



Surface mount fuses for overcurrent and overcharging protection



Eaton Bussmann™ series self-control fuses (SCF) provide overcurrent and overcharge protection ideal for use in multi-cell battery packs and systems in consumer, computer, energy, industrial, and medical applications.

Product description

Eaton Bussmann™ series self-control fuses (SCF) provide overcurrent and overcharge protection ideal for use in multi-cell battery packs and systems in consumer, computer, energy, industrial, and medical applications. These fuses feature an integrated fuse element assembly and heater. The heater is activated to open the fuse element when an IC or FET detects an unrecoverable overvoltage (overcharge) issue. Eaton SCF fuses contain three terminals; two of the terminals are similar to those of standard fuses, while the third terminal accepts a signal from an external IC or FET. Eaton SCF SMD fuses are available in three different footprints with a wide range of current ratings from 12 A to 45 A.

Features and benefits

- Three-terminal surface mount fuse for overcurrent and overcharge protection
- Integrated heater element with fusible element for IC/FET triggering capability
- Low internal resistance for high efficiency in Li-ion battery packs
- Three footprints commonly found in volume applications
- Easily pair nominal current and battery cells used in series
- Wide range of current ratings for multiple battery applications

