



In the Ex i version, the MODEX 8 relay out module can activate various actuators using 8 outputs. It is possible, for example, to directly activate intrinsically safe solenoid valves or other intrinsically safe circuits. The module is connected to the process control system via the PROFIBUS-DP. Coding rotary switches are available for addressing the module.

Explosion protection

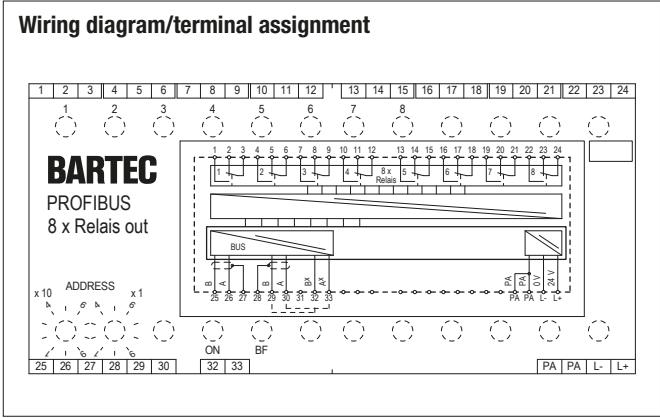
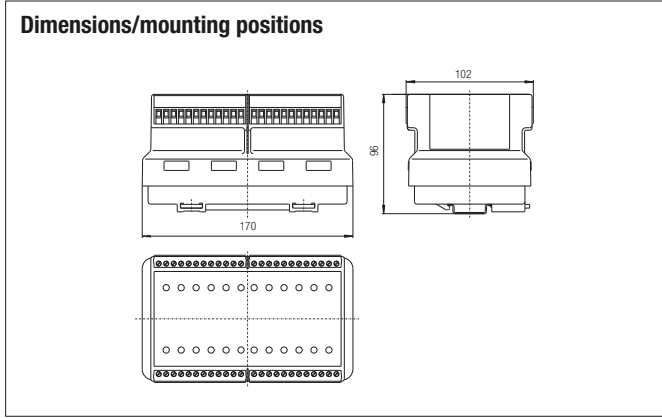
Marking ATEX	<p>II 2(1)G Ex db e [ia Ga] IIC Gb I M2 Ex db e [ia Ma] I Mb</p>
Certification	<p>PTB 97 ATEX 1066 U TÜV 99 ATEX 1457</p>
Marking IECEx	<p>Ex db e [ia Ga] IIC Gb Ex db e [ia Ma] I Mb</p>
Certification	<p>IECEx PTB 11.0082U IECEx TUN 11.0034X</p>
Marking CSA	<p>Class I, Zone 1, IIC A/Ex d e [ia] IIC Gb</p>
Certification	<p>CSA 2011-2484303U</p>
<p>Other approvals and certificates, see www.bartec.de</p>	
Installation	<p>Type 17-6583-.8./.... II (1) G / II (1) D [Ex ia Ga] IIC [Ex ia Da] IIIC For further data see test certificates.</p>
Electrical data $U_m = 253\text{ V}$	<p>Maximum value per circuit: $U_i = 60\text{ V}$ The values for total voltage (U_0) of two neighbouring relay contact circuits must not exceed 60 V. The effective internal inductance and capacitance is negligible.</p>

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	-25 °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-)	2.7 W	
Reverse polarity protection (L+, L-)	Yes	
Power dissipation	max. 3.7 W (Module)	
Galvanic isolation	Power supply//bus//circuitry//outputs	
Bus interface	RS485 with screw terminals	
Displays	Status	ON, BF
	Outputs	8 x LED yellow, active
Outputs		
Power dissipation per Channel	max. 0.125 W	
Output relay	1 changeover contact max. 40 W max. 4 A	
Mechanical service life	10 million switching cycles	



Notes

Last bus module in system	Bridge A-A ^x (terminals 30, 33) Bridge B-B ^x (terminals 29, 32)
GSD file	BARX2908.gsd
Download	http://automation.bartec.de

Ordering information

PROFIBUS Interface 8 x relay out Ex i **07-7331-2308/1000**

Technical data subject to change without notice.