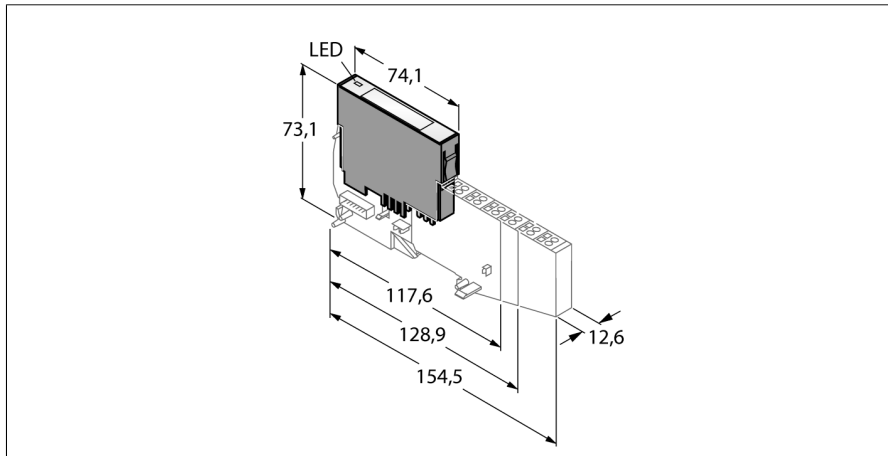


BL20 electronic module

2 Analog Outputs

BL20-2AO-I(0/4...20MA)



Functional principle

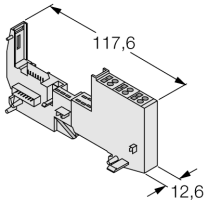
BL20 electronic modules are plugged into the purely passive base modules which are used for connection of field devices. Maintenance is significantly facilitated due to separation of the connection level from the module electronics. Furthermore flexibility is enhanced because the base modules provide a choice of tension spring or screw connection technology.

The electronic modules are completely independent of the type of higher level field bus through the use of gateways.

Type designation	BL20-2AO-I(0/4...20MA)
Ident-No.	6827034
Number of channels	2
Rated voltage from the supply terminal	24 VDC
Nominal current from field supply	≤ 50 mA
Nominal current from module bus	≤ 40 mA
Power dissipation, typical	≤ 1 W
Output connectivity	Screw, tension spring
Outputs	
Output type	0/4...20 mA
Load resistance, resistive	< 0.45 kΩ
Load resistance, inductive	< 1 mH
Electrical isolation	electronics for the field level
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
Cycle time	12 bit full range left-justified
	≤ 10 ms
Number of parameter bytes	6
Dimensions (W x L x H)	12.6 x 74.1 x 55.4mm
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 electronic module
2 Analog Outputs
BL20-2AO-I(0/4...20MA)

Compatible base modules

Dimension drawing	Type	Pin configuration
	BL20-S3T-SBB 6827044 Tension spring connection BL20-S3S-SBB 6827045 Screw connection	Wiring Diagram 