

PCAN-Optoadapter

Plug-on Adapter for Decoupling CAN and CAN FD Networks

The PCAN-Optoadapter is a universal plug-on adapter to allow galvanic isolation of High-speed CAN bus systems. Its integrated logic means that decoupling can be installed at any point in the CAN network.

The PCAN-Optoadapter can be used in CAN FD buses with data bit rates up to 2 Mbit/s and nominal bit rates up to 1 Mbit/s.



Female D-Sub Connector	Pin	Pin assignment
	1	5V Power supply
	2	CAN-L
	3	GND
	4	Not connected
	5	Not connected
	6	GND
	7	CAN-H
	8	Not connected
	9	Not connected

Male D-Sub Connector	Pin	Pin assignment
	1	Not connected
	2	CAN-L
	3	GND
	4	Not connected
	5	Not connected
	6	GND
	7	CAN-H
	8	Not connected
	9	Not connected

Specifications

- ___ Plug-on adapter for decoupling a CAN bus for PEAK CAN interfaces
- ___ Galvanic isolation by DC/DC converters up to 500 V
- ___ Bit rates from 5 kbit/s up to 1 Mbit/s
- ___ High-speed CAN transceiver NXP PCA82C251
- ___ Suitable for the use in CAN FD buses with data bit rates up to 2 Mbit/s and nominal bit rates up to 1 Mbit/s
- ___ CAN bus connection via D-Sub, 9-pin (in accordance with CiA® 106)
- ___ LED for status indication of the supply voltage
- ___ 120-Ohm bus termination at the female D-Sub connector
- ___ 5-Volt power supply through pin 1 of the High-speed CAN connection. Nearly all CAN interfaces by PEAK-System can provide the required supply
- ___ Extended operating temperature range from -40 to +85 °C (-40 to +185 °F)

Ordering information

Designation	Part No.
PCAN-Optoadapter	IPEH-002038

Scope of supply

- ___ Adapter in plastic casing
- ___ Manual in PDF format