The universal supply module is designed for an intrinsically safe supply (barrier) and contains a safety barrier (evaluation barrier) for data lines in a potentially explosive atmosphere. The data lines can be connected directly in the potentially explosive atmosphere to non-Ex systems, for example PCs, PLCs or microprocessors. The data interface to be used can be set using dip switches. These adjustment possibilities make it easier for an existing old system to subsequently be converted and modified.

Explosion protection

Marking ATEX Zone 2/22	⟨Ex⟩ II 3G Ex ic IIC T4 Gc ⟨Ex⟩ II 3D Ex ic IIIB T135 °C Dc IP 64
Certification	EPS 16 ATEX 1113 X
Marking IECEx Zone 2/22	Ex ic IIC T4 Gc Ex ic IIIB T135 °C Dc IP 64
Certification	IECEx EPS 16.0050X
Marking CSA	Class I, II, III Div 1 Class I Div 1 Groups A, B, C and D Class II Div 1 Groups E, F Class III Class I Div 1 Class I Div 1 Groups A, B, C and D T4
Certification	applied for

Other approvals and certificates, see www.bartec.de

Technical data

Physical features	
Dimensions (H x W x D)	81 mm x 176 mm x 88 mm
Input voltage	DC 24 V, AC 85 to 250 V
Colour	black
Material	Thermoplastic
Supported interfaces	Power pack to host/max. cable length USB 5 m RS232 15 m RS422 1000 m RS485 1200 m Adjustable via dip switch
Connecting cable (Power pack to host)	Not available in scope of delivery! Please use commercially available shielded data lines to avoid outside interference

User environment	
Ambient temperature	-20 °C to +50 °C
Storage temperature	-40 °C to +70 °C
Relative air humidity	5 % to 95 %, condensing
Protection class	IP 65
Insensitivity to ambient light	0 to 108,000 lux (in direct sunlight)

Specification

Weight	380 g
Max. output voltage	5 V
Max. output current	550 mA
Max. output power	2.75 W

Ordering information

Universal supply module, corded for BCS 3608ex-NI	**B7-A2Z0-0042**
Universal supply module, Bluetooth for BCS 3678ex-NI	**B7-A2Z0-0043**

Technical data subject to change without notice.