

e.bloxx D3 Technical Data

CAN Interface e.bloxx D3-CAN

Specification:	CAN node 2.0A/2.0B
Reference:	ISO 11898
Function:	<ul style="list-style-type: none">- Send and receive of data and remote frames- Recognition and generation of error frames- Synchronization
Transfer:	1 Mbps – CAN high speed
Bitset:	11/29 bit
Channels:	16 independent input or output variables

RS-485 Interface e.bloxx D3-COM

Specification:	RS-485
Format:	8E1
Baud rate:	19.2; 38.4; 57.6; 93.75; 115.2 kbps
Protocols:	Modbus-RTU, specific

RS-422 Interface e.bloxx D3-SSI

Specification:	RS-422 / push-pull
Input:	symmetric Tx+/Tx- / Rx+/Rx-
Signal:	2-7 V ref. EIA RS-422
Code:	Binary, Gray-Code
Bus clock:	100 kHz, 200 kHz, 250 kHz, 400 kHz, 500 kHz, 800 kHz, 1000 kHz, 2000 kHz

Digital In-/Output

Input	6
Function	6 x status,
Input voltage	max. 30 VDC
Input current	max. 6 mA
Upper switching threshold	> 10 V (high)
Lower switching threshold	< 2.0 V (low)
Output	4
Function	process or host controlled
Reaction time	1 ms per channel
Type of output	open collector
Output voltage	max. 30 V
Output current	max. 100 mA

Slave Communication Interface

Standard	RS 485, 2-wire
Data format	8E1
Protocols	ASCII, Modbus-RTU, Profibus-DP Local-Bus
Baud rate	
ASCII and ModBus-RTU	19.2; 38.4; 57.6; 93.75; 115.2 kBaud
Profibus-DP	19.2; 93.75; 187.5; 500; 1500 kBaud
Local-Bus	19.2; 38.4; 57.6; 93.75; 115.2; 187.5; 500; 1500 kBaud
Connectable devices	up to 32
Galvanic isolation	500 V

Power Supply

Power supply	10 to 30 VDC overvoltage and overload protection
Power consumption	approx. 5 W
Influence of the voltage	0.001 %/V

Mechanical

Case	Aluminium and ABS
Dimensions (W x H x D)	70 x 90 x 83 mm (2.76 x 3.54 x 3.27 in)
Weight	250 g (0.55 lb)
Protective system	IP20
Mounting	DIN EN-Rail

Environmental

Operating temperature	-20 °C to +60 °C
Storage temperature	-40 °C to +85 °C
Relative humidity	5 % to 95 % at 50 °C non condensing

Valid from Nov. 2010. Specification subject to change without notice.
DB_EBLOXX_D3_E_20.docx