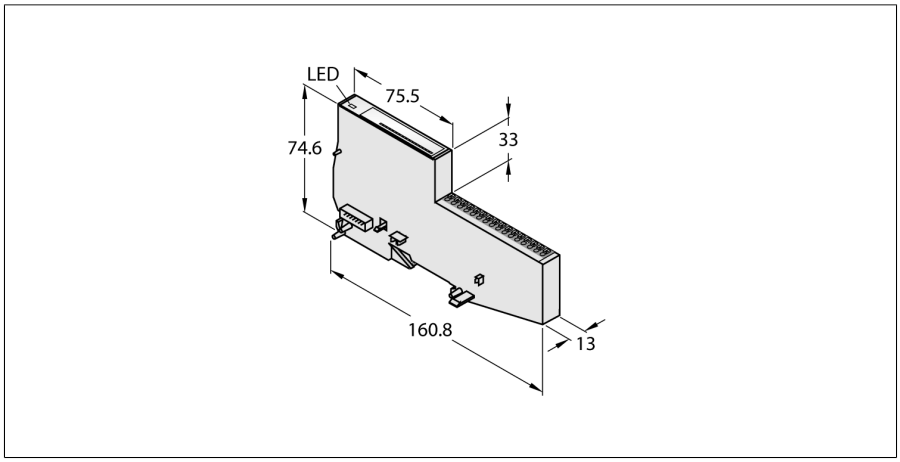
BL20 Economy Module
4 Analog Outputs for Current/Voltage
BL20-E-4AO-U/I



- Fieldbus-independent
- Electronics and connection technology in one housing
- Connectivity: Push-in terminals
- Protection class IP20
- LEDs indicate status and diagnostic
- Electronics galvanically separated from the field level via optocouplers
- 4 analog outputs
- 0 … 20 mA, 4 … 20 mA, -10 … +10 VDC or 0 … +10 VDC,
- Selectable per channel

Type	BL20-E-4AO-U/I
ID	6827328
Number of channels	4
Rated voltage from the supply terminal	24 VDC
Admissible range	18…30 VDC
Nominal current from field supply	≤ 130 mA
Nominal current from module bus	≤ 50 mA
Power dissipation, typical	≤ 2.6 W
Output connectivity	Push-in
Outputs	
Output type	0/4…20 mA or -10/0…+10 VDC
Load resistance, resistive	< 0.45 kΩ (current) or > 1 kΩ (voltage)
Load resistance, inductive	< 0.01 mH (voltage mode)
Load resistance, capacitive	< 1 µF (current mode)
Electrical isolation	electronics for the field level
Basic fault limit at 23 °C	< 0.2 %
Temperature coefficient	< 200 ppm/°C of full scale
Resolution	16 Bit
Measured-value display	16 bit signed integer
	Presentation: 16 bit signed integer
	Presentation: 12 bit left-justified
Cycle time	≤ 50 ms
Number of diagnostics bytes	4
Number of parameter bytes	12

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.

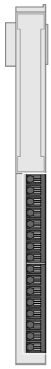
The use of gateways makes economy modules completely independent from the higher level fieldbus.

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Dimensions (W x L x H)	13 x 160.8 x 74.6 mm
Approvals	CE, Zone2, ClassI,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	331 years acc. to SN 29500 (Ed. 99) 20 °C

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Terminal assignment



Analog Outputs

Pin Assignment

