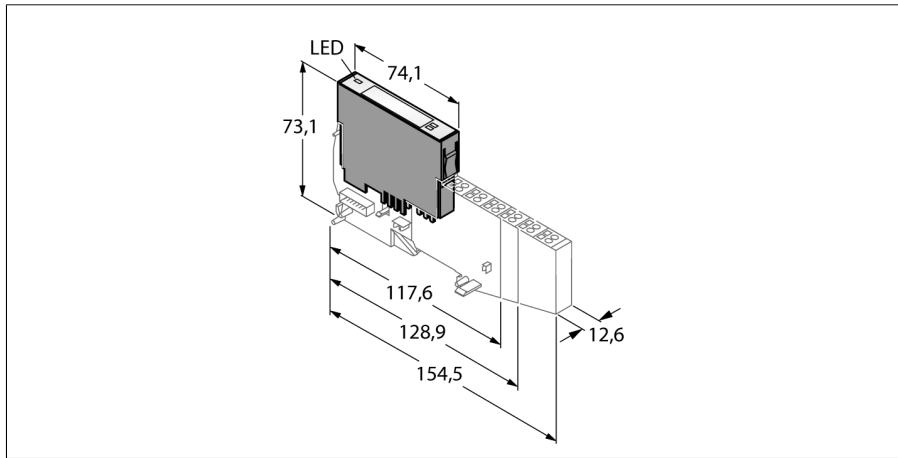


**BL20 electronic module**  
**2 digital inputs**  
**BL20-2DI-24VDC-P**



- Fieldbus and connection technology independent
- Protection class IP20
- LEDs indicate status and diagnostic
- Electronics galvanically separated from the field level via optocouplers
- 2 digital inputs, 24 VDC
- PNP switching

**Functional principle**

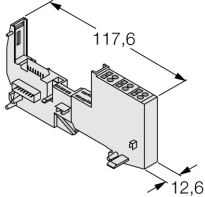
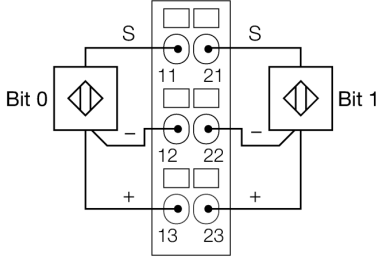
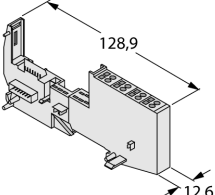
BL20 electronic modules are plugged into the purely passive base modules which are used for connection of field devices. Maintenance is significantly facilitated due to separation of the connection level from the module electronics. Furthermore flexibility is enhanced because the base modules provide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

<b>Type designation</b>	BL20-2DI-24VDC-P
Ident no.	6827009
<b>Number of channels</b>	2
Rated voltage from the supply terminal	24 VDC
Nominal current from field supply	≤ 20 mA
Nominal current from module bus	≤ 28 mA
Power dissipation, typical	≤ 0.7 W
<b>Inputs</b>	
Input type	pnp
Low level signal voltage	-30...+5 V
High level signal voltage	15...30 V
Low level signal current	0...1.5 mA
High level signal current	2...10 mA
Input delay	< 0.2 ms
Potential separation	electronics for the field level
Connection technology	screw, tension spring
<b>Dimensions (W x L x H)</b>	12.6 x 74.1 x 55.4mm
Approvals	CE, cULus, zone 2, Class I, 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

**BL20 electronic module**  
**2 digital inputs**  
**BL20-2DI-24VDC-P**

**Compatible base modules**

	Type	Pin configuration
	<p><b>BL20-S3T-SBB</b> 6827044 tension spring connection</p> <p><b>BL20-S3S-SBB</b> 6827045 screw connection</p>	<p>Wiring Diagram</p> 
	<p><b>BL20-S4T-SBBC</b> 6827050 tension spring connection, access to C rail</p> <p><b>BL20-S4S-SBBC</b> 6827051 screw connection, access to C rail</p>	<p>Wiring Diagram</p> 