

Tyco Electronics
Raychem Circuit Protection
 308 Constitution Drive
 Menlo Park, CA 94025
 Phone: 800-227-4856
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PolySwitch®
PTC Devices
 Overcurrent Protection Device

PRODUCT: SRP175S
 DOCUMENT: SCD 22677
 PCN: 923937
 REV LETTER: G
 REV DATE: JUNE 12, 2001
 PAGE NO.: 1 OF 1

Specification Status - Released

Electrical Rating

Voltage: 15V MAX
Current: 100A MAX

Leads:
 Nickel: 0.125 mm nom

Tape:
 Polyester

Marking:
 _____ Manufacturer's Mark
 ☒ 175 _____ Part Identification
 □ □ □ □ _____ Lot Identification

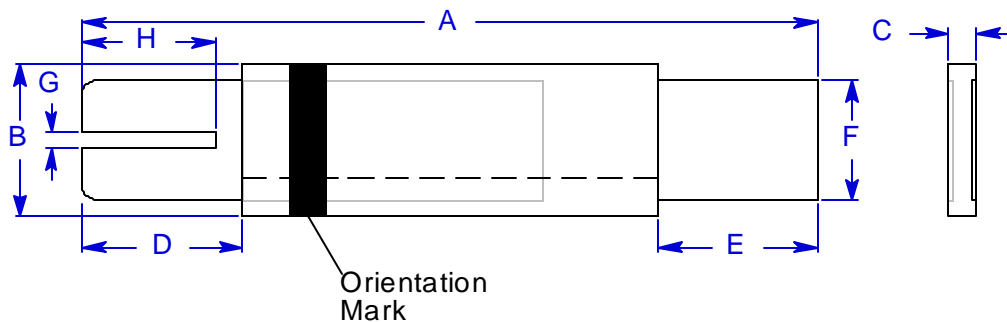


TABLE I. DIMENSIONS:

	A		B		C		D		E		F		G	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
mm:	20.9	23.1	4.9	5.2	0.6	1.0	4.1	5.5	4.1	5.5	3.9	4.1	0.3	0.7
in*:	(0.82)	(0.91)	(0.19)	(0.20)	(0.02)	(0.04)	(0.16)	(0.22)	(0.16)	(0.22)	(0.15)	(0.16)	(0.01)	(0.03)

	H		J		K		L		M		N		P	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
mm:	3.8	4.2	--	--	--	--	--	--	--	--	--	--	--	--
in*:	(0.15)	(0.17)	--	--	--	--	--	--	--	--	--	--	--	--

*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 AT 0°C		AMPS AT 20°C		AMPS AT 60°C		AMPS AT 80°C			OHMS AT 20°C		OHMS AT 20°C		
	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP		MIN	MAX	MIN	MAX	
1.75	2.0	4.4	1.75	3.8	1.2	2.7	--	--	5	0.050	0.090	0.050	0.120	1.5

Reference Documents: 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.