



Features

- ✓ 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
- ✓ Any protocols via Layer 2 possible
- ✓ CAN 2.0A (11 bit)
- ✓ CAN 2.0B (29 bit)
- ✓ Timer for cyclical frames

DP/CAN Coupler, Layer 2

The DP/CAN coupler integrates CANopen® devices into a PROFIBUS DP network.

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.

The DP/CAN coupler Layer 2 allows you to connect any number of CAN participants to the PROFIBUS-DP.

The DP/CAN coupler Layer 2 must be parameterized in the hardware configurator as a PROFIBUS participant.

Corresponding GSD files are included with the device.

The PROFIBUS side is configured as a DP slave

General information

Order number	700-651-CAN01
Article name	DP/CAN coupler Layer 2
Scope of delivery	DP/CAN coupler, manual, CD with software
Dimensions (DxWxH)	114 x 18 x 108 mm
Weight	Approx. 110 g
Status indicator	3 LEDs

Voltage supply	24 V DC, 18–30 V DC
Current draw	typ. 180 mA with DC 24 V

PROFIBUS interface

Number	1
Protocol	PROFIBUS-DP
Transmission rate	max. 12 Mbps, autom. detection
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	CAN 2.0A (11 bit) / CAN 2.0B (29 bit)
Connection	Terminal 3-pin
Features	Cyclical transmission of CAN frames

Ambient conditions

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
Approvals	CE

As of: 7 - 2026