



DN-DP

Profibus-DP / DeviceNet Gateway

- Fast and reliable linking Profibus-DP and DeviceNet with data buffering
- DeviceNet-PLC link, e.g. to SIEMENS S7-300 or S7-400



Linking DP and DeviceNet

The module DN-DP can link any Profibus-DP master to a DeviceNet network. The DN-DP gateway operates as a slave-I/O component with a total of maximum 312 bytes data (partitioning from up to 244 bytes input and 68 bytes output to 244 bytes output and 68 bytes input data) on the DP-bus. At the DeviceNet, the DN-DP can operate as a scanner or as a slave device.

Applications

With the DN-DP gateway, you can couple DeviceNet modules to e.g. a SIMATIC-S7. The module does not limit the number of DeviceNet participants.

Physical Interfaces

The DN-DP supports all DeviceNet compatible bitrates. The Profibus-DP-Slave interface automatically recognizes all usual bit rates up to 12 Mbit/s. The DP as well as the DeviceNet interface are electrically isolated.

Configuration

Configuration is possible via a PROFIBUS configuration tool, e.g. the PLC SIMATIC Manager.

For further information please visit
<http://www.esd-electronics-usa.com/CAN%20Gateways.html>

growing with the
challenge

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Technical Specifications:

CPU:	
Microcontroller:	PowerPCTM 405 EP, 133 MHz
Memory:	4 M x 32 bit SDRAM (16 MB), 512 k x 16 bit Flash EPROM (1 MB)
DeviceNet:	
CAN controller:	SJA1000, ISO11898-1 (CAN 2.0)
DeviceNet interface:	According to DeviceNet Specification release 2.0, differential, electrically isolated, all DeviceNet bit rates are supported
PROFIBUS-DP:	
DP controller:	VPC3, DP-Slave
DP interface:	RS-485, electrically isolated, max. 12 Mbit/s
General:	
Operating voltage:	Nominal 24 VDC
Connectors:	DeviceNet: 5-pole socket connector
	DP: 9-pole female DSUB
	Power: 4-pole spring force connection plug

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Order Information:

Designation		Order no.
DN-DP	DeviceNet-DP gateway ISO11898-2, GSD-file	C.2930.02
DN-DP-ME	English user manual	C.2930.21

