

Connection of a CAN network and a PROFIBUS network via integrated interfaces

Easy data exchange between CAN and PROFIBUS via the internal coupling



Article no. BWU1246: CAN/PROFIBUS Coupler

The CAN/PROFIBUS Coupler is the easiest solution to exchange data between CAN and PROFIBUS.

In big applications is often a need to exchange data between a control of a CAN network and another PLC, e. g. to report the process status. This problem was solved in the past with the help of normal I/O modules, with the inputs of the control of the CAN network connected to the outputs of the other PLC and vice versa. With the use of the CAN/PROFIBUS Coupler to solve this problem the installation costs as well as the components costs can be reduced.

The CAN/PROFIBUS Coupler consists of a CAN slave with n bytes (8, 16 or 24 bytes) input data and n bytes output data and

a PROFIBUS slave with n bytes input data and 8 bytes output data in one housing. The outputs of one slave are connected to respective inputs of the other slave and vice versa (output data byte 1 of the CAN slave with input data byte 1 of the PROFIBUS slave and vice versa, etc.).

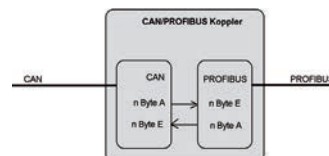
There is a galvanic isolation between CAN and PROFIBUS.

A seven digit display can be used for commissioning and diagnosis.

As long as one of both slaves does not exchange data the other slave reads on each input a 0 as default.

Article no.	BW1246
Connections	PROFIBUS: D-Sub 9-pin CAN: 4-pin COMBICON plug
PROFIBUS interface	according to DIN 19245 part 1-3
Baud rates	9,6 KBaud to 12000 KBaud, automatic recognition
DP functions	imaging of the CAN Data as I/O data of the PROFIBUS complete diagnosis and configuration via DP master
CAN baud rates	125 KBaud, 250 KBaud, 500 KBaud, 1 MBaud
Display	seven digit
Operating current	< 120 mA at 24 V
Operating voltage	24 V DC
Voltage of insulation	≥ 500 V
Standards	EN 50082, EN 50081
Operating temperature	0°C ... +55°C
Storage temperature	-25°C ... +85°C
Housing	plastic, housing for DIN-rail mounting
Protection category (DIN 40050)	housing IP20
Dimensions (L /W /H)	100 /25 /120
Weight	120 g

CAN/PROFIBUS connections



Terminal assignment:

