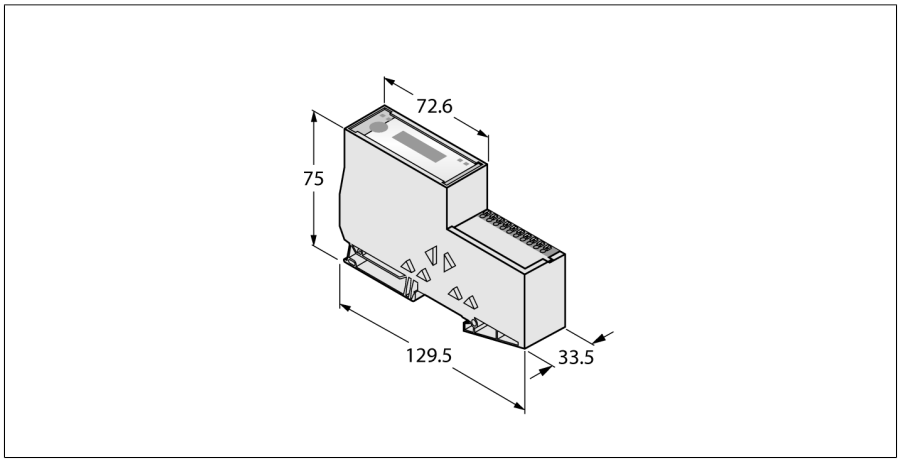
Gateway for the BL20 I/O System Interface for PROFIBUS-DP BL20-E-GW-DP



- DIP switch for adjustment of the node address
- Protection class IP20
- 2 x end brackets BL20-WEW35/2-SW
- 1 x end plate BL20-ABPL
- Integrated power supply
- LEDs for display of supply voltage, group and bus errors
- Gateway between the BL20 system and PROFIBUS-DPV0/DPV1
- 12 Mbps
- Push-in clamps
- Bus termination resistor switchable via DIP switch

Type	BL20-E-GW-DP
ID	6827250
Supply voltage	24 VDC
System power supply	24 VDC / 5 VDC
Field supply	24 VDC
Admissible range	18…30 VDC
Nominal current from module bus	≤ 400 mA
Max. field supply current	8 A
Max. system supply current	1 A
Voltage supply connection	Push-in terminals
Fieldbus transmission rate	9.6 kbps …12 Mbps
Fieldbus addressing	via DIP switch
Fieldbus address range	1...126
Fieldbus connection technology	Push-in clamps
Fieldbus termination	via DIP switch
Max. number of I/O modules	48
Service interface	PS/2 socket
Number of diagnostics bytes	3
Number of parameter bytes	5
Dimensions (W x L x H)	33.5 x 129.5 x 74.4 mm
Approvals	CE, cULus, zone 2, Class I, Div. 2
Ambient temperature	0…+55 °C
Storage temperature	-25…+85 °C
Relative humidity	15…95 %, no condensation allowed
Vibration test	Acc. to EN 61131
Shock test	Acc. to IEC 60068-2-27
Drop and topple	Acc. to IEC 60068-2-31
Electromagnetic compatibility	Acc. to EN 61131-2
Protection class	IP20
MTTF	351 years acc. to SN 29500 (Ed. 99) 20 °C
Included in delivery	2 x end brackets BL20-WEW-35/2-SW, 1 x end plate BL20-ABPL

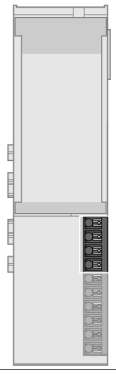
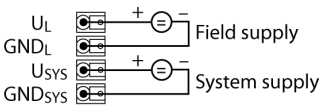
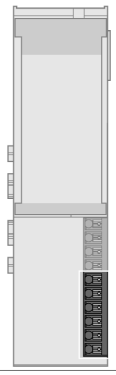
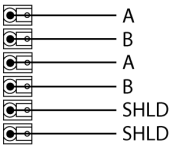
Functional principle

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.

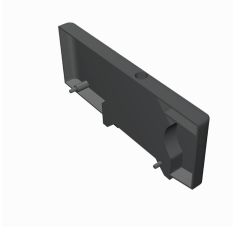
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Anschlussübersicht

	**Power Supply** The U_{SYS} system supply feeds power to the gateway and the I/O modules. The U_L field supply feeds power to the sensors and actuators.	Pin Assignment 
	**PROFIBUS-DP** Fieldbus cable (example): D9T451-2M (ident no. 6915759) or RSSW-451-2M (ident no. 6914229)	Pin Assignment 

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Accessories

Type code	Ident-No.		Dimension drawing
BL20-ABPL (2 PCS.)	6827123	End plate for a BL20 station after the last I/O module (2 pieces)	
BL20-WEW-35/2-SW (10 PCS.)	6827124	End bracket for fixation of a BL20 station (10 pieces)	

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