

PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: TRF600-160-1

DOCUMENT: SCD26322 REV LETTER: E

REV DATE: JULY 26, 2016 PAGE NO.: 1 OF 2

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:

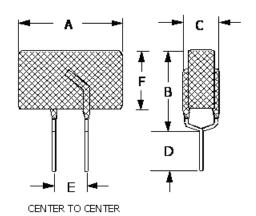
- Resistance matched: N/A
- Lightning withstand: GR-10891.0 kV, 10/1000µs, with 13 ohm load
- Helps equipment comply to Telcordia GR-1089

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:

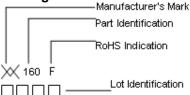


TABLE I. DIMENSIONS:

	Α		В		С		D		E	F
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	NOM	MAX
mm:		16.0		12.6		6.0	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):

1	17.222 III 1 21.11 37.111 21 32 11 11 12 3 2 2 3 4 4 5 11 2 2 4 11 2 2 4 11 2 2 4 11 2 2 4 11 2 2 4 11 2 2 4 1										
	HOLD	TRIP	RESISTANCE (Ω)		TIME TO TRIP(Sec)		OPERATING		TRIPPED		
	CURRENT	CURRENT			@ 1A		TEMPERATURE		POWER DISSIPATION		
	(A)	(A)				(°C)		C)	(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

Pk

Directive 2002/95/EC Compliant

Directive 2000/53/EC Compliant



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