Profibus DP Plug-in Card B-DP

B-DP is a Slave module, which can simply be integrated in a Profibus–DP or Siemens L2-fieldbus. By the provided file "ZAND0481.GSD " all important characteristics of the module are transferred to the field-bus master, that it is directly operational after the assignment of an address (address on delivery: 126).



- *Standard-conformable Profibus DP Slave*
- *Very compact module*
- *Easy installation*
- *16 I+16 O half duplex or 8 I+8 O full-duplex*
- *Data transmission rate up to 12MBit/s*

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Stucture

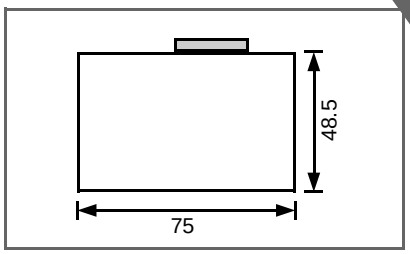
A 20-pin plug-in connection makes the connection to the application side: The module can be operated e.g. with a PLC or with an input/output module like **the ZANDER** ESB. At the plug-in connection 16 lines are available, which can be switched by 2 control lines alternatively to 16 bits half duplex mode (16 inputs and 16 outputs) or to 8 bits full-duplex operation (8 inputs and 8 outputs). The 9-pin SubD socket corresponds to the Profibus standard, besides the data lines the +5V – and 0V-Potential is available for the wiring of terminal resistances. The Profibus interface is electrically isolated from the remaining electronics.

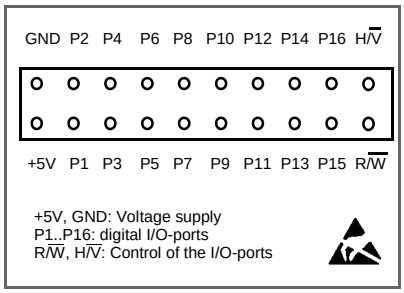
Electrical connection

The B-DP provides a plug-in connection with gold plated precision contacts, which can be plugged on pin rows with 0.635mm square pins up or round pins to 0.85mm and 2.54mm grid dimension.

Note!

The plug-in cards contain electrostatically sensitive elements. The installation may take place only on an ESD protected place and by ESD protected personnel.





Order-No	Type
586190	Profibus DP plug-in card B-DP

R/$\overline{W}$	H/$\overline{V}$	E/A-Ports
1	1	P1..P16 as outputs, 16 Bit half-duplex
0	1	P1..P16 as inputs, 16 Bit half-duplex
0	0	P1..P8 as outputs, P9..P16 as inputs, 8 Bit full duplex
1	0	Not allowed

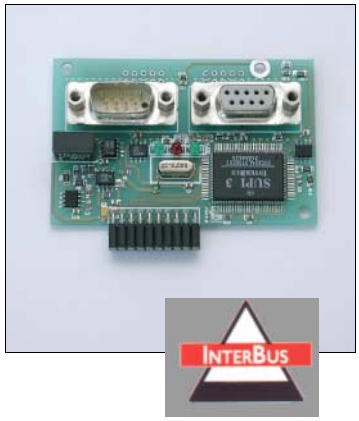
Specifications	
Operating voltage	DC 5V ±5%, stabilized
Power consumption	approx. 150mA
LED-display	run (green)
Data transmission rate	max. 12MBit/s
Profibus-DP-interface	9-pin. SubD, standard-conformable, electrically isolated Address on delivery: 126
I/O-interface	20-pin plug connection

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InterBus/CAN-Bus Plug-in Cards B-IS/B-CAN

The plug-in card B-IS is a Slave for the Interbus as a remote fieldbus participant. There are two 9-pin SubD connectors available, because the Interbus is wired as a ring. The I/O interface is implemented as 20-pin plug-in connector and provides 8 input and 8 output lines.

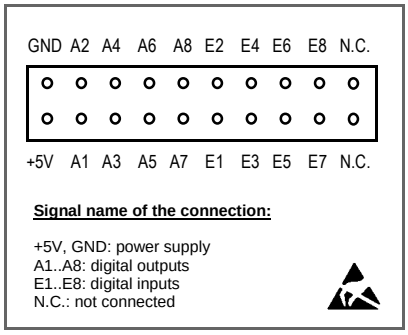


- *Standard-conformable Interbus remote fieldbus participant*
- *Very compact module*
- *Easy installation*
- *Data transmission rate: 500kBit/s*

Electrical connection

The B-IS provides a plug-in connection with gold plated precision contacts, which can be put on pin rows with 0.635mm square pins up or round pins to 0.85mm and 2.54mm grid dimension.

Order-No	Type
586191	Interbus plug-in card B-IS



Specifications	
Operating voltage	DC 5V ±5%, stabilized
Power consumption	approx. 150mA
LED-display	Cable check (green), Fieldbus active (green), Remote bus disabled (red)
Data transmission rate	500kBit/s
Interbus interface	2 x 9pin SubD, standard-conformable, electrically isolated
I/O-interface	20-pin plug-in connection

B-CAN is a remote module for the CAN fieldbus, which offers alternatively 8 inputs and 8 outputs or 12 inputs or 16 outputs at the 20-pin plug-in connection. The card corresponds to the CAN specifications 2.0A and 2.0B. With appropriate software of the master the B-CAN operates also in CANopen systems. The address in the fieldbus is adjusted via DIL switches, the I/O configuration is done via the CAN fieldbus.

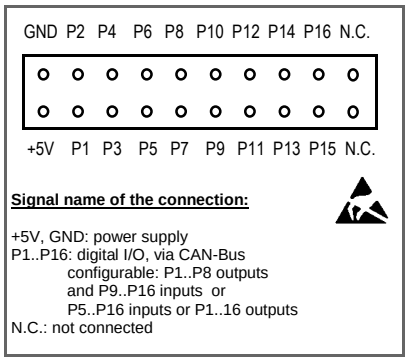


- *CAN bus interface (CiA DS-102)*
- *Very compact module*
- *8 I + 8 O or 12 I or 16 O*
- *Data transmission rate up to 125kBit/s*

Electrical connection

The I/O interface is mechanically implemented similar to the B-IS (see before), however the I/O configuration is adjustable via the CAN fieldbus.

Order-No	Type
586192	CAN-Bus plug-in card B-CAN



Specifications	
Operating voltage	DC 5V ±5%, stabilized
Power Consumption	approx. 100mA
Data transmission rate	max. 125kBit/s
CAN-Bus-interface	9pin SubD, conform to CiA DS-102, electrically isolated
I/O-interface	20-pin plug-in connection

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