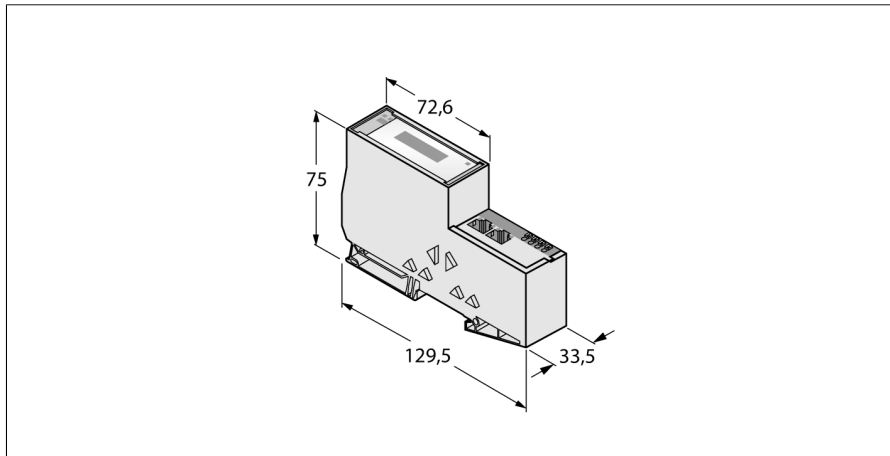


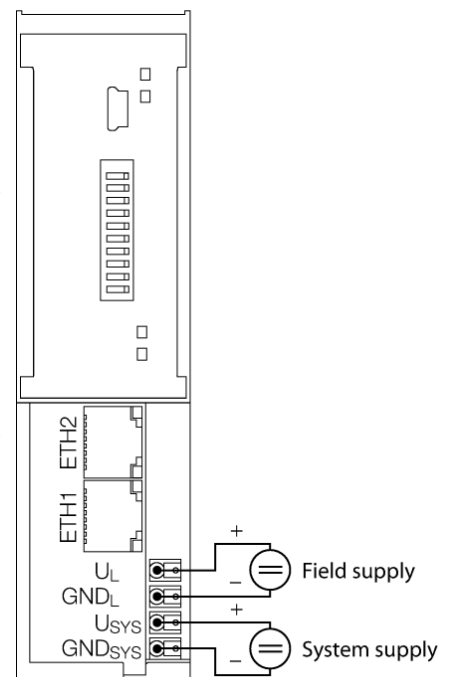
**Gateway for BL20 I/O system
multiprotocol interface for Ethernet
BL20-E-GW-EN**



- 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
Supply voltage	
System power supply	24VDC
Field supply	24 VDC / 5 VDC
Admissible range	24 VDC
Rated current from module bus	18...30 VDC
Max. field supply current	≤ 200 mA
Max. system supply current	8 A
Voltage supply connection	0.4 A
	Push-in clamps
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
Modbus TCP	
Addressing	Static IP, BOOTP, DHCP
Supported function codes	FC1, FC2, FC3, FC4, FC5, FC6, FC15, FC16, FC23
Simultaneous CIP connections	8
Number of input data (PAE)	max. 1024 register
Input register start address	0
Number of output data (PAA)	max. 1024 register
Output register start address	2048 (0x0800 hex)
EtherNet/IP™	
Addressing	(available Q1/2013)
Device Level Ring (DLR)	acc. to EtherNet/IP™ specification
Simultaneous CIP connections	supported
PROFINET	
Addressing	(available Q1/2013)
Conformance Class	DCP
MinCycleTime	B (RT)
Diagnostics	1 ms
Topology detection	acc. to PROFINET Alarm Handling
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

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Dimensions (W x L x H)	33.5x129.5x74.4mm
Approvals	CE, cULus, zone2, ClassI,div.2.
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
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
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