

## PLIN-LWL (IPEH-004049) – Detailed Data Sheet



### Product Description

The PLIN-LWL from PEAK-System is an optical coupler for LIN data transmission. It allows segments of a LIN network to be replaced with fiber-optic lines, ideal for use in explosion-proof areas or EMC measurements. Power is supplied externally.

### Technical Specifications

Feature	Details
Bit Rates	From 2.4 kbit/s up to 20 kbit/s
Transceiver	TJA1028 LIN transceiver
LED Display	LEDs for power supply and transceiver status
Termination	Switchable master termination
LIN Bus Connector	D-Sub 9-pin
Fiber-optic Line	62.5/125 $\mu\text{m}$ duplex line with ST connectors
Casing	Aluminum casing
Supply Voltage	8 to 30 V
Power Supply	Via D-Sub 9-pin or DC connector (jumper)

	selectable)
Operating Temperature	-40 to +85 °C (-40 to +185 °F)

### D-Sub 9-Pin Connector Pin Assignment

Pin	Assignment
1	Not connected
2	Not connected
3	GND
4	LIN
5	Not connected
6	GND
7	Not connected
8	Not connected
9	V+

### Scope of Supply

- 2 LIN to optical waveguide converters including power supply units
- Delivered in shockproof plastic box
- Choice of 5 or 10 m fiber-optic cable (62.5/125 µm duplex line with ST connectors). Other lengths available on request
- Manual in PDF format