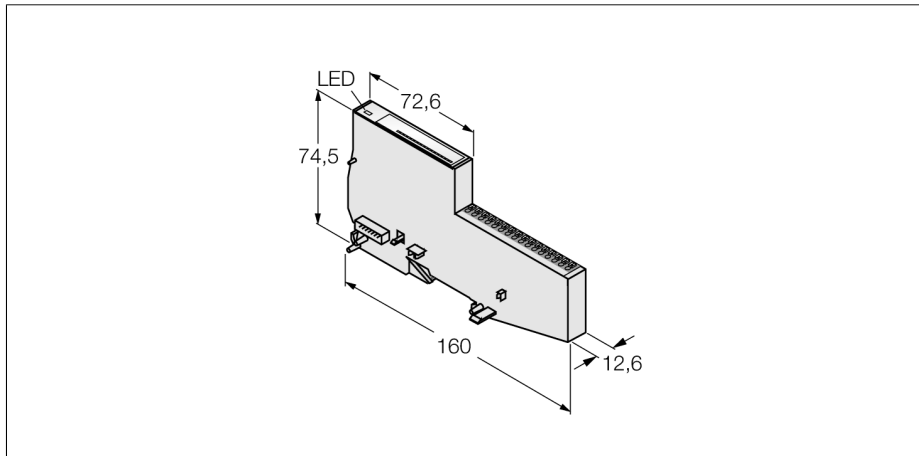
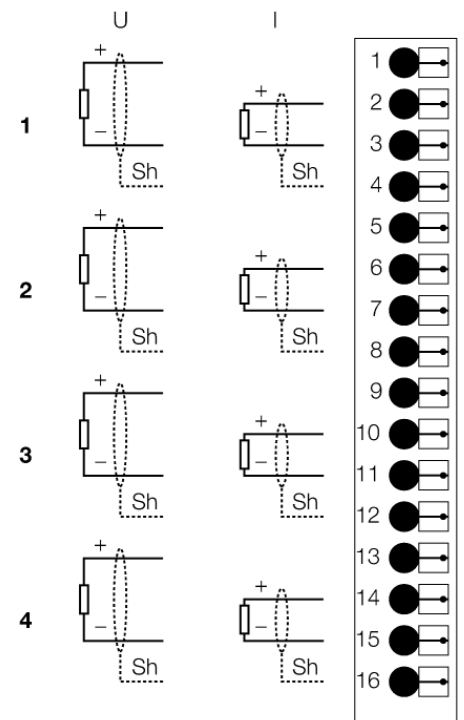


BL20 Economy Module
4 analog outputs for current/voltage
BL20-E-4AO-U/I

- Fieldbus-independent
- Electronics and connection technology in one housing
- Push-in clamps
- 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...+10VDC or 0...+10VDC,
- Selectable per channel



Type	BL20-E-4AO-U/I
Ident-No.	6827328
Number of channels	4-channel
Rated voltage from the supply terminal	24 VDC
Supply voltage	24 VDC
Admissible range	18...30 VDC
Rated current from field supply	≤ 130 mA
Rated current from module bus	≤ 50 mA
Power loss, typical	≤ 2.6 W
Connection technology	push-in
Outputs	
Output type	0/4...20 mA or -10/0...+10 V DC
Load resistance, resistive	< 0.45 (current) or > 1 (voltage) kΩ
Load resistance, inductive	< 0.01 (voltage) mH
Load resistance, capacitive	< 1 (current) μF
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 16 bit signed integer 12 bit left-justified
Cycle time	≤ 50 ms
Number of diagnostics bytes	4
Number of parameter bytes	12
Dimensions (W x L x H)	12.6x160x74.6mm
Approvals	CE, Zone2, Class1, Div.2.
Operating temperature	0 ... +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
Electro-magnetic compatibility	acc. to EN 50,082-2
Protection class	IP20



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.