

# PolySwitch® PTC Devices

**Overcurrent Protection Device** 

PRODUCT: RKEF500

DOCUMENT: SCD27342

REV LETTER: E

**REV DATE: JULY 26, 2016** 

PAGE NO.: 1 OF 2

## **Specification Status: Released**

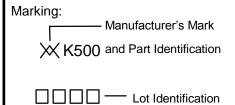
Electrical Rating
Voltage: 60V MAX
Current: 40A MAX

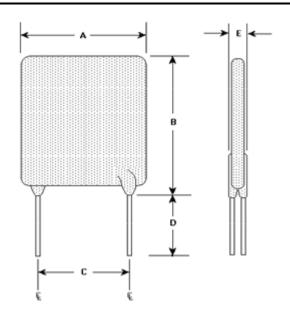
**Insulating Material:** 

**Cured, Flame Retardant Epoxy Polymer** 

Lead Material:

20 AWG Tin Plated Copper





#### **TABLE I. DIMENSIONS:**

	Α		В		С		D		E	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
mm:		24.1		29.0	9.4	10.9	7.6			3.0
in*:		(0.95)		(1.14)	(0.37)	(0.43)	(0.3)			(0.12)

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

#### TABLE II. PERFORMANCE RATINGS:

I HOLD	I HOLD CURRENT		INITIAL		TIME TO TRIP	ONE HOUR	TRIPPED-
RATED	RATED RATINGS		RESISTANCE			POST-TRIP	STATE POWER
CURRENT			VALUES			RESISTANCE	DISSIPATION
					STANDARD TRIP		
AMPERES	AMPERES AMPERES		OHMS		SECONDS AT	OHMS	WATTS
AT 20°C	AT 20°C AT 20°C		AT 20°C		20°C, 25A	AT 20°C	AT 20°C
HOLD	HOLD	TRIP	MIN	MAX	MAX	MAX	NOMINAL
5.0	5.0	10.0	0.012	0.030	28	0.05	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.

**Materials Information** 

ROHS Compliant ELV Compliant

Pb-Free

Halogen Free\*

Directive 2002/95/EC Compliant

Revised July 26, 2016

Directive 2000/53/EC Compliant





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Specifications are subject to change without notice.

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



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