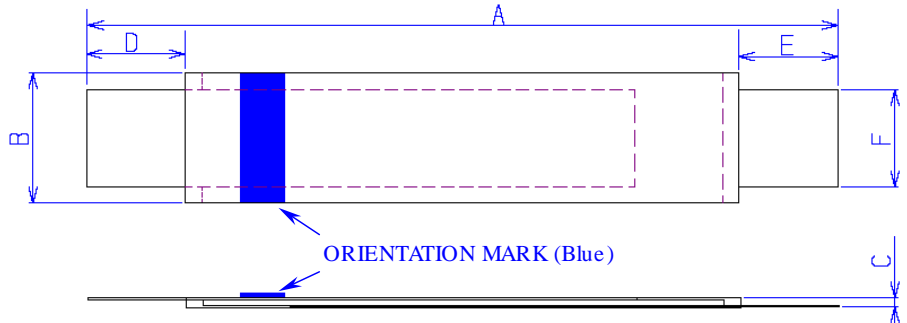


TABLE I. DIMENSIONS:

| | A | | B | | C | | D | | E | | F | |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX |
| Mm: | 45.4 | 47.6 | 7.9 | 8.5 | 0.9 | 1.3 | 4.6 | 6.2 | 4.6 | 6.2 | 5.9 | 6.1 |
| In*: | (1.79) | (1.87) | (0.31) | (0.33) | (0.04) | (0.05) | (0.18) | (0.24) | (0.18) | (0.24) | (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 | | | | | | | | | TIME TO TRIP | REFERENC E RESISTAN CE | ONE-HOUR POST-TRIP RESISTANC E | TRIPPED- STATE POWER DISSIPATION | | | | | |
|--------|---------------------|------|----------------|------|-----------------|------|-----------------|------|-----------------|--------------|---------------------------------|---|---|------------------------------|-----------------|-----|-----------------------|-----|
| | AMPS 20°C | | AMPS AT 0°C | | AMPS AT 20°C | | AMPS AT 60°C | | AMPS AT 70°C | | | | | SECONDS AT 20°C, 45.0A | OHMS AT 20°C | | WATTS AT 20°C, 20V | |
| | HOLD | TRIP | HOLD | TRIP | HOLD | TRIP | HOLD | TRIP | HOLD | | | | | | TRIP | MIN | | MAX |
| 9.0 | 10.0 | 18.7 | 9.0 | 16.7 | 6.2 | 11.6 | 5.5 | 10.3 | --- | 5 | 0.006 | 0.010 | 0.006 | 0.014 | 3.8 | | | |

Agency Recognitions: UL, TUV, CSA

Reference Documents: PS300

Precedence:

Effectivity:Reference

CAUTION:

This specification takes precedence over documents referenced herein. documents shall be the issue in effect on the date of invitation for bid.

Operation beyond the rated voltage or current may result in rupture, electrical arcing or flame.

MATERIALS INFORMATION:

ROHS Compliant

Directive 2002/95/EC
Compliant

ELV Compliant

Directive 2000/53/EC
Compliant

Pb-Free





Expertise Applied | Answers Delivered

PolySwitch®
PTC Devices
Overcurrent Protection Device

PRODUCT: LR4-900F

DOCUMENT: SCD25964
REV LETTER: D
REV DATE: JULY 26, 2016
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