CAN-CBM-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-CBM-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 (partitioning from up to 244 bytes input and 56 bytes output 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. a 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 by optocouplers and DC/DC converters.

Serial Interface
The module has a serial interface (default: RS-232) for service and configuration. It is connected by a DSUB9 connector.

Configuration and CAN protocols
For the I/O data mapping of the DP slave a configuration software for Windows95/98 or Windows NT is available. CANopen is supported as Layer-7 protocol on the CAN layer.

Technical Specifications:

**CPU and serial interface:**
- Microcontroller: 68331, 25 MHz
- Memory: 512 k x 16 bit SRAM, 128 k x 8 bit Flash EPROM
- Available interfaces: RS-232, RS-485, TTY, max. 38,4 kbit/s

**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

**General:**
- Operating voltage: nominal 24 VDC
- Connectors: CAN: 1x 5-pin connection socket
  - DP: 9-pin female Dsub
  - serial: 9-pin male Dsub
  - power: UEGM screw connector

**Order information:**

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