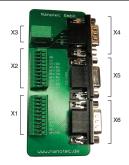


■ Additional board ZIB-PDx-N for PDx-N Plug & Drive motors



■ Caution: Only suitable for support during commissioning and test operation.

Technical data	
Operating voltage:	

Operating voltage: Interface: Temperature range:

Connection of voltage supply (X4)
The voltage supply must be ensured via 2 connectors each:
Pin 6, 11: 24-48V
Pin 10, 15: Power GND

Communication
Optionally communication can be made via a CAN bus (connector X6) or an RS485 bus (connector X5). The connection is only possible via the converter cable 2K-RS485-USB.

Inputs/Outputs
All inputs and outputs are made available via the X4 connector.

PD-I	(X4)

Pin	Function
1	Input 5
2	Input 4
3	Input 3
4	Input 2
5	Input 1
6	+UB24-48V
7	Input 6
8	Output 3
9	Signal GND
10	Power GND
11	+UB24-48V
12	Analog Input
13	Output 2
14	Output 1
15	Power GND

RS-485 (X5)

Pin	Function
1	NC
2	RX+
3	NC
4	TX+
5	NC
6	NC
7	RX-
8	GND
9	TX-

l	VT	Input 2
l	GY/PK	Input 3
l	RD/BU	Input 4
l	WH/GN	Input 5
l	BN/GN	Input 6
l	WH/BU	Analog Input
l	WH/YE	Output 1
l	YE/BN	Output 2
l	WH/GY	Output 3
L		`

PDx-N supply (X3)

PDx-N Data 1 (X1)

GY RS485 TX+
PK RS485 TX-

YE RS485 RXGN RS485 RX+
BN CAN+
WH CANGY/BN Signal GND
BU GND
BD GND

WH/PK +UB external

PDx-N Data 2 (X2)

Pin Function

Pin	Function
1	+UB
2	Power GND

CANopen (X6)

Pin	Function
1	NC
2	CAN-
3	GND
4	NC
5	NC
6	GND
7	CAN+
8	NC
9	+UB_Ext

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Quick Start Guide

NANOTEC produces component parts that are deployed in a variety of industrial applications. The selection and application of NANOTEC products is the responsibility of the system constructor or end user. NANOTEC accepts no responsibility for the integration of the products in the end system.

Under no circumstances may a NNOTEC product be integrated as the sole safety control in a product or construc-tion. All positioning controls without exception must be designed so that errors are detected dynamically and fall— tion. All positioning controls without exception must be designed so that errors are detected dynamically and fall— sale under all circumstance. All products which contain a component part armadistruct by NANOTEC must show appropriate warning notices and instructions for a safe application and safe operation on delivery to the end user. All warning notices provided by NANOTEC must be immediately prospect on the first of the proposed on the first office.

NANOTEC only accepts an express warranty for the quality of the cuan products in agreement with the standards and specifications in they appear in the NANOTEC manual. ALL OTHER IMPLICT and EXPLICIT WARRANTES ARE EXCLUDED. NANOTEC specific and in the Company of the Company o

ATTENTION
Do not use the products in environments where they are exposed to water, corrosive gases, inflammable cases or fuels.

gases or fuels.

Cheviuse there is a danger of electric shock or fire.

Only use the ZIB printed circuit board for tests during the commissioning. It is not designed for permanent operation.

ATTENTION

Make sure that the polarity of the power supply is correct. Otherwise the drive used can be damaged.

Make sure that the wires mounted on the connector are correctly seated. Otherwise there is a danger of shortcircuit or fire.

ATTENTION
On not altering to disconnect the plug connectors or cable while the voltage is switched on. There is a danger
After watching of the voltage supply wait until the back-up capacitors have discharged. There is a danger of
electric clock from the residual voltage supply wait until the back-up capacitors have discharged. There is a danger of
electric clock from the residual voltage is a danger of
electric clock from the residual voltage.

General safety instructions

PAY ATTENTION TO THE FOLLOWING INSTRUCTIONS TO ENSURE SAFE APPLICATION:

Some figures in this manual show the product with the protective covers or shelding removed. Always replace the protective cover or shelding as stated before putting the product into operation according to the specifications in the manual.

The manual is subject to change as a result of product improvements, changes to the specifications and revision of the manual, the version number is updated and the new manual is issued as a new edition.

If you would like to reorder a manual because of loss or damage, you can download it free of charge from the homepage at www.nanotec.de. If it is not available, please contact NANOTEC directly. NANOTEC accepts no responsibility for results that arise from unauthorized changes to the product. NANOTEC assumes no liability for damage or failures that are caused by unauthorized changes.