TURCK

BL20-PG | BL67-PG
Ethernet Gateways

Programmable with CODESYS 3

The new generation of programmable gateways for the modular I/O systems BL20 and BL67 is programmable with CODESYS 3 and equipped with Turck's multiprotocol technology. The devices can thus be integrated in all three Ethernet protocols PROFINET, EtherNet/IP™ and Modbus TCP. For the first time, a programmable gateway is available for PROFINET applications.

The programmable gateways can be used in numerous applications, in which distributed intelligence in the field is useful. They are suitable not only for autonomous control tasks, but also as a protocol converter - for example from Ethernet to serial communication.

For communication in RFID applications, the devices provide a valuable service because they relieve the higher-level control of internal data communication tasks, and only transmit user data. For example, field devices with serial interfaces can be integrated in the Ethernet automation world or RFID systems directly linked to PC-based automation solutions.
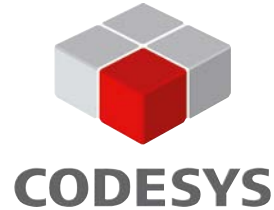
Advantages

- Simple programming with CODESYS V3 acc. to IEC 61131-3
- Usage in PROFINET, EtherNet/IP™ and Modbus TCP networks thanks to multiprotocol Ethernet technology
- Autonomous control of applications without higher-level control
- Distributed signal processing relieves higher-level control
- Protocol converter, for example between Ethernet and serial communication
- Web server facilitates commissioning and diagnostics

Programmable Ethernet Gateways

Product highlights

CODESYS 3
- Simple programming with CODESYS V3 acc. to IEC 61131-3; Supports the programming languages: SFC, IL, FBD, LD, ST and CFC

Integrated web server
- The programmable gateways have an integrated web server that not only supports functions such as assigning IP addresses or PROFINET names but also performs simple diagnosis tasks without a software tool during the operation.

Multiprotocol Ethernet technology
- Turck's multiprotocol Ethernet technology makes it possible to use the gateway with the three Ethernet protocols PROFINET, EtherNet/IP™ or Modbus TCP. This can significantly reduce warehousing and engineering efforts.

Device overview

Type code	BL20-PG-EN-V3	BL67-PG-EN-V3
Ident.-No.:	6827393	6827394
Description	CODESYS 3 Programmable Gateway for the BL20 I/O System	CODESYS 3 Programmable Gateway for the BL67 I/O System
Fieldbus Interfaces	PROFINET EtherNet/IP™ Modbus TCP	PROFINET EtherNet/IP™ Modbus TCP
Protection Class	IP20	IP67