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PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: miniSMDC050F

DOCUMENT: SCD25063
REV LETTER: I
REV DATE: JULY 26,2016

Specification Status: Released

Maximum Electrical Rating

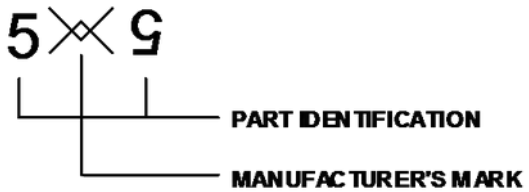
Voltage: $24V_{DC}$

Short Circuit Current: 100A

Notes:

1. All terminations are tin plated.
2. Drawing not to scale

Marking:



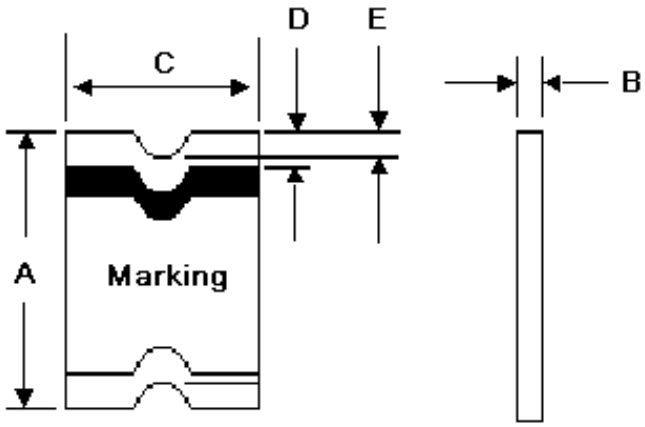


TABLE I. DIMENSIONS:

	A		B		C		D		E
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
mm:	4.37	4.73	0.38	0.62	3.07	3.41	0.25	0.95	0.20
in:	(0.172)	(0.186)	(0.015)	(0.025)	(0.121)	(0.134)	(0.010)	(0.040)	(0.008)

TABLE II. PERFORMANCE RATINGS:

CURRENT RATINGS **						TIME TO TRIP **	RESISTANCE VALUES		TRIPPED-STATE POWER DISSIPATION**
AMPERES AT 0°C		AMPERES AT 20°C		AMPERES AT 60°C		SECONDS AT 20°C, 8A	OHMS AT 20°C		WATTS AT 20°C, 24V
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	MAX	MIN	MAX*	MAX
0.55	1.10	0.50	1.00	0.35	0.70	0.15	0.15	1.00	0.8

* Maximum resistance is measured 1 hour after reflow.
**Values Specified were determined using PCB's with 0.030"X1.5 ounce copper traces.

Agency Recognition:	UL, CSA, TÜV
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.

Materials Information

ROHS Compliant
Directive 2002/95/EC Compliant

ELV Compliant
Directive 2000/53/EC Compliant

Pb-Free

Halogen Free*
HF

* Halogen Free refers to: Br≤900ppm, Cl≤900ppm, Br+Cl≤1500ppm

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Specifications are subject to change without notice.
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