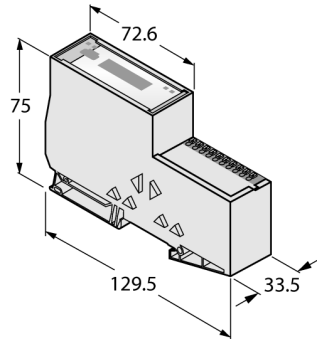


Gateway for the BL20 I/O System Interface for Modbus RTU / ASCII BL20-E-GW-RS-MB/ET



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.

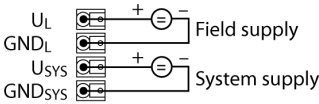
Type designation	BL20-E-GW-RS-MB/ET
Ident-No.	6827381
Supply voltage	24 VDC
System power supply	24 VDC / 5 VDC
Field supply	24 VDC
Admissible range	18...30 VDC
Nominal current from module bus	≤ 200 mA
Max. field supply current	8 A
Max. system supply current	0.7 A
Voltage supply connection	Push-in terminals
Fieldbus transmission rate	9.6 kbps ... 115.2 kbps
Fieldbus addressing	via DIP switch, I/O-ASSISTANT
Fieldbus address range	1...31 (via DIP switch) 1...247 (via I/O-ASSISTANT)
Fieldbus connection technology	Push-in clamps
Fieldbus termination	via DIP switch
Max. number of I/O modules	32
Service interface	Mini USB
Number of input bytes	192
Number of output bytes	192
Dimensions (W x L x H)	33.5 x 129.5 x 74.4mm
Approvals	CE
Operating temperature	-25...+60 °C
Storage temperature	-25...+70 °C
Relative humidity	15 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
Electromagnetic compatibility	acc. to EN 50,082-2
Protection class	IP20
Included in delivery	2 x end brackets BL20-WEW-35/2-SW, 1 x end plate BL20-ABPL

Gateway for the BL20 I/O System

Interface for Modbus RTU / ASCII

BL20-E-GW-RS-MB/ET

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 
	Modbus RTU/ASCII Fieldbus cable for RS485 (for example): RSC5701-5M (ident no. 6931036)	Pin Assignment 