

New Product Release

CIRCUIT PROTECTION PRODUCTS



Bourns Announces Next Generation of Surface Mount Miniature Resettable Thermal Cutoff Devices *Model SC Series*

Riverside, California – FEBRUARY 18, 2019 – Bourns is pleased to announce the release of the [Model SC Series](#) Miniature Resettable Thermal Cutoff (TCO) devices. These are Bourns' next generation of surface mount miniature resettable thermal cutoff devices, following the successful [SA Series](#).

Miniature resettable thermal cutoff devices traditionally have been used in battery packs that use welding for assembly. However, the new SC series opens these circuit protection devices to multiple new applications as they can be reflow soldered onto printed circuit boards.

The new SC series features current capabilities from 5.5 A up to 8 A at 60 °C and is available in two height options. The very low profile SCxxAAB option has a height of just 0.94 mm ± 0.05 mm and the reinforced SCxxAAA option, at 1.07 mm ± 0.05 mm is designed to withstand the high injection molding pressures commonly experienced during USB cable manufacturing. The SC series is also designed to withstand humid environments and employs a high corrosion resistance bimetal mechanism.

The primary application for these devices is battery cell protection in smartphones and USB 3.1 type C cables.

The product data sheet with detailed specifications can be viewed on the Bourns website at www.bourns.com. Visit www.bourns.com/products/circuit-protection/mini-breakers for more information on Bourns® Mini-Breaker Thermal Cutoff Devices.

For further details on these exciting new models, please contact your nearest [Bourns representative](#).

Features

- Miniature Thermal Cutoff (TCO) device
- Surface mount, smallest body size
- Overtemperature and overcurrent protection
- Controls abnormal, excessive current virtually instantaneously, up to rated limits
- Wide range of temperature options
- High corrosion resistance
- Two height options: low profile & high force withstand
- RoHS compliant*

Applications

- Battery cell protection for:
 - Notebook PCs
 - Tablet PCs
 - Smartphones
- Overtemperature protection for:
 - USB Type C cables (e.g. smart phone cables, notebook AC adapters)
 - Electronic cigarettes
 - Medical heaters**

* RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.
** Excluding life-saving, life-critical or life-sustaining applications.