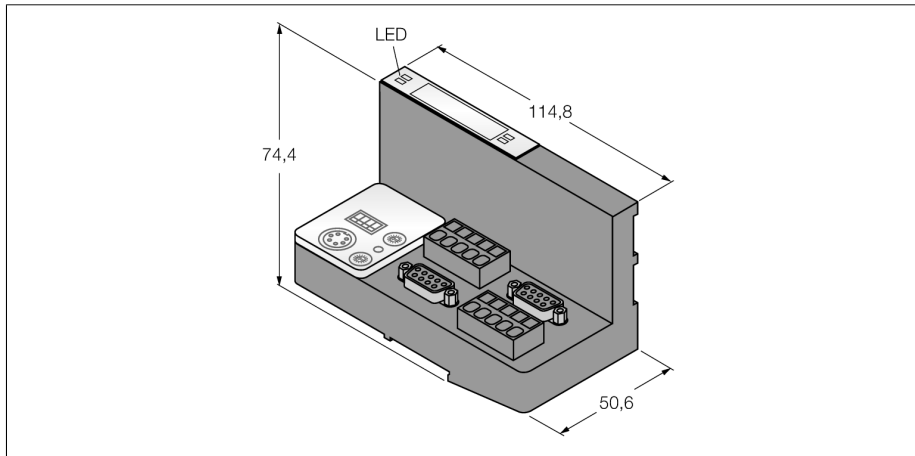


gateway for BL20 I/O system
interface for PROFIBUS-DP
BL20-GW-PBDP-1.5MB-S

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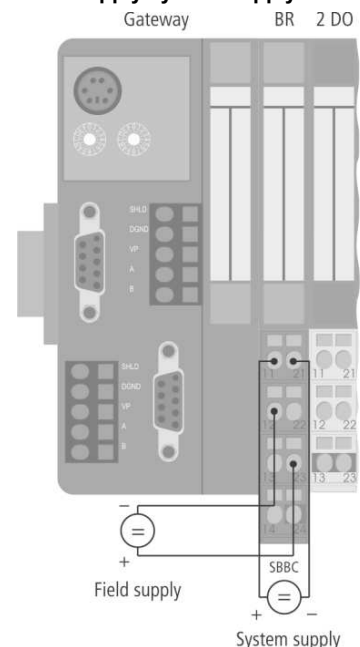
Industrial
Automation



- Rotary coding switch to adjust the node address
- 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
- Interface between the BL20 system and PROFIBUS-DPV0/DPV1
- 1.5 Mbps
- Connected via 9-pin, D-coded females or directly via screw connection

Type	BL20-GW-PBDP-1.5MB-S
Ident-No.	6827001
Supply voltage	via BR module
Rated current from module bus	≤ 430 mA
Fieldbus transmission rate	9.6 kbps ... 12 Mbps
Fieldbus addressing	2 rotary switches
Fieldbus addressing range	1...125
Fieldbus connection technology	2 x female sub-D connectors; 2 x screw connections
Fieldbus termination	external
Service interface	PS/2 socket for I/O-ASSISTANT
Number of diagnostics bytes	3
Number of parameter bytes	5
Dimensions (W x L x H)	50.6x114.8x74.4mm
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

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).

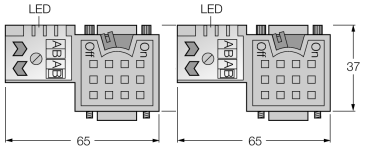
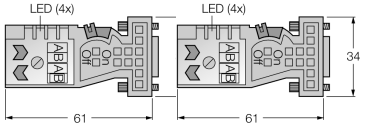
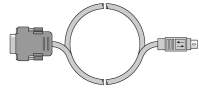
All BL20 electronic modules communicate via the internal module bus, the data of which is transferred to the fieldbus via the gateway. All I/O modules can thus be configured independently of the bus system.

gateway for BL20 I/O system
interface for PROFIBUS-DP
BL20-GW-PBDP-1.5MB-S

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Industrial
Automation

Wiring accessories

Type code	Ident-No.	Description	Dimension drawing
FW-D9TLEDKU9PG-W-FC-ME-SH-8,5	6604220	9-pole Sub-D - connector for PROFIBUS-DP, all-metal, 90°	
FW-D9TLEDKU9XX-G-FC-ME-SH-8,5	6604221	9-pole Sub-D - connector for PROFIBUS-DP, all-metal, 0°	
I/O-ASSISTANT-KABEL-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	