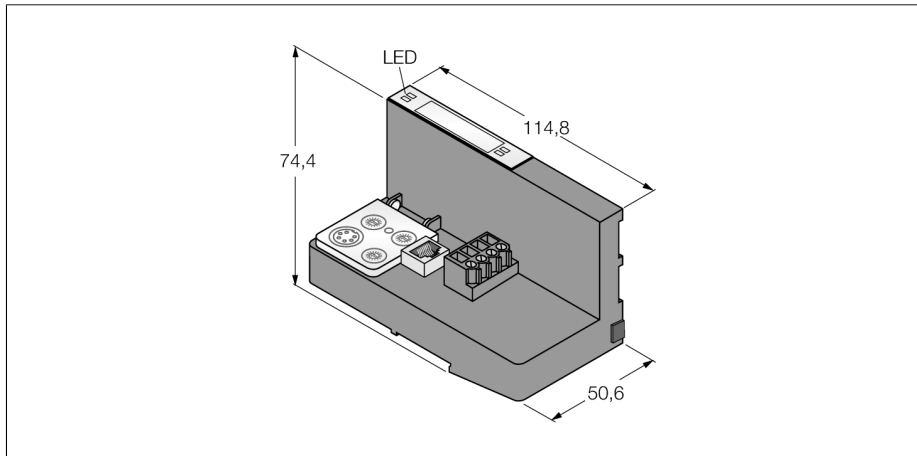
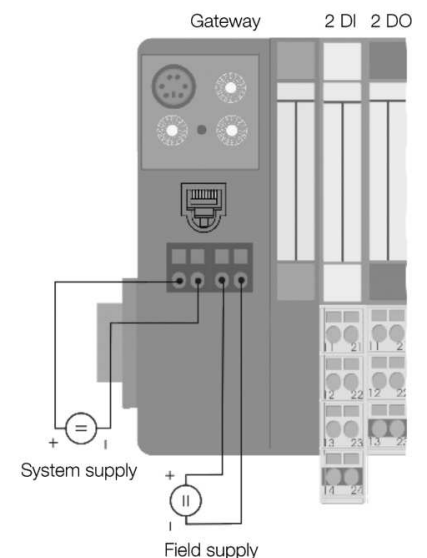


**Programmable gateway for the BL20 I/O system
interface for EtherNet/IP supply inclusive
BL20-PG-EN-IP**

- CoDeSys-programmable acc. to IEC 61131-3
- Ethernet and RS232 programming interface
- 512 kbyte program memory
- 32 bit RISC processor
- < 1 ms for 1000 commands
- 3 decimal rotary coding switches
- Protection class IP20
- Integrated power supply
- LEDs for display of supply voltage, group and bus errors
- Interface for EtherNet/IP
- 10/100 Mbps



Field supply/system supply



Functional principle

The programmable BL20 gateways can be used as an autonomous PLC or as a decentral PLC in a network interconnection for fast signal preprocessing.

BL20 gateways are the head component of a BL20 station. The BL20 extension modules communicate over the internal module bus with the gateway and can be configured independently of the fieldbus protocol.

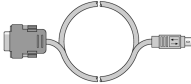
Type	BL20-PG-EN-IP
Ident-No.	6827248
Supply voltage	24VDC
System power supply	24 VDC / 5 VDC
Admissible range	18...30 VDC
Rated current from module bus	≤ 500 mA
Max. field supply current	10 A
Max. system supply current	1.2 A
Voltage supply connection	screw connection
Fieldbus transmission rate	10/100 Mbps
Fieldbus addressing	rotary switch, BOOTP, DHCP, IO-ASSISTANT
Fieldbus connection technology	RJ45 socket
PLC data	
Programming	CoDeSys V2.3
Released for CoDeSys version	V 2.3.6.4
Programming languages	IEC 61131-3 (IL, LD, FBD, SFC, ST)
Application tasks	1
Number of POU's	1024
Programming interface	RS232 interface, Ethernet
Processor	RISC, 32 bit
Cycle time	< 1 ms for 1000 IL commands (without I/O cycle)
Program memory	512 kByte
Data memory	512 kByte
Input data	4 kByte
Output data	4 kByte
Non-volatile memory	16 kByte
Service interface	PS/2 socket for I/O-ASSISTANT
Dimensions (W x L x H)	50.6x114.8x74.4mm
Approvals	CE, cULus, zone2, ClassI, 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
Included in scope of supply	2 x end brackets BL20-WEW-35/2-SW, 1 x end plate BL20-ABPL

**Programmable gateway for the BL20 I/O system
interface for EtherNet/IP supply inclusive
BL20-PG-EN-IP**

TURCK

Industrial
Automation

Wiring accessories

Type code	Ident-No.	Description	Dimension drawing
I/O-ASSISTANT-KA-BEL-BL20/BL67	6827133	RS232 adapter cable for the BL67/BL20 service interface	
BS3511/KLBUE4-31.5	6827342	Shield terminal and strain relief for bus cable	