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## PolySwitch® PTC Devices

**Overcurrent Protection Device** 

Raychem Circuit Protection Products

PRODUCT: SRP175SF

DOCUMENT: SCD26024

PCN: C29571 REV LETTER: B

REV DATE: JUNE 21, 2007

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## **Specification Status: Released**

Electrical Rating Voltage: 15V MAX Current: 100A MAX

Chip Size: 5 X 12mm

Leads: Nickel 1/4H

0.125mm nominal thickness

Tape: Polyester (White) 13mm Width

Solder: Lead-free

Lot Marking Ink Color (Green)

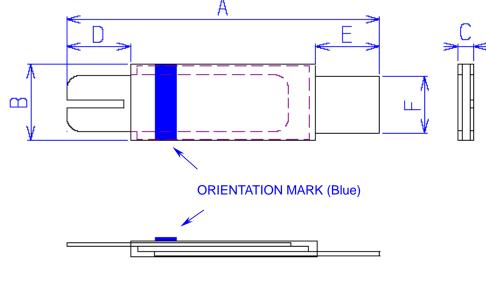
Lot Marking Ink Color (Ch

Marking:

— Manufacturer's Mark

× 175 — Part Identification

Lot Identification



## **ABLE I. DIMENSIONS:**

	Α		В		C			)	E		F	
	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
In*:	(0.82)	(0.91)	(0.19)	(0.21)	(0.02)	(0.04)	(0.16)	(0.22)	(0.16)	(0.22)	(0.15)	(0.16)

<sup>\*</sup>Rounded off approximation

TABLE II. PERFORMANCE RATINGS: As measured in Mueller Kelvin Clips model BU-75K.

lſ	I HOLD	CURRENT TRIP LIMITS									E TO	REFE	RENCE	ONE-	HOUR	TRIP	PED-
											RIP	RESIS	TANCE	POST-TRIP		STATE	
														RESISTANCE		POWER	
																DISSIP	ATION
Н	AMPS	AMPS		AMPS AMP		PS	AMPS		SECON	NDS AT	S AT OHMS		OHMS		WATTS AT		
Н	20°C	AT 0°C		AT 20°C		AT 60°C		AT°C		20°C,8.75A		AT 20°C		AT 20°C		20°C, 15V	
IL	HOLD	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	TYP	MAX	MIN	MAX	MIN	MAX	TYP	MAX
IJ	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

Agency Recognitions: UL, TUV, CSA 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

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