

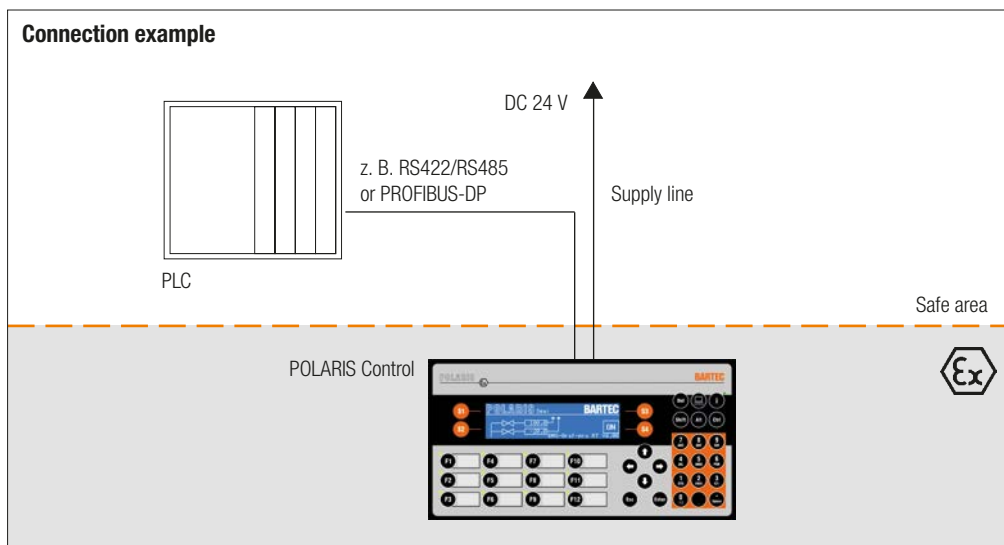
The POLARIS Control is the ideal solution for all simple applications requiring texts and small-scale graphics. For the display, an extremely conveniently readable daylight blue-colour display is utilised. With the Control, process visualisation can be directly connected in explosive areas without the need for additional intrinsically safe isolation cards. There is no need to lay blues lines for intrinsically safe circuits. A separate wiring of the data line is not necessary. The POLARIS Control can be directly connected to the PROFIBUS-DP or the communication interface of the control station. RS422/RS485 or PROFIBUS-DP are available, for example. An intrinsically safe USB interface for a USB Ex i memory stick enables the device configuration to be transferred easily. On request, the devices are also available as turn-key system solutions in a Stainless-steel enclosure for wall or floor mounting. The visualisation is created with the "BMS-Graf- pro" programming package (Version 6.xxx), which has been specially developed and optimised for this purpose.

Explosion protection

Marking ATEX Zone 1 and 21	II 2G Ex db eb q [ib] IIC T4 Gb II 2D Ex tb IIIC T120 °C Db
Certification	IBExU 05 ATEX 1117 X
Marking IECEx	Ex db eb q [ib] IIC T4 Gb Ex tb IIIC T120 °C Db
Certification	IECEx IBE 11.0007 X
Other approvals and certificates, see www.bartec.de	
Variant for Zone 2	www.bartec.de

Technical data

Construction	Front-panel fitting
Protection class	IP 65 (front) IP 54 (back)
Display	LCD display 2 colours white/blue 240 x 64 pixels Visible area approx. 133 x 40 mm Antireflection-coated glass pane Daylight display technology
Backlighting	LED technology
Keyboard (short-stroke keys)	Alphanumeric key block 4 special keys 12 function keys able to be labelled with LEDs
Interfaces (Basic version)	1 x Ex i USB for Ex i memory stick 1 x Ex e RS422/RS485
Dimensions (W x H x D)	290 mm x 151 mm x approx. 130 mm
Wall cut-out	275 mm x 131 mm + 0.5 mm
Weight	approx. 6 kg
Power supply	DC 24 V ± 10 %
Max. power consumption	$P_{max.} < 15 \text{ W}$
Admissible ambient temperatures	Storage -20 °C to +50 °C Operation 0 °C to +50 °C System solution with heating on request.
Relative air humidity	5 to 95 % non-condensing
Vibration	0.7 g/1 mm; 5 Hz to 500 Hz pulse in all 3 axes
Shock	15 g/11 ms pulse in all 3 axes
Material	Front: polyester foil on anodised aluminium plate (conditionally UV resistant) Rear panel: bichromated sheet steel



1

Ordering information

Description	Interfaces	Code no.
POLARIS Control	RS422/RS485	0
	PROFIBUS-DP*	1
	RS232	2
	TTY	3

* Download only via USB Ex i memory stick.

Complete order no. 17-71V0-000

Please insert correct code. Technical data subject to change without notice.
You will find the accessories with order details on the accessories pages.