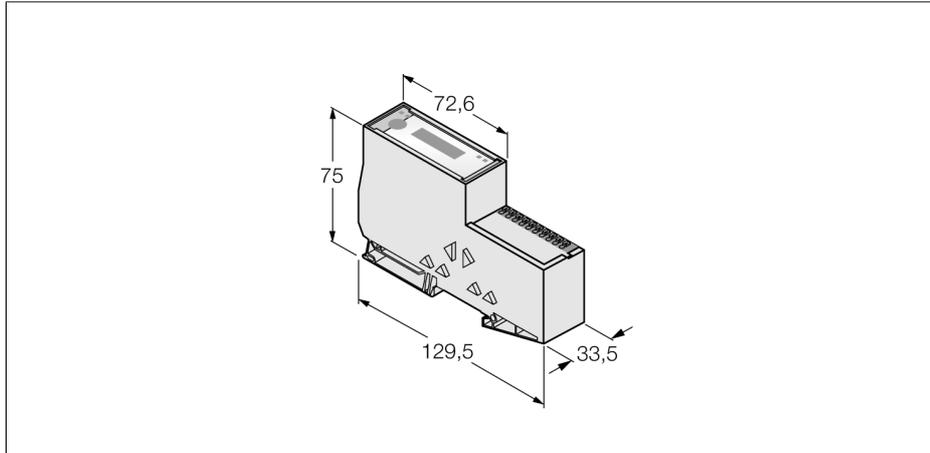


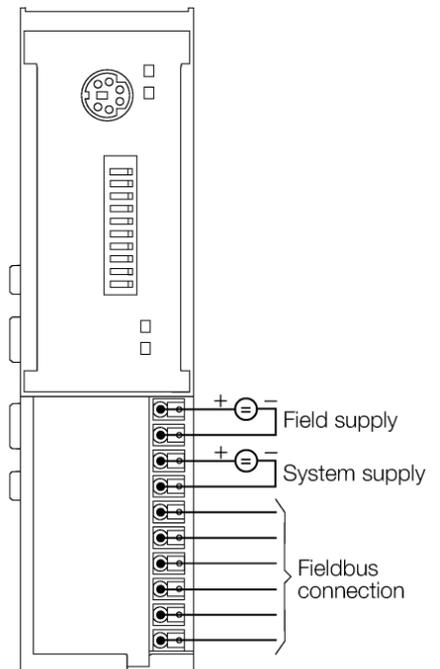
gateway for BL20 I/O system
Interface for CANopen
BL20-E-GW-CO

- 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
- with integrated supply
- LEDs for display of supply voltage, common alarm and bus errors
- Interface between the BL20 system and CANopen
- 1 Mbps
- Push-in clamps



| | |
|------------------------------------|---|
| Type | BL20-E-GW-CO |
| Ident-No. | 6827252 |
| <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 | ≤ 350 mA |
| Max. field supply current | 10 A |
| Max. system supply current | 0.7 A |
| Voltage supply connection | Push-in clamps |
| <hr/> | |
| Fieldbus transmission rate | 20 kbps ... 1 mbps |
| Fieldbus addressing | per DIP switch |
| Fieldbus addressing range | 1...63 |
| Service interface | PS/2 socket for I/O-ASSISTANT |
| Fieldbus connection technology | Push-in clamps |
| Fieldbus termination | per DIP switch |
| <hr/> | |
| 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 to +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 |
| <hr/> | |
| Included in scope of supply | 2 x end brackets BL20-WEW-35/2-SW, 1 x end plate BL20-ABPL |

Field supply/system supply



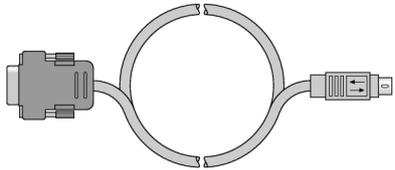
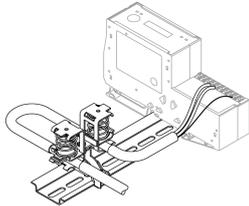
Functional principle

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 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
 Interface for CANopen
 BL20-E-GW-CO

Wiring accessories

| Type code | Ident-No. | Short text | 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 |  |