

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

PRODUCT: TAC170-09

DOCUMENT: SCD 23744
 PCN: 843693
 REV LETTER: F
 REV DATE: SEPTEMBER 27, 2002
 PAGE NO.: 1 OF 1

Specification Status: Released

Electrical Rating

Voltage: 15V MAX

Current: 50A MAX

Lead:

Nickel Plated Stainless
 Steel: 0.15mm nom

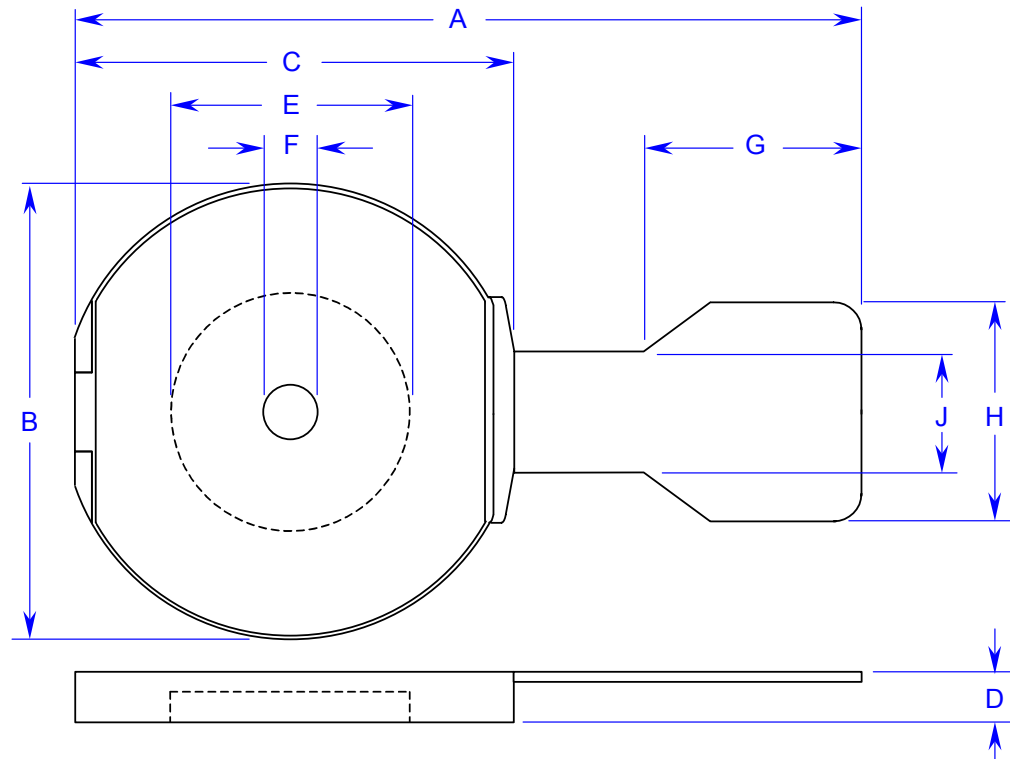


TABLE I. DIMENSIONS:

	A		B		C		D		E		F		G	
	MIN	MAX	MIN	MAX	MIN	MAX	MAX	MIN	MAX	MIN	MAX	TYP		
mm:	16.5	17.5	9.5	10.5	9.4	10.0	0.9	5.0	5.2	0.8	1.2	5.0		
in*:	(0.65)	(0.69)	(0.37)	(0.42)	(0.37)	(0.40)	(0.036)	(0.19)	(0.21)	(0.03)	(0.05)	(0.20)		

	H		J	K	L	M	N	P		
	MIN	MAX	TYP							
mm:	4.8	5.2	3.0	--	--	--	--	--	--	--
in*:	(0.18)	(0.21)	(0.12)	--	--	--	--	--	--	--

*Rounded off approximation

TABLE II. PERFORMANCE RATINGS:

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 TRIP		AMPS AT 20°C HOLD TRIP		AMPS AT 60°C HOLD TRIP		AMPS AT 80°C HOLD TRIP		SECONDS AT 20°C, 8.5 A TYP MAX		OHMS AT 20°C MIN MAX		OHMS AT 20°C TYP MAX		WATTS AT 20°C, 15V TYP MAX	
1.7	2.0	4.3	1.0	3.7	1.3	2.7	--	--	1.3	5	0.05	0.098	0.11	0.14	1.3	2.0

Reference Documents:

Precedence:

Effectivity:

CAUTION:

PS300

This specification takes precedence over documents referenced herein.

Reference documents shall be the issue in effect on the date of invitation for bid.

Operation beyond the rated voltage or current may result in rupture, electrical arcing or flame.