

Specification Status: Released

Maximum Operating Voltage: 250V_{DC}

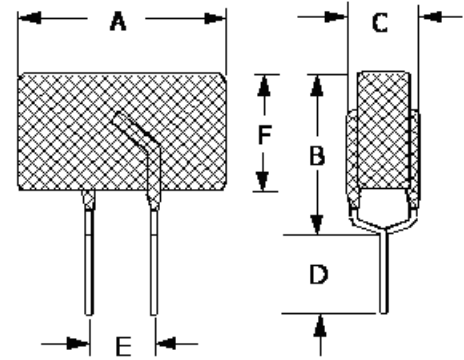
Fault Ratings at 20°C:
 250V_{RMS}, 3A, 10 applications
 600V_{RMS}, 60A, 1 application

Additional Info at 20°C:

- Resistance matched: N/A
- Lightning withstand: GR-10891.0 kV, 10/1000µs, with 13 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



Marking:

Manufacturer's Mark
 Part Identification
 RoHS Indication
 Lot Identification

XX 160 F
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TABLE I. DIMENSIONS:

	A		B		C		D		E	F
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	NOM	MAX
mm:	--	16.0	--	12.6	--	6.0	19.0	--	5.0	10.0
in*:	--	(0.63)	--	(0.50)	--	(0.24)	(0.75)	--	(0.20)	(0.39)

* Rounded off approximation

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

HOLD CURRENT (A)	TRIP CURRENT (A)	RESISTANCE (Ω)			TIME TO TRIP(Sec) @ 1A		OPERATING TEMPERATURE (°C)		TRIPPED POWER DISSIPATION (W) @ 250V _{DC}	
		R MIN	R MAX	R _{1 MAX} *	TYP	MAX	MIN	MAX	TYP	MAX
0.160	0.320	4.0	10.0	18.0	7.5	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
TRF600-160-1	Bulk	N/A

Agency Recognitions: UL (File #E74889), CSA (File #1026908), TUV
 Reference Documents: 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

Pb-Free

Directive 2002/95/EC Compliant

Directive 2000/53/EC Compliant



PolySwitch®
PTC Devices
Overcurrent Protection Device

PRODUCT: TRF600-160-1

DOCUMENT: SCD26322
REV LETTER: E
REV DATE: JULY 26, 2016
PAGE NO.: 2 OF 2

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