



In the Ex-e version, the MODEX digital in module with 16 digital inputs enables 16 binary signals to be fed in. For example, pressure-resistant limit switches or control devices can be imported as signals. The module is connected to the process control system via the PROFIBUS-DP. Coding rotary switches are available for addressing the module.

Explosion protection

Marking ATEX	II 2G Ex db e IIC Gb I M2 Ex db e I Mb
Certification	PTB 97 ATEX 1066 U
Marking IECEx	Ex db e IIC Gb Ex db e I Mb
Certification	IECEx PTB 11.0082U
Marking CSA	Class I, Zone 1, IIC A/Ex d e IIC Gb
Certification	CSA 2011-2484303U
Other approvals and certificates, see www.bartec.de	

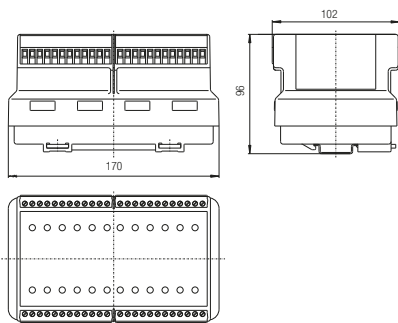
Technical data

Construction	Flameproof, clip-on enclosure for TH 35 rail	
Enclosure material	High-quality thermoplastics	
Protection class	Electronic assembly	IP 66 EN/IEC 60529
	Terminals	IP 20 EN/IEC 60529
	Terminals with cover	IP 30 EN/IEC 60529
Terminals	2.5 mm ² , fine stranded	
Device designation	Front plate for labelling	
Displays	LEDs on front panel	
Storage temperature	-40 °C to +60 °C	
Ambient temperature	-40 °C to +60 °C at T4	
Weight	2.1 kg	

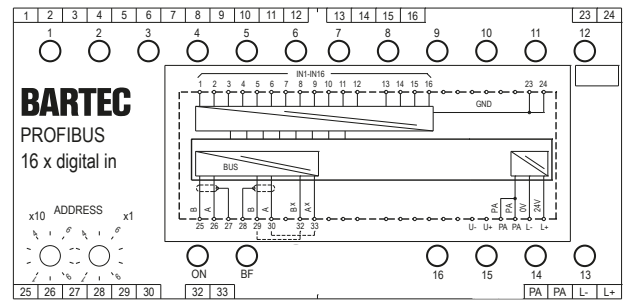
Electrical data

Supply voltage electronics (L +, L-)	DC 24 V (20 to 30 V)	
Power consumption (L +, L-)	1.5 W	
Reverse polarity protection (L+, L-)	Yes	
Power dissipation	max. 4.6 W (Module)	
Galvanic isolation	Power supply//bus//inputs	
Bus interface	RS485 with screw terminals	
Displays	Status	ON, BF
	Ausgänge	16 x LED yellow, active
Inputs		
Switching threshold	0 - Signal	0 V to +5 V
	1 - Signal	+10 V to +30 V
Power input	typ. 5 mA at 24 V min. 4 mA at 20 V	
Power consumption	max. 3.1 W (at 16 active inputs)	
Reverse polarity protection	Yes	

Dimensions/mounting positions



Wiring diagram/terminal assignment



Note

Last bus module in system	Bridge A-A ^x (terminals 30, 33) Bridge B-B ^x (terminals 29, 32)
GSD file	BARX2900.gsd
Download	http://automation.bartec.de

Ordering information

PROFIBUS Interface 16 x digital in Ex e **07-7331-2302/0000**

Technical data subject to change without notice.