



Expertise Applied | Answers Delivered

PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: LR4-1300SSF

DOCUMENT: SCD25627
REV LETTER: F
REV DATE: JULY 26, 2016
PAGE NO.: 1 OF 2

Specification Status: Released

Maximum Electrical Rating

Operating Voltage: 20Vdc

Interrupt Current: 100A

Chip Size: 9.5x50mm

Leads: Nickel 1/2H

0.3mm nominal thickness

Solder: Lead-free

Tape: Polyester (White)

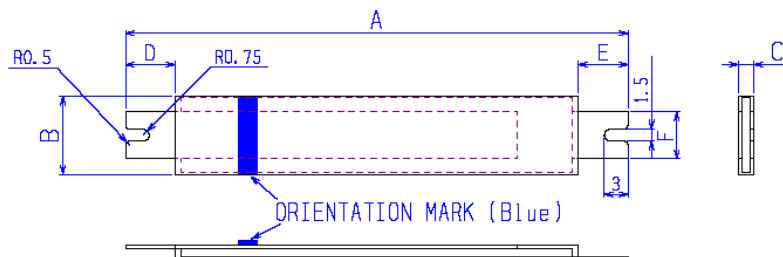
51.5 mm nominal width

Marking: (Color: Green)

— Manufacturer's Mark

XX EX3 — Part Identification

□□□□ — Lot Identification



* Dimension values on the drawing are for reference only.

TABLE I. DIMENSIONS:

	A		B		C		D		E		F	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	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								TIME TO TRIP		REFERENCE RESISTANCE		ONE-HOUR POST-TRIP RESISTANCE		TRIPPED- STATE POWER DISSIPATION
	AMPS 20°C HOLD	AMPS AT 0°C HOLD	AMPS AT 20°C TRIP	AMPS AT 60°C HOLD	AMPS AT 60°C TRIP	AMPS AT 70°C HOLD	AMPS AT 70°C TRIP	SECONDS AT 20°C, 50.0A MIN	SECONDS AT 20°C, 50.0A MAX	OHMS AT 20°C MIN	OHMS AT 20°C MAX	OHMS AT 20°C MIN	OHMS AT 20°C MAX		
	13.0	14.5	23.5	13.0	21.2	9.5	15.7	8.6	14.4	---	10	0.0035	0.0065	0.0035	

Agency Recognition:

UL, TUV, CSA

Reference Document:

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

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: LR4-1300SSF

DOCUMENT: SCD25627
REV LETTER: F
REV DATE: JULY 26, 2016
PAGE NO.: 2 OF 2

Information furnished is believed to be accurate and reliable. However, users should independently evaluate the suitability of and test each product selected for their own applications. Littelfuse products are not designed for, and shall not be used for, any purpose (including, without limitation, military, aerospace, medical, life-saving, life-sustaining or nuclear facility applications, devices intended for surgical implant into the body, or any other application in which the failure or lack of desired operation of the product may result in personal injury, death, or property damage) other than those expressly set forth in applicable Littelfuse product documentation. Warranties granted by Littelfuse shall be deemed void for products used for any purpose not expressly set forth in applicable Littelfuse documentation. Littelfuse shall not be liable for any claims or damages arising out of products used in applications not expressly intended by Littelfuse as set forth in applicable Littelfuse documentation. The sale and use of Littelfuse products is subject to Littelfuse Terms and Conditions of Sale, unless otherwise agreed by Littelfuse.