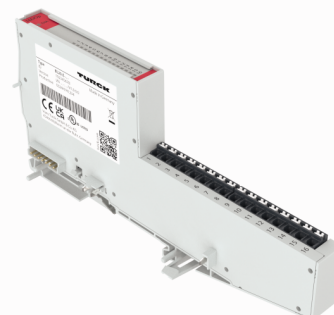
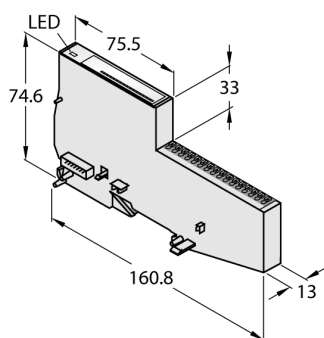


BL20 Economy Module

16 Digital Outputs, PNP, 0.5 A

BL20-E-16DO-24VDC-0.5A-P



Type	BL20-E-16DO-24VDC-0.5A-P
ID	6827230

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	≤ 25 mA
Power dissipation, typical	≤ 1.5 W

Output connectivity	Push-in
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Output type	PNP
Output voltage	24 VDC
Output current per channel	0.5 A
Output delay	0.3 ms
Load type	resistive, inductive, lamp load
Load resistance, resistive	> 48 Ω
Lamp load	< 6 W
Switching frequency, resistive	< 100 Hz
Switching frequency, lamp load	< 10 Hz
Short-circuit protection	yes
Simultaneity factor	0.5
Electrical isolation	electronics for the field level

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	631 years acc. to SN 29500 (Ed. 99) 20 °C

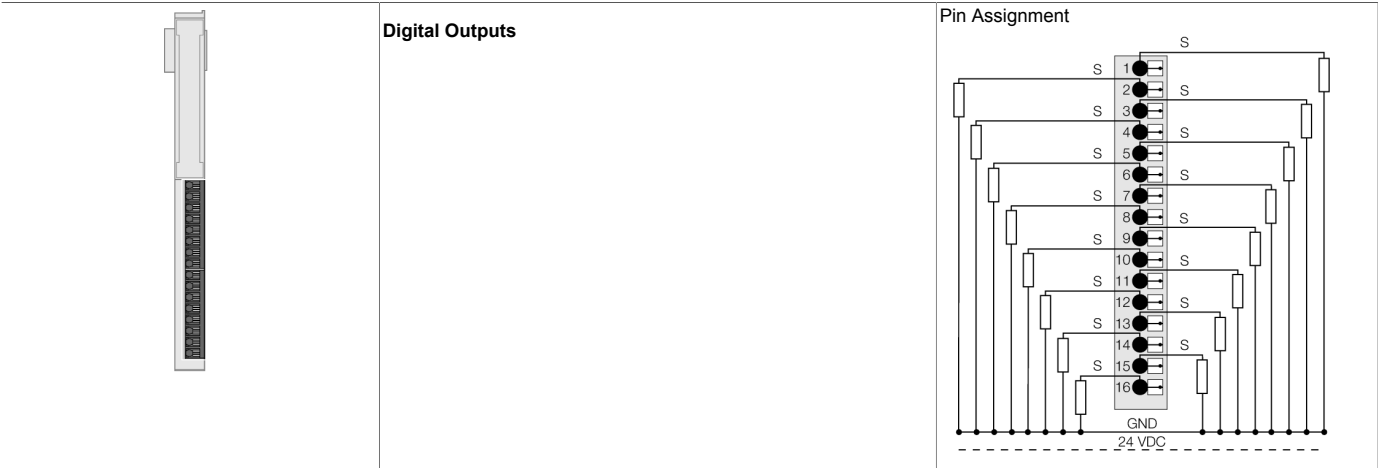
- Fieldbus-independent
- Electronics and connection technology in one housing
- Connectivity: Push-in terminals
- Protection class IP20
- 16 digital outputs, 24 VDC
- Max. 0.5 A
- P switching

Functional principle

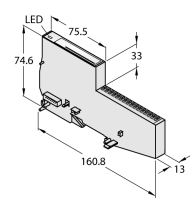
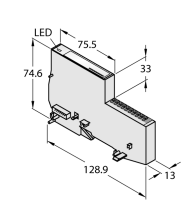
Electronics and connection technology are integrated in the housing. A base module is not needed. Economy modules and modules with separate electronics and connection technology can be fitted into a station, provided the base modules feature tension spring connections.

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

Terminal assignment



Accessories

Type code	Ident no.		Dimension drawing
BL20-E-16GNDL	100001338	BL20 ECO module with 16 connection terminals for wiring GND potential from the UL field supply	 Technical drawing of the BL20-E-16GNDL module showing dimensions: LED, 75.5, 33, 74.6, 160.8, 13.
BL20-E-10GNDL	100001336	BL20 ECO module with 10 connection terminals for wiring GND potential from the UL field supply	 Technical drawing of the BL20-E-10GNDL module showing dimensions: LED, 75.5, 33, 74.6, 128.9, 13.