Features

- Formerly a KOMATSULITE™ product
- Miniature Thermal Cutoff (TCO) device
- High current type
- Optimal corrosion resistant properties
- Smaller body size: L5.4 x W3.2 x H0.89 mm
- Overtemperature and overcurrent protection for lithium polymer and prismatic cells
- Wide range of temperature options

Applications

Battery cell protection for:

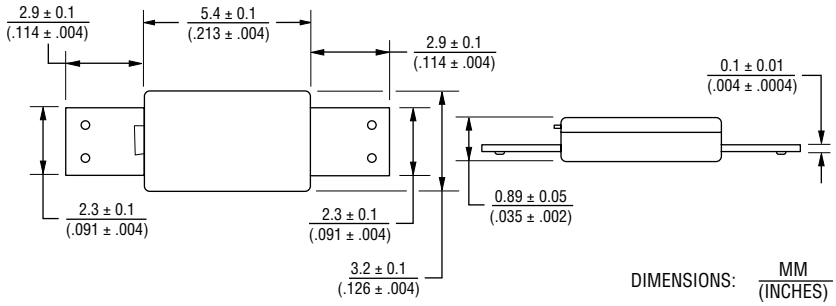
- Notebook PCs
- Tablet PCs
- Smart phones
- Mobile phones

KCA Series A-Type Breaker (Thermal Cutoff Device)

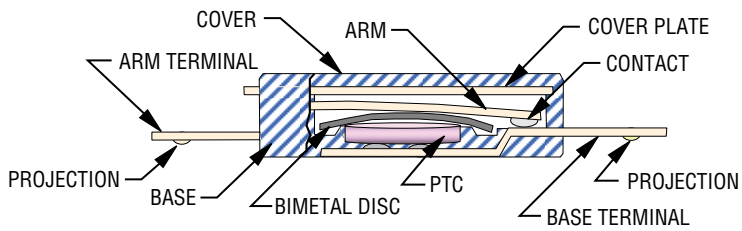
Ratings

Specification	Model			
	KCA72AB0	KCA77AB0	KCA82AB0	KCA85AB0
Trip Temperature	72 °C ± 5 °C	77 °C ± 5 °C	82 °C ± 5 °C	85 °C ± 5 °C
Reset Temperature	40 °C min.			
Contact Rating	DC12V / 25 A, 6000 cycles			
Maximum Breaking Current	DC5V / 60 A, 100 cycles			
Maximum Voltage	DC28V / 25 A, 100 cycles			
Minimum Holding Voltage	2 V @ 25 °C for 1 minute			
Maximum Leakage Current	200 mA max. @ 25 °C			
Resistance	5 milliohms max.			

Product Dimensions



Product Structure



AVAILABLE WITH AND WITHOUT PROJECTIONS.

Agency Recognition

Description	
UL, cUL	File Number: E215638
TUV	File Number: R50305080

How to Order

KCA 77 A B 0

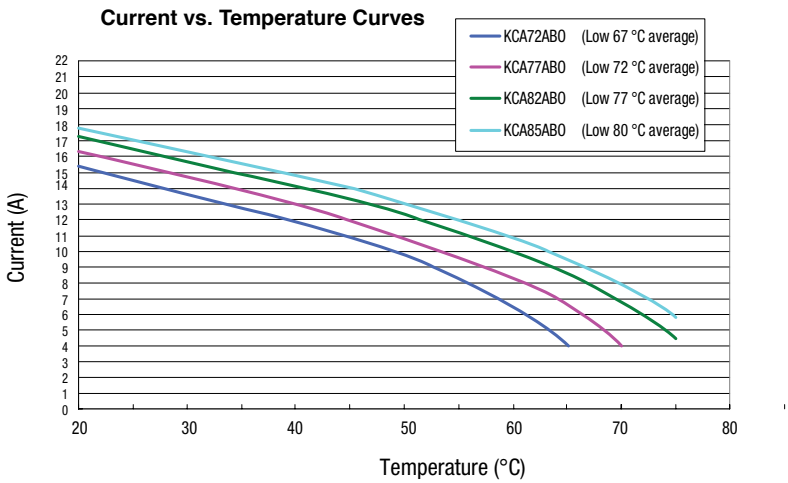
- Series Designator
- Trip Temperature (±5 °C)
  - 72
  - 77
  - 82
  - 85
- Arm Material
  - A = Cu Alloy, High Current Type
- Terminal Type
  - (with/without Projection & Terminal Length)
- Manufacturer's Internal Code

* RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.

** Bourns considers a product to be "halogen free" if (a) the Bromine (Br) content is 900 ppm or less; (b) the Chlorine (Cl) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (Cl) content is 1500 ppm or less.

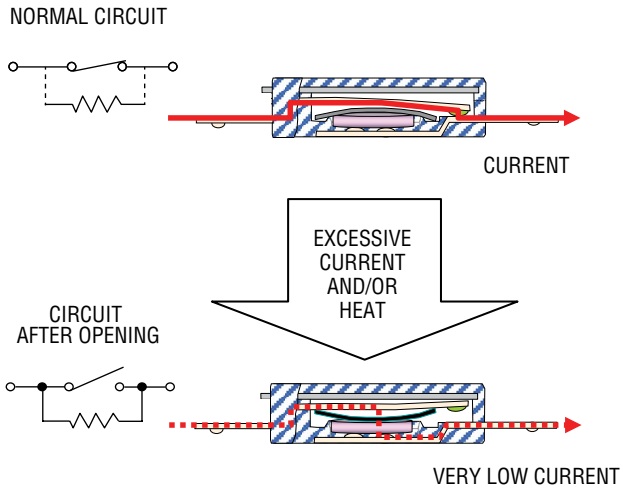
Specifications are subject to change without notice.
The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time.
Users should verify actual device performance in their specific applications.

Typical Performance



The above curves were derived from placing test samples in an oven at 25 °C, 40 °C, 60 °C and 70°C, increasing current flow through the sample at a rate of 0.1 A/minute and recording the current value when the sample trips.

Operation



Specifications are subject to change without notice.
The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time.
Users should verify actual device performance in their specific applications.