

CH1B050P-S19Q – CH1B050P Pyro-Fuse Trigger

The Littelfuse / Commercial Vehicle Products CH1B050P pyro-fuse trigger is a current sensor trigger protection solution designed for high-reliability pyro module system applications. Using open-loop Hall effect technology, the CH1B050P detects overcurrent conditions and provides a direct output signal to activate a pyro module. This device is capable of directly triggering a pyro module and offers very high fault current interruption capability. The CH1B050P delivers fast and reliable circuit protection while maintaining low power consumption in a compact, lightweight design, making it suitable for demanding automotive and commercial vehicle environments.

Features

Designed for pyro module system applications
Current sensor triggers pyro module directly
Very high fault current interruption capability
Various trigger levels available
Asymmetric calibration possible
External trigger signal to pyro module
Diagnostic function
Open-loop Hall effect technology
Unipolar +12 VDC power supply
-40°C to +85°C operating temperature range
Up to 1,000 VDC system voltage

Specifications

-16 V to 24 V maximum supply voltage
200 mA maximum supply current in measurement mode
10 A maximum supply current for 2 ms during triggering
50 M Ω insulation resistance
1 mA leakage current due to dielectric voltage

Notes: *This datasheet is based on publicly available information and may not be complete. For detailed specifications and technical documentation, contact Seco directly or consult their official website.*