CAN-DP/2
Gateway CAN to PROFIBUS-DP® Slave

Fast and reliable linking PROFIBUS-DP and CAN
- CAN-PLC link, e.g. to SIEMENS SIMATIC S7-300 or S7-400
- DP-slave with a total maximum of 300 bytes process data (input and output)

Coupling Modules with CAN Layer 2 Implementation to PROFIBUS-DP
- No limitation on the number of CAN nodes by the module
- 11- and 29-bit CAN-ID support

Configuration with Standard Tools
- Run-time configuration via PLC
- No special tools required
- Plug ‘n’ play replacement

Applications
With the CAN-DP/2 gateway you can couple CAN modules with CANopen® or layer-2 implementation to e.g. a SIMATIC-S7.

Physical Interfaces
The ISO 11898-compatible CAN interface allows a maximum data-transfer rate of 1 Mbit/s. The PROFIBUS-DP-Slave interface automatically recognizes all usual bit rates up to 12 Mbit/s. The DP as well as the CAN interface are electrically isolated.

Configuration and CAN Protocols
The module can be configured via PROFIBUS configuration tool, e.g. the PLC SIMATIC Manager.

Linking PROFIBUS-DP and CAN
The module CAN-DP/2 can link any PROFIBUS-DP master to a CAN network. The gateway operates as a PROFIBUS-DP slave-I/O component with a total of maximum 300 bytes process data (up to 244 bytes input and 56 bytes output or up to 244 bytes output and 56 bytes input data) on the PROFIBUS-DP.

Technical Specifications:

- **CPU:**
  - Microcontroller: ARM® Cortex™-M3
  - Memory: SRAM: 1 MB
  - Flash EPROM: 256 KB, integrated in microcontroller

- **CAN:**
  - CAN controller: ISO 11898-1, integrated in microcontroller
  - CAN interface: ISO 11898-2, electrically isolated, up to 1 Mbit/s

- **PROFIBUS-DP:**
  - DP controller: VPC3, PROFIBUS-DP Slave
  - DP interface: RS-485, electrically isolated, max. 12 Mbit/s

- **General:**
  - Operating voltage: Nominal 24 VDC ±20 %
  - Nominal current: 55 mA @ 24 VDC
  - Ambient temperature: 0 °C … +55 °C
  - Relative humidity: Max. 90 % (non-condensing)
  - Dimensions: 22.5 mm x 99 mm x 114.5 mm
  - Weight: ca. 125 g
  - Connectors: CAN: 5-pin Mini-Combicon or InRail Bus DP: 9-pin DSUB, female
  - Power: 4-pin Combicon or InRailBus
  - DIAG: USB type B connector (service only)

Order Information:

Hardware

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<tr>
<th>Order No.</th>
<th>Description</th>
<th>Notes</th>
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<tbody>
<tr>
<td>C.2907.02</td>
<td>CAN-DP/2 Gateway CAN to PROFIBUS-DP slave, physical layer ISO 11898-2, firmware with gateway function, GSD-file included</td>
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