

PolySwitch® PTC Devices

Overcurrent Protection Device

PRODUCT: RKEF375

DOCUMENT: SCD27189

REV LETTER: E

REV DATE: JULY 26, 2016

PAGE NO.: 1 OF 2

Specification Status: Released

Electrical Rating

Voltage: 60Vdc MAX Current: 40A MAX

Insulating Material:

Cured, Flame Retardant Epoxy Polymer

Lead Material:

20 AWG Tin Plated Copper

Marking:

Manufacturer's Mark

K375 and Part Identification

□□□□ — Lot Identification

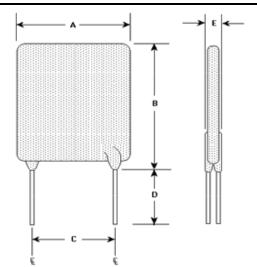


TABLE I. DIMENSIONS:

| | Α | | В | | С | | D | | E | |
|------|-----|--------|-----|--------|--------|--------|-------|-----|-----|--------|
| | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX | MIN | MAX |
| mm: | | 16.5 | | 25.2 | 9.4 | 10.9 | 7.6 | | | 3.0 |
| in*: | | (0.65) | | (0.99) | (0.37) | (0.43) | (0.3) | | | (0.12) |

^{*}Rounded off approximation

TABLE II. PERFORMANCE RATINGS:

| | | RENT NGS | INITIAL RESISTANCE VALUES | | TIME TO TRIP | ONE HOUR POST-TRIP RESISTANCE STANDARD TRIP | TRIPPED- STATE POWER DISSIPATION |
|---------|-----------------|-------------|---------------------------------|------|--------------|---|--|
| AMPERES | AMPERES AMPERES | | OHMS | | SECONDS AT | OHMS | WATTS |
| AT 20°C | AT 20°C AT 20°C | | AT 20°C | | 20°C, 18.75A | AT 20°C | AT 20°C |
| HOLD | HOLD | TRIP | MIN | MAX | MAX | MAX | NOMINAL |
| 3.75 | 3.75 | 7.5 | 0.017 | 0.04 | 22 | 0.06 | 3.4 |

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 Directive 2000/53/EC Compliant





^{*} Halogen Free refers to: Br \leq 900ppm, Cl \leq 900ppm, Br+Cl \leq 1500ppm.



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