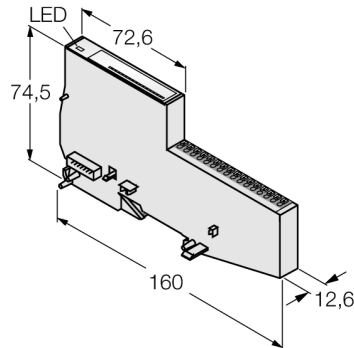


BL20 Economy Module

16 Digital Outputs

BL20-E-16DO-24VDC-0,5A-P



Functional principle

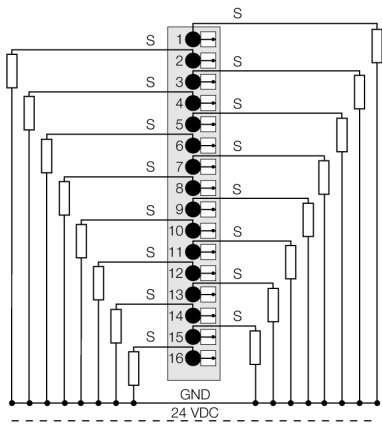
Electronics and connection technology are integrated in the housing. A base module is not needed. Economy modules and modules with separate electronics and connection technology can be fitted into a station, provided the base modules feature tension spring connections.

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

Type designation	BL20-E-16DO-24VDC-0,5A-P
Ident-No.	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
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)	12.6 x 160 x 74.6mm
Approvals	CE, cULus, zone 2, Class I, Div. 2
Operating temperature	0 to +55 °C
Storage temperature	-25...+85 °C
Relative humidity	5 to 95% (internal), Level RH-2, no condensation (at 45 °C storage)
Vibration test	acc. to EN 61131
Shock test	acc. to IEC 68-2-27
Drop and topple	acc. to IEC 68-2-31 and free fall to IEC 68-2-32
Electromagnetic compatibility	acc. to EN 50,082-2
Protection class	IP20

BL20 Economy Module
16 Digital Outputs
BL20-E-16DO-24VDC-0,5A-P

Terminal assignment

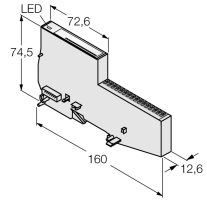
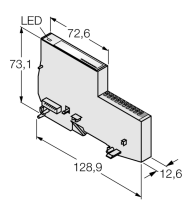
	Digital Outputs	Pin Assignment 
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BL20 Economy Module

16 Digital Outputs

BL20-E-16DO-24VDC-0,5A-P

Accessories

Type code	Ident-No.	Description	Dimension drawing
BL20-E-16GNDL	100001338	BL20 ECO module with 16 connection terminals for wiring GND potential from the UL field supply	 Isometric view of the BL20-E-16GNDL module. Dimensions: LED indicator height 74.5, module width 72.6, total length 160, and terminal block width 12.6.
BL20-E-10GNDL	100001336	BL20 ECO module with 10 connection terminals for wiring GND potential from the UL field supply	 Isometric view of the BL20-E-10GNDL module. Dimensions: LED indicator height 73.1, module width 72.6, total length 128.9, and terminal block width 12.6.