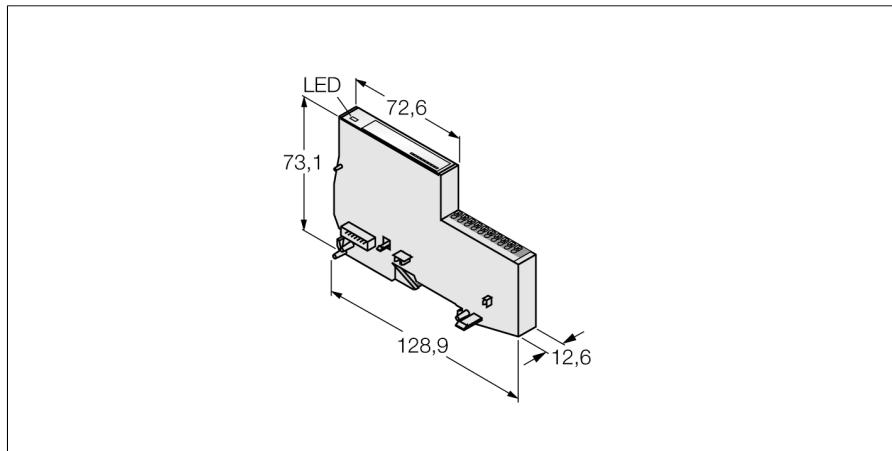


BL20 Economy Module

4 Analog Thermocouple Inputs

BL20-E-4AI-TC



Functional principle

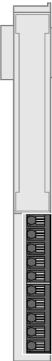
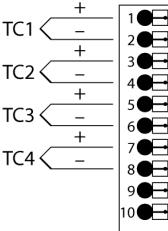
Electronics and connection technology are integrated in the housing. A base module is not needed. Economy modules and modules with separate electronics and connection technology can be fitted into a station, provided the base modules feature tension spring connections.

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

Type designation	BL20-E-4AI-TC
Ident-No.	6827367
Number of channels	4
Rated voltage from the supply terminal	24 VDC
Nominal current from field supply	≤ 30 mA
Nominal current from module bus	≤ 50 mA
Power dissipation, typical	≤ 1 W
Inputs	
Input type	types B, C, E, G, J, K, N, R, S, T
Input resistance	> 7 MΩ
Electrical isolation	electronics for the field level
Output connectivity	Push-in
Voltage resolution	
± 50 mV: < 2 µV	
± 100 mV: < 4 µV	
± 500 mV: < 20 µV	
± 1000 mV: < 50 µV	
Maximum limiting frequency analog	70 Hz
Basic fault limit at 23 °C	< 0.2 %
Repeatability	0.05 %
Temperature coefficient	< 150 ppm / °C of full scale
Resolution	16 Bit
Measured-value display	16 bit signed integer 12 bit full range left-justified
Dimensions (W x L x H)	12.6 x 128.6 x 74.6mm
Approvals	CE
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
4 Analog Thermocouple Inputs
BL20-E-4AI-TC

Terminal assignment

	Thermocouple Inputs	
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