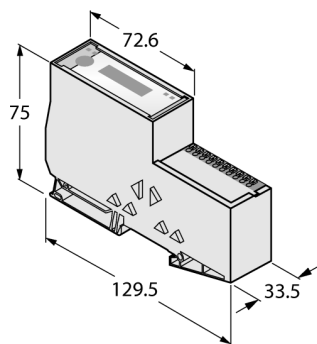


Gateway for the BL20 I/O System Interface for PROFIBUS-DP With Extended Temperature Range BL20-E-GW-DP/ET



- Interface for PROFIBUS-DP
- 2x end brackets BL20-WEW-35/2-SW
- 1x end plate BL20-ABPL
- Integrated power supply
- Integrated power supply
- LEDs for display of supply voltage, group and bus errors
- Gateway between the BL20 system and PROFIBUS-DPV0/DPV1
- 12 Mbps
- DIP switch for setting the node address
- Bus termination resistor switchable via DIP switch
- Push-in clamps
- Extended temperature range -25...+60 °C
- Protection class IP20

Type	BL20-E-GW-DP/ET
ID	100001981
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
Ambient temperature	-25...+60 °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

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.

Included in delivery	2 x end brackets BL20-WEW-35/2-SW, 1 x end plate BL20-ABPL
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	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 U_L GND_L U_{SYS} GND_{SYS}
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Field supply

System supply