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. a SIMATIC-S7. The number of CAN participants is not limited by the module.
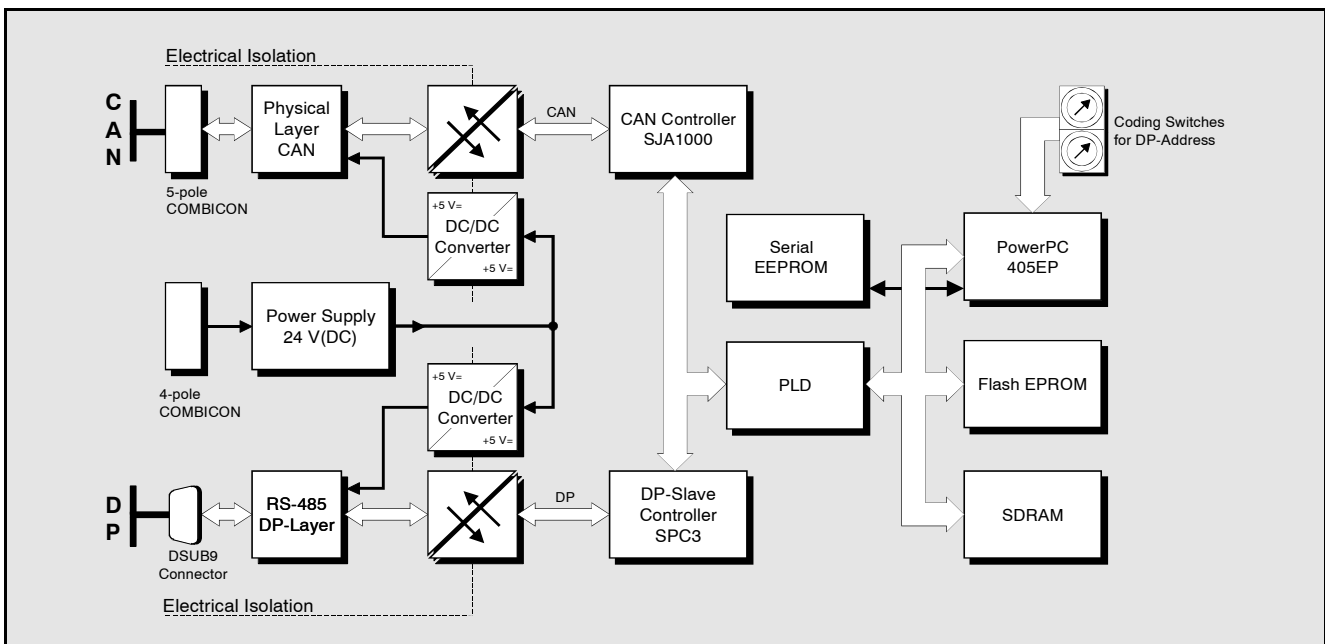
Physical Interfaces
The ISO 11898-compatible CAN interface allows a maximum data-transfer rate of 1 Mbit/s. The Profibus-DP-Slave interface automatically recognizes all usual bit rates up to 12 Mbit/s.
The DP as well as the CAN interface are electrically isolated.

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)

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:	5-pole socket connector
	DP:	9-pole female DSUB
	power:	4-pole spring force connection plug

Order information:		
Designation		order no.
CAN-DP	DP-CAN gateway, layer-2, CAN 2.0A/B (11/29-bit CAN-ID), GSD-file	C.2905.02
CAN-DP-ME	English user manual	C.2905.21

I:\Texte\Doku\DBL\CAN\ENGLISCH\Blue\CANDP_04.en9