

Battery management in (Hybrid) electric vehicles

CG912 – Pyro fuse driver



BOSCH

Invented for life



PRODUCT BENEFITS

- ▶ Driver for up to four pyro fuses
- ▶ Differential outputs for highest system performance
- ▶ Power supply for system microcontroller
- ▶ Automated diagnostic routines



up to 4 pyro fuses

for reliable disconnection of the high voltage battery

TASK

Additional safety function for electrical systems in (H)EVs

FUNCTION

Controlled by the battery management system, CG912 can ignite up to four pyro fuses. The pyro fuses safely disconnect the HV battery from the vehicle's electrical system.

5 firing modes

per channel – selectable for optimum adaption to the pyro fuses

TECHNICAL CHARACTERISTICS

Firing loops	5 firing modes (incl. 1.2 A, 1.75 A and LEA)
Interfaces	SPI, 32-bit (3.3V), K-Line/LIN
VDD typ. [V]	3.3
Operating temperature (T _J)	-40°C to 150°C

