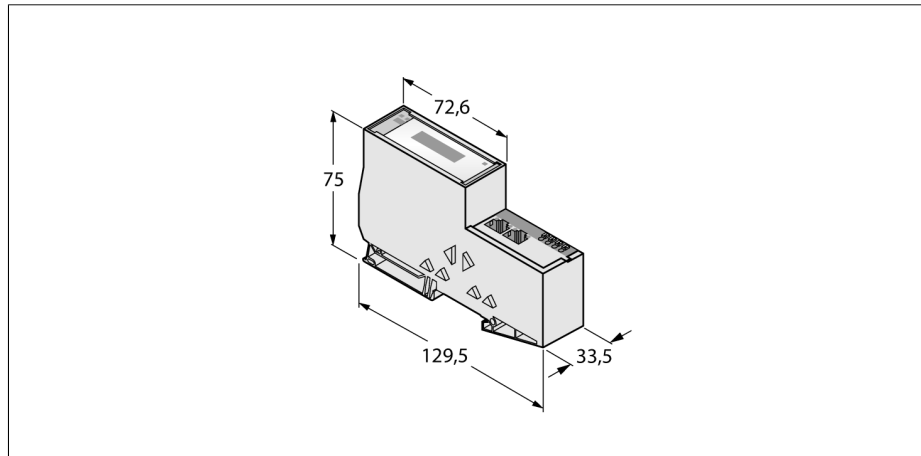


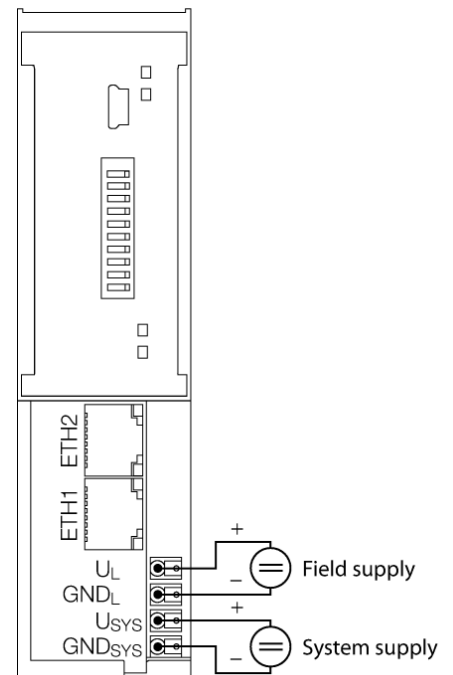
**Gateway for BL20 I/O system
multiprotocol interface for Ethernet
BL20-E-GW-EN**



- Protection class IP20
- 2 x end brackets BL20-WEW35/2-SW
- 1 x end plate BL20-ABPL
- LEDs for display of supply voltage, group and bus errors
- Multiprotocol interface between the BL20 system and the Ethernet protocols Modbus TCP and EtherNet/IP™ and PROFINET (from VN 03-00)
- PROFINET supports fast start-up (FSU)
- EtherNet/IP™ supports QuickConnect (QC)
- Integrated switch 10/100 Mbps
- Two RJ45 males for fieldbus connection
- Push-in clamps for connection of power supply

Type	BL20-E-GW-EN
Ident-No.	6827329
<hr/>	
Supply voltage	24VDC
System power supply	24 VDC / 5 VDC
Field supply	24 VDC
Admissible range	18...30 VDC
Rated current from module bus	≤ 200 mA
Max. field supply current	8 A
Max. system supply current	0.4 A
Voltage supply connection	Push-in clamps
<hr/>	
System data	
Max. number of I/O modules	31
Transmission rate	10/100 Mbps; Full/Half Duplex; Auto Negotiation; Auto Crossing
Connection technology Ethernet	2 x RJ45, female
Protocol detection	automatic
Web server	in preparation
Service interface	Mini USB, Ethernet
<hr/>	
Modbus TCP	
Addressing	Static IP, BOOTP, DHCP
Supported function codes	FC1, FC2, FC3, FC4, FC5, FC6, FC15, FC16, FC23
Simultaneous CIP connections	8
Input Data Size	max. 1024 register
Input register start address	0
Output Data Size	max. 1024 register
Output register start address	2048 (0x0800 hex)
<hr/>	
EtherNet/IP™	(available Q1/2013)
Addressing	acc. to EtherNet/IP™ specification
Device Level Ring (DLR)	supported
Simultaneous CIP connections	8
<hr/>	
PROFINET	(available Q1/2013)
Addressing	DCP
Conformance Class	B (RT)
MinCycleTime	1 ms
Diagnostics	acc. to PROFINET Alarm Handling
Topology detection	supported
Automatic addressing	supported

Field supply/system supply



Functional principle

BL20 gateways are the head component of a BL20 station. They are designed to interface the modular fieldbus nodes to the higher level fieldbus (PROFIBUS-DP, DeviceNet, CANopen, Ethernet).

All BL20 electronic modules communicate over the internal module bus, the data of which is transferred to the fieldbus via the gateway, so that all I/O modules can be configured independently of the bus system.

Gateway for BL20 I/O system multiprotocol interface for Ethernet BL20-E-GW-EN

TURCK

Industrial
Automation

Dimensions (W x L x H)	33.5x129.5x74.4mm
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
------------------------------------	--