



## DP/CAN Coupler

### CANopen Layer 2

- Up to 1 Mbps CAN transfer rate
- Up to 12 Mbps PROFIBUS-DP
- Address setting using DIP switches
- Easy configuration via GSD file
- No handling blocks or parameterization software necessary
- 3 status LEDs
- Extended ambient temperature
- USB port for firmware updates
- Up to 15 CANopen participants
- CANopen master and CAN Layer 2 possible

On the PROFIBUS-DP, the DP/CAN coupler is a normal participant. The I/O data of the CANopen® participants is shown in the PROFIBUS in a transparent and freely configurable manner. The DP/CAN coupler is integrated in the hardware configurator with a GSD file and can be completely configured there. Additional tools are not necessary.

On PROFIBUS, all standard transfer rates up to 12 Mbps are supported; on the CAN bus up to 1 Mbps. The PROFIBUS address is set using a DIP switch. Parameterization of the CANopen participants using SDO frames and administration of emergency messages is also possible. Alternatively, the DP/CAN coupler can also be used as a CAN Layer 2 device on the CAN bus. This makes it possible to also integrate customer-specific CAN protocols via PROFIBUS.

### Technical specifications

General information	
Order number	700-650-CAN01
Article name	DP/CAN coupler CANopen® Layer 2
Scope of delivery	DP/CAN coupler, manual, CD with software
Dimensions (DxWxH)	114 x 18 x 108 mm
Weight	Approx. 110 g
PROFIBUS interface	
Number	2
Protocol	max. 12 Mbps, autom. detection
Transmission rate	PROFIBUS-DP
I/O image size	max. 240 bytes of input / 240 bytes of output data
Connection	SUB-D female connector, 9-pin
CAN interface	
Number	1
Type	ISO/DIN 11898-2 CAN High-speed physical layer
Transmission rate	10 kbps ... 1 Mbps
Protocol	CANopen® master CAN 2.0A (11 bit)
Connection	Terminal 3-pin
TPDOs	4
RPDOs	4

Features	Sync timer
Status indicator	3 LEDs
Voltage supply	24 V DC, 18–30 V DC
Current draw	typ. 180 mA with DC 24 V
<b>Ambient conditions</b>	
Ambient temperature	-25 °C ... +70 °C
Transport and storage temperature	-40 °C ... +75 °C
Relative air humidity	95 % r H without condensation
Pollution degree	2
Protection rating	IP20
Certifications	CE
<b>CE</b>	
RoHS	Yes
REACH	Yes