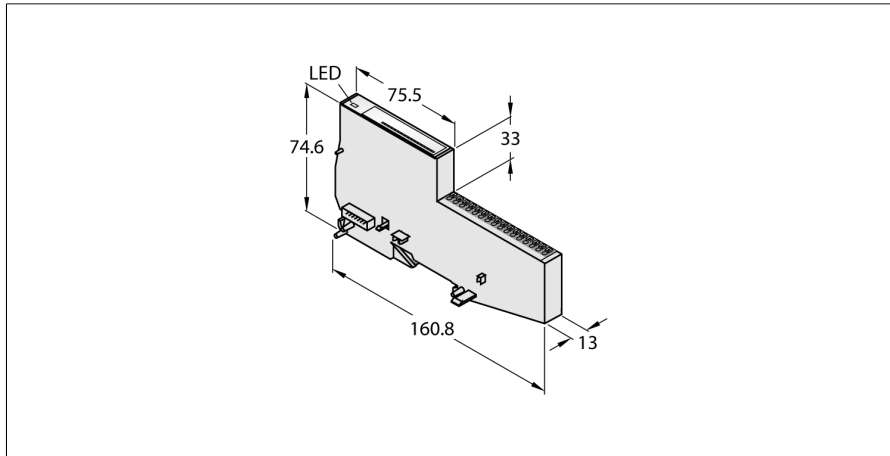


BL20 Economy Module

16 Digital Outputs, NPN, 0.5 A

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



- 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
- N 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.

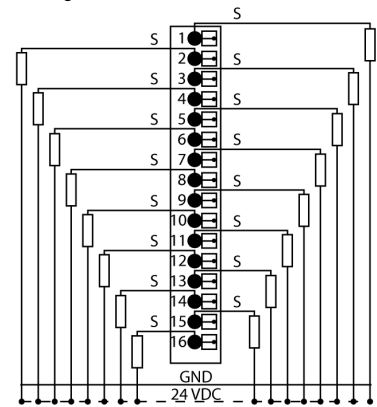
Type	BL20-E-16DO-24VDC-0.5A-N
ID	100000543
Number of channels	16
Rated voltage from the supply terminal	24 VDC
Admissible range	18...30 VDC
Nominal current from field supply	≤ 3 mA
Nominal current from module bus	≤ 25 mA
Power dissipation, typical	≤ 1.5 W
Output connectivity	Push-in
Output type	NPN
Output 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
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
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	571 years acc. to SN 29500 (Ed. 99) 20 °C

Connection Overview

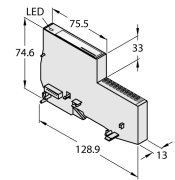
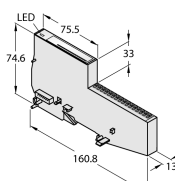


Digital Outputs

Pin Assignment



Accessories

Type code	Ident-No.		Dimension drawing
BL20-E-10UL	100001335	BL20 ECO module with 10 connection terminals for wiring 24 VDC potential from the UL field supply	 <p>Technical drawing showing the dimensions of the BL20-E-10UL module. The drawing includes the following dimensions: LED (top edge), 75.5 (width), 33 (height), 74.6 (height from base to top edge), 128.9 (length), and 13 (width of the terminal block).</p>
BL20-E-16UL	100001337	BL20 ECO module with 16 connection terminals for wiring 24 VDC potential from the UL field supply	 <p>Technical drawing showing the dimensions of the BL20-E-16UL module. The drawing includes the following dimensions: LED (top edge), 75.5 (width), 33 (height), 74.6 (height from base to top edge), 160.8 (length), and 13 (width of the terminal block).</p>