

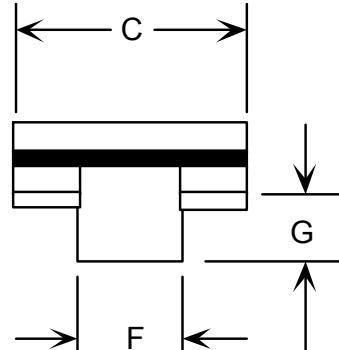
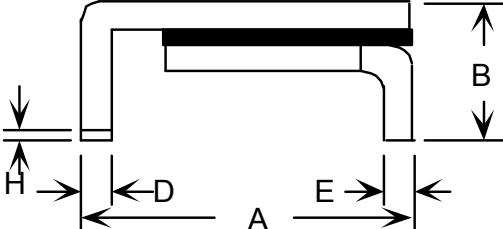
**Specification Status: Released**
**Maximum Electrical Rating**

Operating Voltage / Interrupt Current

 16V<sub>DC</sub> / 50A

Marking:


 H12 – Part Identification  
 – Manufacturer's Mark  

 □□□□ – Lot Identification

**Notes:**

1. All metal surfaces are tin plated.
2. Drawing not to scale.

**TABLE I. DIMENSIONS:**

mm:	A		B		C		D		E		F		G		H
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
6.73	7.98	--	3.00	4.8	5.44	0.56	0.71	0.56	0.71	2.16	2.41	0.66	1.37	0.43	
in*:	(0.265)	(0.314)	--	(0.118)	(0.19)	(0.214)	(0.022)	(0.028)	(0.022)	(0.028)	(0.085)	(0.095)	(0.026)	(0.054)	(0.017)

**TABLE II. PERFORMANCE RATINGS:**

CURRENT RATINGS**						TIME TO TRIP**	RESISTANCE VALUES		TRIPPED-STATE POWER DISSIPATION**		
AMPS AT 0°C HOLD		AMPS AT 20°C HOLD		AMPS AT 60°C HOLD		SECONDS AT 20°C, 8.0A MAX	OHMS AT 20°C MIN MAX*		WATTS AT 20°C MAX		
1.58	3.29	1.20	2.3	0.83	2.52	2.0	0.150	0.340	2.0		

\* Maximum resistance is measured 1 hour after reflow.

\*\* Values specified were determined using PCB's with 0.070"X1.5 ounce copper traces.

Agency Recognition:

UL, CSA, TÜV

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: SMDH120**

DOCUMENT: SCD25652  
REV LETTER: G  
REV DATE: JULY 26, 2016  
PAGE NO.: 2 OF 2

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