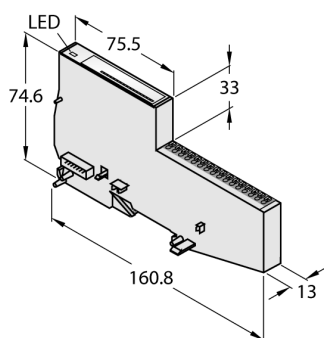


BL20 Economy Module

16 Digital Inputs, PNP

BL20-E-16DI-24VDC-P



Type	BL20-E-16DI-24VDC-P
ID	6827231
Number of channels	16
Rated voltage from the supply terminal	24 VDC
Admissible range	18...30 VDC
Nominal current from field supply	≤ 3 mA
Nominal current from module bus	≤ 32 mA
Power dissipation, typical	≤ 1.5 W
Input type	PNP
Low-level signal voltage	-30...+5 V
High level signal voltage	11...30 V
Low level signal current	-1...+1.5 mA
High level signal current	2...5 mA
Input delay	< 0.3 ms
Electrical isolation	electronics for the field level
Output connectivity	Push-in
Dimensions (W x L x H)	13 x 160.8 x 74.6 mm
Approvals	CE, cULus, zone 2, Class I, Div. 2
Ambient temperature	0...+55 °C
Storage temperature	-25...+85 °C
Relative humidity	15...95 %, no condensation allowed
Vibration test	Acc. to EN 61131
Shock test	Acc. to IEC 60068-2-27
Drop and topple	Acc. to IEC 60068-2-31
Electromagnetic compatibility	Acc. to EN 61131-2
Protection class	IP20
MTTF	784 years acc. to SN 29500 (Ed. 99) 20 °C

- Fieldbus-independent
- Electronics and connection technology in one housing
- Connectivity: Push-in terminals
- Protection class IP20
- 16 digital inputs, 24 VDC
- P switching

Functional principle

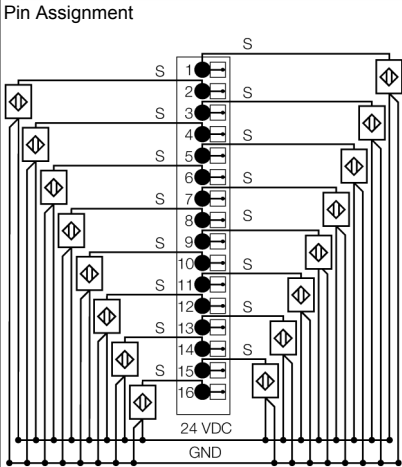
Electronics and connection technology are integrated in the housing. A base module is not needed. Economy modules and modules with separate electronics and connection technology can be fitted into a station, provided the base modules feature tension spring connections.

The use of gateways makes economy modules completely independent from the higher level fieldbus.

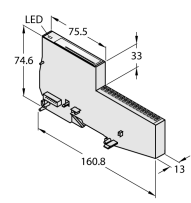
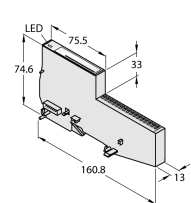
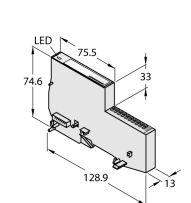
Terminal assignment



Digital Inputs



Accessories

Type code	Ident no.		Dimension drawing
BL20-E-16UL	100001337	BL20 ECO module with 16 connection terminals for wiring 24 VDC potential from the UL field supply	
BL20-E-16GNDL	100001338	BL20 ECO module with 16 connection terminals for wiring GND potential from the UL field supply	
BL20-E-10UL	100001335	BL20 ECO module with 10 connection terminals for wiring 24 VDC potential from the UL field supply	
BL20-E-10GNDL	100001336	BL20 ECO module with 10 connection terminals for wiring GND potential from the UL field supply	