

Preliminary

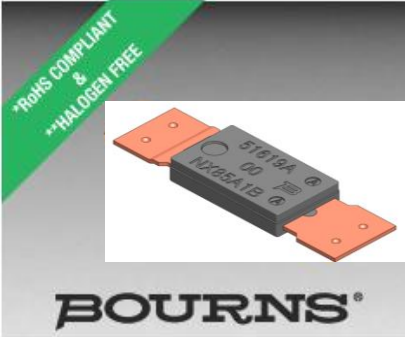
Smaller body size, High current, High corrosion resistance withstand

Features

- Formerly a **KOMATSULITE™** product
- Miniature Thermal Cutoff (TCO) device
- Smaller body and High current capacity
- Overtemperature and overcurrent protection for lithium polymer and prismatic cells
- Controls abnormal, excessive current virtually instantaneously, up to rated limits
- Wide range of temperature options
- High corrosion resistance withstand

Applications

- Battery cell protection for:
- Notebook PCs
 - Tablet PCs
 - Smart phones



NX Series Breaker (Thermal Cutoff Device)

Ratings

Specification	A-TYPE			
	NX77ABB, NX77A1B	NX82ABB, NX82A1B	NX85ABB, NX85A1B	NX90ABB, NX90A1B
Trip Temperature	77 °C ± 5 °C	82 °C ± 5 °C	85 °C ± 5 °C	90 °C ± 5 °C
Reset Temperature	40 °C min.			
Maximum Breaking Current	DC5V / 70 A, 100 cycles			
Maximum Voltage	DC28 V / 35 A, 100 cycles			
Minimum Holding Voltage	3 V @ 25 °C for 1 minute			
Maximum Leakage Current	200 mA max. @ 25 °C			
Resistance	3 mΩ max. / 1.2 mΩ typ.			

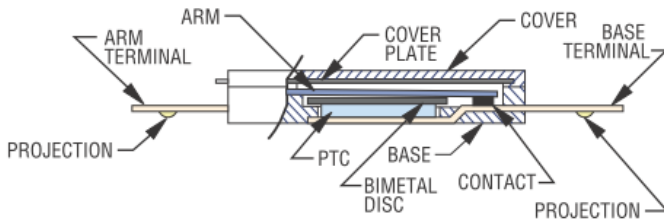
Mini-breaker TCOs reset when the following conditions are met:

- The ambient temperature has dropped by 10 °C below the minimum trip temperature; and
- Power to the TCO has been cycled (off/on)

Agency Recognition

Description	
UL, cUL	T.B.D.
TUV	T.B.D.

Product Structure



AVAILABLE WITH AND WITHOUT PROJECTIONS.

How to Order

Series Designator _____ **NX 77 A B B**

Trip Temperature (±5 °C) _____

- 77
- 82
- 85
- 90

Arm Material _____

A = Cu Alloy, High Current Type

Terminal Type _____

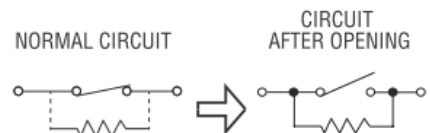
1 = With Projection

B = Without Projection

Body Color _____

B = Black

Circuit Diagram



WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov

* 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.

Users should verify actual device performance in their specific applications.

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