

Polaris Smart Module

Datasheet



The Smart USB Device series is a simple and cost-efficient solution to extend the POLARIS series to include additional interface. The connection is made via the Ex e USB interface.

Explosion protection

Marking ATEX	⊕ II 2G Ex eb mb IIC T4 Gb ⊕ Ex II 2D Ex IIIC T120 °C Db
Certification	IBExU 05 ATEX 1117 X
Marking IECEx	II 2G Ex eb mb IIC T4 Gb II 2D Ex IIIC T120 °C Db
Certification	IECEx IBE 11.0007X

Other approvals and certificates, see bartec.com

Technical data

Size (H x B x T)	81 x 222 x 88 mm
Weight	approx. 1050 g
Color	black
Material	Thermoplastic

User environment

Operating temperature	-20 °C to +55 °C
Storage temperature	-20 °C to +55 °C
Relative humidity	5 % ~ 95 % (not condensing)
Protection class (IEC 60529)	IP 65
Insensitivity to ambient light	0 to 108.000 Lux (in direct sunlight)



Execution

Version	Power supply voltage/ interface input	Output (Exe)
POLARIS SMART Module USB to Ethernet and USB	Standard USB Interface 5V, U_{max} 6V	Standard USB 2.0 (max. 5.5V short-circuit proof) Ethernet (10/100 Base T), max. 5V AC/DC
POLARIS SMART Module USB to Profibus DP		BARTEC PROFIBUS-DP
POLARIS SMART Module USB to Serial		TTY, RS422/485, 2x RS232
POLARIS SMART Module USB to USB Hub	20...30 V DC Standard USB Interface 5V, U_{max} 6V	3x Standard USB 2.0 max. 5.5V / short-circuit proof

Only in conjunction with the Bartec "BMS-Graf-pro" visualization software.

Ordering information

POLARIS SMART Module USB to Ethernet and USB	17-71VZ-B030
POLARIS SMART Module USB to BARTEC Profibus DP	17-71VZ-B010
POLARIS SMART Module USB to Serial	17-71VZ-B020
POLARIS SMART Module USB to USB Hub	17-71VZ-B040

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