

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

PRODUCT: LR4-900F

DOCUMENT: SCD 25964
 PCN:C11916
 REV LETTER: A
 REV DATE: DECEMBER 3, 2004
 PAGE NO.: 1 OF 1

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

Lot Marking Ink Color (Green)

Marking:

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

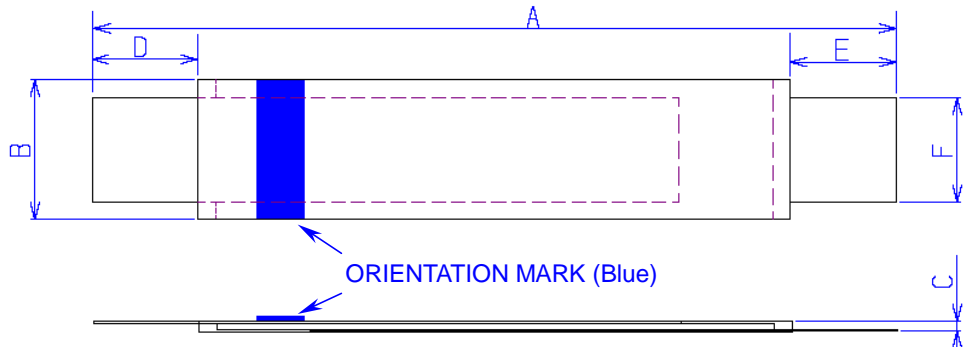


TABLE I. DIMENSIONS:

	A		B		C		D		E		F		G	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
Mm:	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 Muller Kelvin Clips Model BU-75K.

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 70°C		SECONDS AT 20°C, 45.0A					OHMS AT 20°C		WATTS AT 20°C, 20V
HOLD	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	MIN	MAX	MIN	MAX	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: 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.