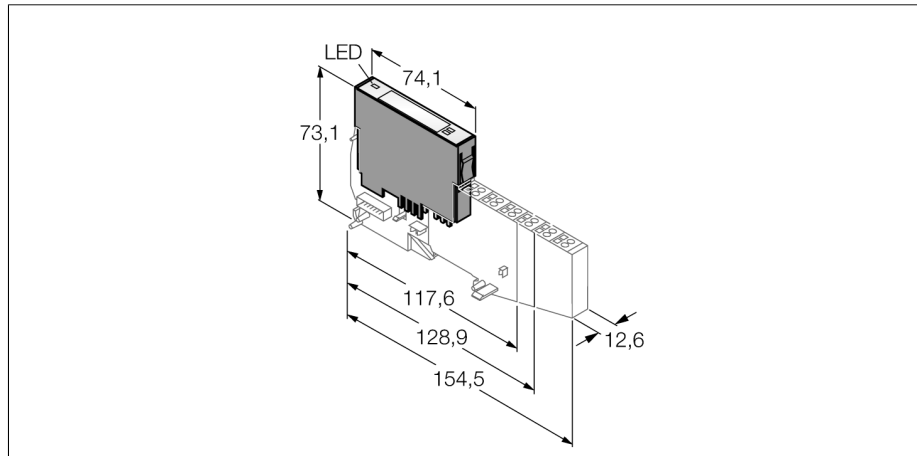


BL20 electronic module
2 digital outputs
BL20-2DO-120/230VAC-0.5A

TURCK

Industrial
Automation



- Fieldbus and connection technology independent
- Protection class IP20
- LEDs indicate status and diagnostic
- Electronics galvanically separated from the field level via optocouplers
- 2 digital outputs, 120/230 VAC
- Max. 0.5 A

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.

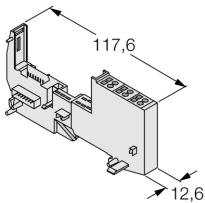
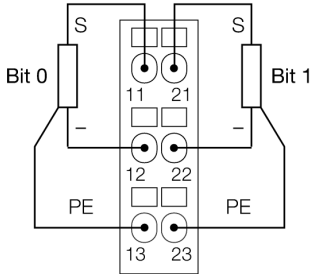
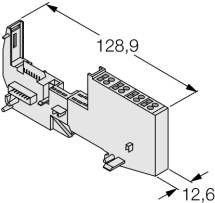
Type	BL20-2DO-120/230VAC-0.5A
Ident-No.	6827137
Number of channels	2
Rated voltage from the supply terminal	120 / 230 VAC
Supply voltage	120/230 VAC
Rated current from field supply	≤ 20 mA
Rated current from module bus	≤ 35 mA
Power loss, typical	≤ 1 W
Connection technology	Screw, tension spring
Outputs	
Output voltage	120 / 230 VAC
Output current per channel	0.5 A
Output delay	0.1 ms
Load type	resistive, inductive, lamp load
Load resistance, resistive	> 48 Ω
Load resistance, inductive	< 1.2 H
Short-circuit protection	yes
Simultaneity factor	1
Electrical isolation	electronics for the field level
Number of diagnostic bits	2
Dimensions (W x L x H)	12.6x74.1x55.4mm
Approvals	CE, cULus
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 outputs

BL20-2DO-120/230VAC-0.5A

Compatible base modules

Dimension drawing	Type	Pin configuration
	BL20-S3T-SBC 6827058 tension spring connection, access to C rail BL20-S3S-SBC 6827059 screw connection, access to C rail	Wiring diagram 
	BL20-S4T-SBCS 6827063 tension spring connection, access to C rail BL20-S4S-SBCS 6827060 screw connection, access to C rail	Wiring diagram 