



In the Ex e version, the MODEX digital out module can control various actuators using 16 digital outputs. During operation, a channel can be short-circuited on the short-circuit proof outputs (short-circuit proof to a limited extent). For example, solenoid valves, contacts and also signal transmitters with 24 V/ max. 500 mA can be controlled as actuators. The controlled actuators can be switched off by an emergency stop via a second power supply connection on the module on terminals U- and U+. The module is connected to the process control system via the PROFIBUS-DP. Coding rotary switches are available for addressing the module. Diagnostics data indicating the status of the outputs with respect to short-circuit or voltage failure can also be transmitted in addition to the user data. This is also displayed on the module itself using LEDs.

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	

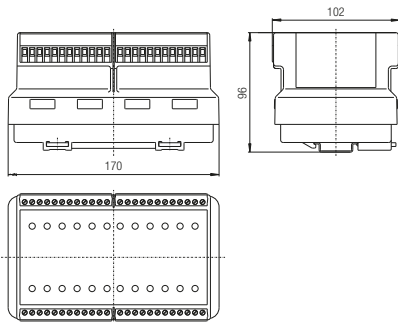
Technical data

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	

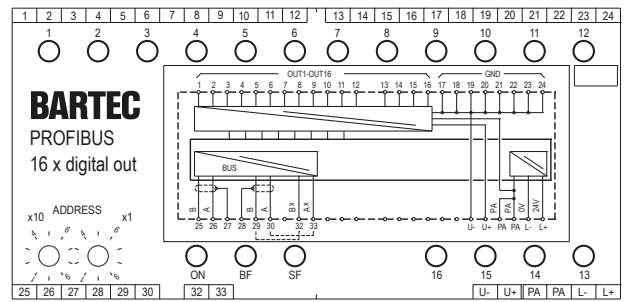
Electrical data

Supply voltage electronics (L +, L-)	DC 24 V (20 to 30 V)
Power consumption (L +, L-)	1.5 W
Supply voltage Outputs (U +, U-) suitable for emergency stop	DC 24 V (18 to 30 V)
Power output (U+, U-)	240 W (max.)
Reverse polarity protection (L +, L-, U +, U-)	Yes
Power dissipation	max. 7.3 W (Module)
Galvanic isolation	Power supply//bus//circuitry//outputs
Bus interface	RS485 with screw terminals
Displays	Status ON, BF, SF Outputs 16 x LED yellow, active
Outputs	
Output voltage	U+ -0.18 V
Output current	500 mA at T _U = +40 °C 400 mA at T _U = +60 °C
Short-circuit protection	short-circuit proof to a limited extent
Reverse polarity protection	Yes
Circuit monitoring	Combined fault via bus

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	BARX2901.gsd
Download	http://automation.bartec.de

Ordering information

PROFIBUS Interface 16 x Ex e digital out **07-7331-2301/0000**

Technical data subject to change without notice.