

PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: TRF600-160-RA

DOCUMENT: SCD26357 REV LETTER: E REV DATE: JULY 26, 2016

PAGE NO.: 1 OF 2

Specification Status: Released

Maximum Operating Voltage: 250VDC

Fault Ratings at 20°C:

 $250 \, V_{\text{RMS}}, \, \bar{3} A, \, 10$ applications $600 \, V_{\text{RMS}}, \, 60 A, \, 1$ application

Additional Info at 20°C:

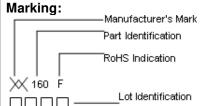
- Resistance matched: N/A
- Lightning withstand: GR-10891.0 kV, 10/1000μs, with 20-ohm load
- Helps equipment comply to Telcordia GR-1089

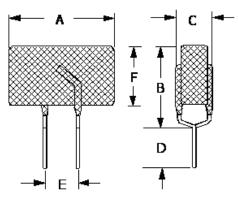
Lead Material:

22 AWG Sn-Plated Copper (0.64 mm [0.025"] nominal diameter)

External Coating Material:

Cured, flame retardant epoxy polymer, meeting UL94 V-0 requirements





CENTER TO CENTER

TABLE I. DIMENSIONS:

	Α		В		С		D		E	F
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	NOM	MAX
mm:		16.0		12.6		6.0	4.7	1	5.0	10.0
in*:		(0.63)		(0.50)		(0.24)	(0.19)		(0.20)	(0.39)

^{*} Rounded off approximation

TABLE II. PERFORMANCE RATINGS @ 20°C (as measured in Loranger P/N 02901-032-6218A):

•	ADEL III I ETII OTIIII/III OE ETI O (III III III III III III III III III										
	HOLD	TRIP	RESISTANCE (Ω)		TIME TO TRIP(Sec)		OPERATING		TRIPPED		
	CURRENT	CURRENT			@ 1A		TEMPERATURE		POWER DISSIPATION		
	(A)	(A)					(°C)		(W) @ 250V _{DC}		
			R MIN	R MAX	R _{1 MAX} *	TYP	MAX	MIN	MAX	TYP	MAX
	0.160	0.320	4.0	7.0	16.0	9.5	18.0	-40	85	1.7	2.2

^{*}Post Trip Resistance measured after one hour.

TABLE III. APPLICABLE PART DESCRIPTIONS:

PART DESCRIPTION	PACKAGING TYPE	NOTE
TRF600-160-RA	Bulk	N/A

Agency Recognitions: UL (File #E74889), CSA (File #1026908), TUV Reference Documents: Littelfuse PS300, Telcordia GR-1089

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

Directive 2000/53/EC

Compliant

Pb-Free



Directive 2002/95/EC Compliant



PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: TRF600-160-RA

DOCUMENT: SCD26357 REV LETTER: E

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 wind applications. Littelfuse products are not designed for, and shall not be used for, any purpose (including, without limitation, military, aerospace, medical, lifesaving fe-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 peration of the product may result in personal injury, death, or property damage) other than those expressly set forth in applicable Littelfuse product documentation. Varranties granted by Littelfuse shall be deemed void for products used for any purpose not expressly set forth in applicable Littelfuse documentation. Littelfuse shall ot 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 ocumentation. The sale and use of Littelfuse products is subject to Littelfuse Terms and Conditions of Sale, unless otherwise agreed by Littelfuse.	ſ,,