

**Specification Status: Released**

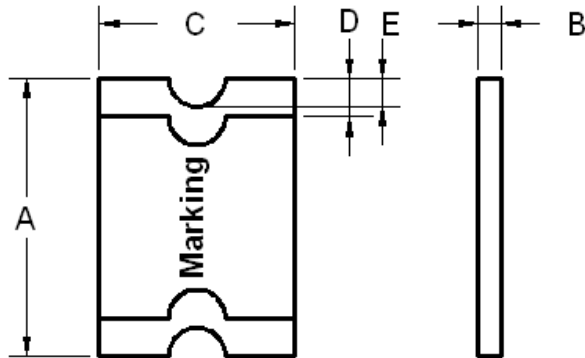
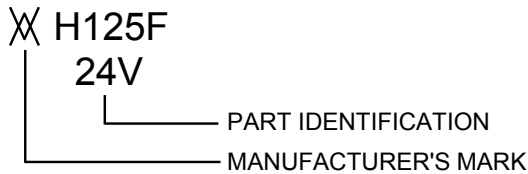
**Maximum Electrical Rating**

**Voltage: 24V<sub>DC</sub>**  
**Short Circuit Current: 20A**

**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:	7.30	7.70	0.90	1.40	4.90	5.30	0.95	1.45	0.35
in:	(0.29)	(0.30)	(0.04)	(0.06)	(0.19)	(0.21)	(0.04)	(0.06)	(0.01)

**TABLE II. PERFORMANCE RATINGS:**

CURRENT RATINGS								TIME TO TRIP	RESISTANCE VALUES	TRIPPED-STATE POWER DISSIPATION	
AMPERES AT 0°C		AMPERES AT 25°C		AMPERES AT 60°C		AMPERES AT 85°C		SECONDS AT 25°C, 8.0A	OHMS AT 25°C		WATTS AT 25°C, 24V
HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	HOLD	TRIP	MAX	MIN	MAX*	MAX
1.50	3.00	1.25	2.50	1.00	2.00	0.80	1.60	0.5	0.08	0.24	2.0

\* Maximum resistance is measured 1 hour after reflow.

\*\* Values Specified were determined using PCB's with 0.060"X1.0 ounce copper traces.

Agency Recognition: UL  
Reference Document: 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\***



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



**PolySwitch®**  
**PTC Devices**  
**Overcurrent Protection Device**

**PRODUCT: SMDCH125F/24**

DOCUMENT: SCD28947  
REV LETTER: A  
REV DATE: JULY 26, 2016  
PAGE NO.: 2 OF 2

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