

PowerPlex[®] Gateway Convenient networking



Technical information

PowerPlex® Gateway

The **PowerPlex®** Gateway is a multiprotocol module to connect **PowerPlex®** systems with other networks. It allows the combination of a **PowerPlex®** CAN bus with various other bus systems: CAN (e.g. NMEA2000, SAE J1939), Modbus.

E-T-A **PowerPlex®** is a modular, CAN bus based control system allowing the realisation of intelligent on-board electrical systems on boats and recreational vehicles. It connects and

controls a wide range of tasks and electrical components in complex on-board electrical systems. The wide range of **PowerPlex®** products offers various possibilities to run processes automatically or to link them with conditions.

The **PowerPlex®** Gateway allows transmission of I/O data between **PowerPlex®** products and devices of another bus system. It automatically translates and filters incoming messages

so that only relevant data will be transmitted or received. This ensures a consistent flow of information for controlling and monitoring of the entire application.

Both buses are connected to the gateway and are galvanically isolated from each other. Configuration of the gateway is by means of software via the **PowerPlex®** CAN bus.

Technical data

Part number	PP-M-CG300-000-0-Z-00
Voltage ratings	DC 12 V/24 V
Operating voltage	DC 9 ... 32 V
Current consumption	typically 72 mA at DC 12 V typically 44 mA at DC 24 V
Degree of protection	IP22 when mounted vertically with terminals pointing downwards
Operating temperature	-40 ... +70 °C (-40 ... +158 °F)
Storage temperature	-40 ... +85 °C (-40 ... +185 °F)
Mass	approx. 105 g

Interfaces:

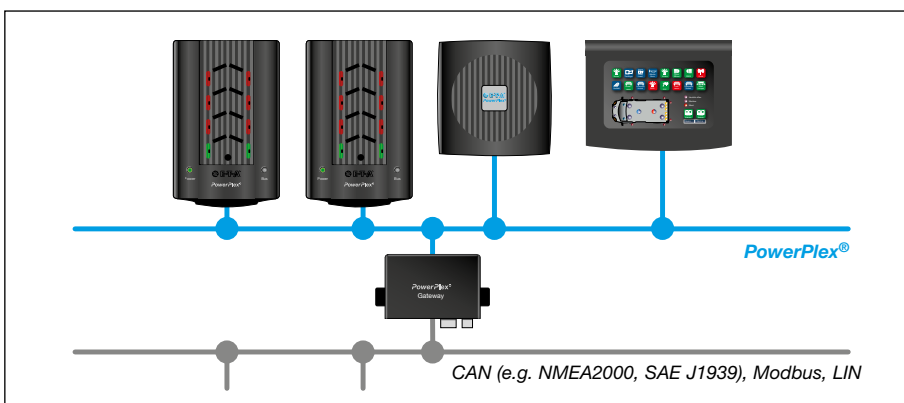
CAN I	PowerPlex® CAN to SAE J1939, 250 kbit/s
CAN II	galvanically isolated, configurable 100 kbit/s, 125 kbit/s, 50 kbit/s, 500 kbit/s or 1Mbit/s
Modbus	RS485 connector
LIN bus	upon request



The **PowerPlex®** Gateway allows easy networking of a **PowerPlex®** system with another bus system.

Benefits

- Two high-speed CAN channels
- Galvanical isolation of the CAN interfaces
- Flexible gateway to other bus systems: CAN (e.g. NMEA2000, SAE J1939), Modbus
- Filtering of data traffic
- User-friendly configuration and parameter selection



The **PowerPlex®** Gateway automatically translates and filters incoming messages in both directions of the networks.



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