

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, in mobile homes and special 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

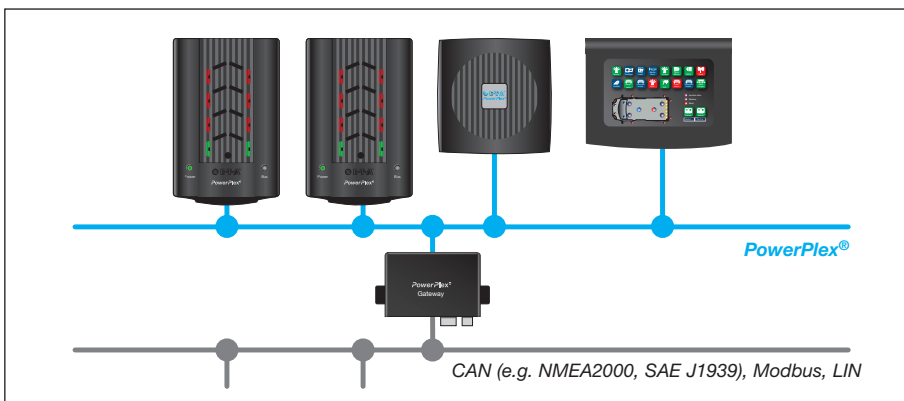
| | |
|-----------------------|--|
| Part number | PP-M-CG300-000-0-Z-00 |
| Voltage ratings | DC 12 V/DC 24 V |
| Operating voltage | 9 ... 32 V DC |
| Current consumption | typically 160 mA at DC 12 V typically 80 mA at DC 24 V |
| Degree of protection | IP22 when mounted vertically with terminals pointing downwards |
| Operating temperature | -20 ... +85°C (-4 ... 185 °F) |
| Storage temperature | -30 ... +85°C (-22 ... 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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