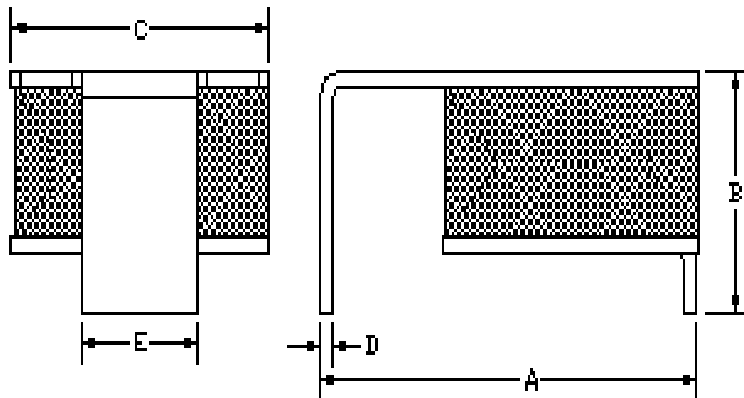





**Specification Status: RELEASED**
**Max Electrical Rating at 20°C**

 Operating Voltage: **80V<sub>DC</sub>**

 Fault Voltage: **250V<sub>RMS</sub>**

 Interrupt Current: **3A<sub>RMS</sub>**
**Terminal Material:** Tin plated brass

**Marking:**

-  Manufacturer's Mark
-  Part Identification
-  Lot Identification

**TABLE I. DIMENSIONS:**

	A		B		C		D		E	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
mm*:	6.7	7.9	2.7	3.7	4.8	5.3	0.2	0.4	2.5	3.1
in:	(0.265)	(0.310)	(0.110)	(0.145)	(0.190)	(0.210)	(0.008)	(0.015)	(0.100)	(0.120)

\*Rounded off approximation

**TABLE II. PERFORMANCE RATINGS @ 20°C (unless otherwise noted):**

IHOLD (A)		RESISTANCE (Ohms)			TIME TO TRIP (s) @ 1A Seconds, Typical	OPERATING Temperature (°C)		Tripped State Power Dissipation (W) Typical
20°C	70°C	R MIN	R MAX	R <sub>1</sub> MAX*		MIN	MAX	
0.080	0.044	5.0	11.0	20.0	0.8	-40	85	1.2

\* Maximum device resistance at 20°C measured 1 hour post trip or 24 hours post reflow.

**Additional Rating @ 20°C**

 Lightning Withstand: Per Telcordia GR1089 Intrabuilding  
 2 hits 2/10µsec, 1500V, 100A

Storage Temperature: -40°C to 85°C

Agency Recognition: UL, CSA, TUV

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**


**PolySwitch<sup>®</sup>**  
**PTC Devices**  
Overcurrent Protection Device

**PRODUCT: TSL250-080F**

DOCUMENT: SCD26290  
REV LETTER: C  
REV DATE: JULY 26, 2016  
PAGE NO.: 2 OF 2

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