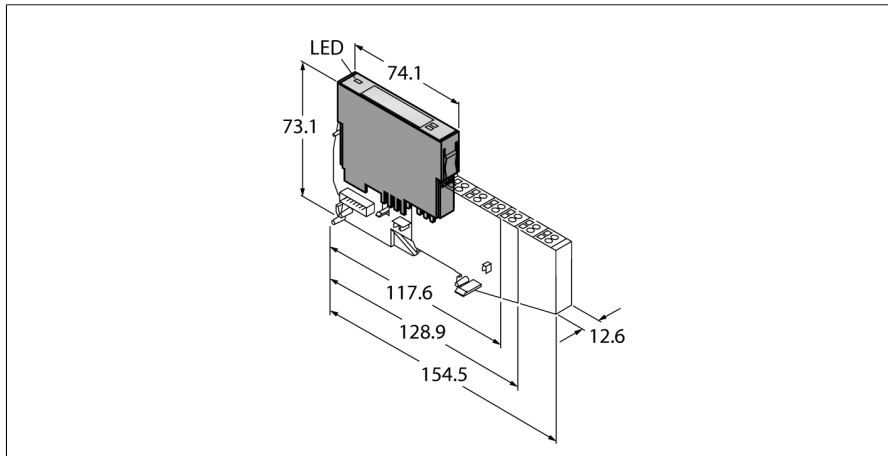


BL20 electronic module

2 digital inputs

BL20-2DI-120/230VAC



Functional principle

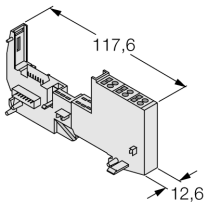
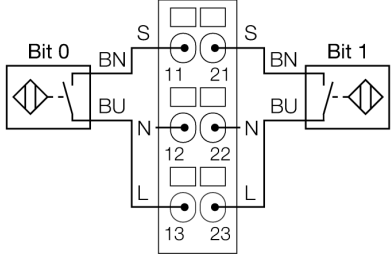
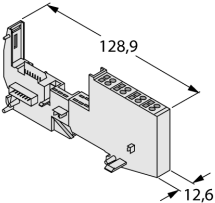
BL20 electronic modules are plugged into the purely passive base modules which are used for connection of field devices. Maintenance is significantly facilitated due to separation of the connection level from the module electronics. Furthermore flexibility is enhanced because the base modules provide 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	BL20-2DI-120/230VAC
Ident-No.	6827011
Number of channels	2
Rated voltage from the supply terminal	120 / 230 VAC
Nominal current from field supply	≤ 20 mA
Nominal current from module bus	≤ 28 mA
Power dissipation, typical	≤ 1 W
Inputs	
Low level signal voltage	0...20 VAC
High level signal voltage	79...265 VAC
Frequency range	47.5...63 Hz
Low level signal current	0...1 mA
High level signal current	3...10 mA
Input delay	< 20 ms
Electrical isolation	electronics for the field level
Output connectivity	Screw, tension spring
Dimensions (W x L x H)	12.6 x 74.1 x 55.4mm
Approvals	CE, cULus
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 digital inputs
BL20-2DI-120/230VAC

Compatible base modules

Dimension drawing	Type	Pin configuration
	BL20-S3T-SBB 6827044 Tension spring connection BL20-S3S-SBB 6827045 Screw connection	Wiring Diagram 
	BL20-S4T-SBBC 6827050 Tension spring connection, access to C rail BL20-S4S-SBBC 6827051 Screw connection, access to C rail	Wiring Diagram 