**CAN-DP**  
**Profibus-DP / CAN Gateway**

- Fast and reliable linking Profibus-DP and CAN with data buffering  
- CAN-PLC link, e.g. to SIEMENS S7-300 or S7-400  
- No limitation on the number of CAN participants

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

**Applications**  
With the CAN gateway you can couple CAN modules with CANopen or layer-2 implementation to e.g. SIMATIC-S7. The number of CAN participants is not limited by the module.

**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. CANopen is supported as layer-7 protocol on the CAN layer.

**Technical Specifications:**

| **CPU:** | Microcontroller: PowerPC 405 EP, 133 MHz  
Memory: 4 M x 32 bit SDRAM (16 MB), 1 M x 16 bit Flash EPROM (2 MB) |
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| **CAN:** | CAN controller: SJA1000, CAN 2.0A/B  
CAN interface: differential, electrically isolated, 1 Mbit/s, ISO11898  
Profibus-DP: DP controller: SPC3, DP-Slave  
DP interface: RS-485, electrically isolated, max. 12 Mbit/s |
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| **General:** | Operating voltage: nominal 24 VDC  
Connectors: CAN: 5-pole socket connector  
           DP: 9-pole female DSUB power: 4-pole spring force connection plug |
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<th><strong>Order information:</strong></th>
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<td>CAN-DP</td>
<td>DP-CAN gateway, layer-2, CAN 2.0A/B (11/29-bit CAN-ID), GSD-file</td>
<td>C.2905.02</td>
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<td>CAN-DP-ME</td>
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