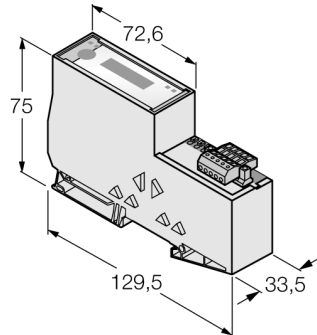


gateway for BL20 I/O system  
interface for DeviceNet  
BL20-E-GW-DN

**TURCK**

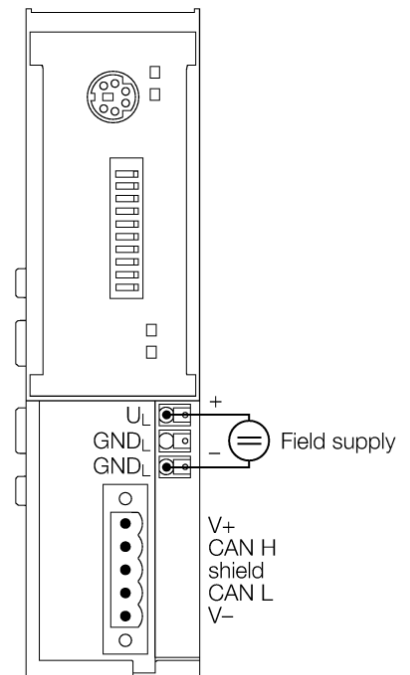
Industrial  
Automation



- 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 BL20 system and DeviceNet
- 125 / 250 / 500 kbps
- The connection to DeviceNet™ is established via an open-style connector

|                                    |                                                                     |
|------------------------------------|---------------------------------------------------------------------|
| <b>Type</b>                        | BL20-E-GW-DN                                                        |
| Ident-No.                          | 6827301                                                             |
| <b>Supply voltage</b>              | 24VDC                                                               |
| System power supply                | 24 VDC / 5 VDC                                                      |
| Field supply                       | 24 VDC                                                              |
| Admissible range                   | 18...30 VDC                                                         |
| Rated current from module bus      | ≤ 250 mA                                                            |
| Max. field supply current          | 10 A                                                                |
| Max. system supply current         | 0.7 A                                                               |
| Voltage supply connection          | Push-in clamps                                                      |
| <b>Fieldbus transmission rate</b>  | 125...500 kbps                                                      |
| Fieldbus addressing                | per DIP switch                                                      |
| Fieldbus addressing range          | 0...63                                                              |
| Service interface                  | PS/2 socket for I/O-ASSISTANT                                       |
| Fieldbus connection technology     | open connector                                                      |
| Fieldbus termination               | per DIP switch                                                      |
| <b>Dimensions (W x L x H)</b>      | 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                                                                |
| <b>Included in scope of supply</b> | 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).

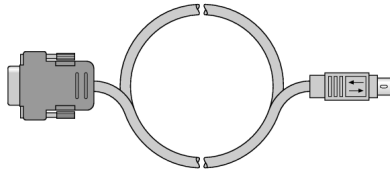
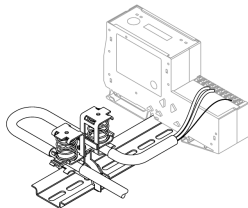
All BL20 electronic modules communicate over the internal module bus, the data of which is transferred to the fieldbus via the gateway, so that all I/O modules can be configured independently of the bus system.

gateway for BL20 I/O system  
interface for DeviceNet  
BL20-E-GW-DN

**TURCK**

Industrial  
Automation

**Wiring accessories**

| Type code                          | Ident-No. | Short text                                              | Dimension drawing                                                                   |
|------------------------------------|-----------|---------------------------------------------------------|-------------------------------------------------------------------------------------|
| I/O-ASSISTANT-KA-<br>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         |  |