

BL67 - ETHERNET- GATEWAYS



BL67 – With industrial Ethernet right down to the field

For the first time industrial Ethernet offers the capability of continuous networking of industrial systems. The key word “vertical integration” stands for a connection between the operating and control level right down to the field level.

With the modular BL67 I/O system TURCK supports the established industrial Ethernet protocols PROFINET IO, EtherNet/IP and Modbus TCP, thereby using the most important communication standards specifically for industrial applications.



Modbus TCP

- Ethernet protocols PROFINET IO, EtherNet/IP and Modbus TCP
- Ethernet connection with M 12 x 1, 4-pin, D-coded connectors
- Power supply with 7/8" male connector
- 10/100 Mbit/s autonegotiation
- Autocrossing
- I/O-ASSISTANT service tool also via Ethernet
- Addressing via rotary switch, BootP, DHCP, I/O-ASSISTANT or PROFINET configuration
- Integrated web server

INDUSTRIAL ETHERNET GATEWAYS FOR BL67

TURCK

Industrial
Automation

The three Ethernet gateways have common base functions. The gateways support 10/100 Mbits/s with autonegotiation and autocrossing. The IP address can be set via rotary switch, BootP, DHCP, I/O-ASSISTANT or with the PROFINET hardware configuration. The gateway has LED's for the status and diagnostic information.

Extended diagnosis can be structured with the default website or the I/O-ASSISTANT software tool, displayed and called as plain text information.

The proven M12 x 1 male connector is used to connect the fieldbus. This connector has been standardized as a "4-pin, D-coded" connector by user organizations such as PNO, ODVA und IAONA.

The power is supplied from two circuits via a 5-pin 7/8" connector, allowing the load or output voltage to be switched off separately if required.

The rotary switches and serial service port is located behind the window on the gateway.

The BL67 system can be mounted on DIN rails as well as directly on the body of the machine.



Software I/O-ASSISTANT

- Optional tool for offline planning and engineering of BL67 stations
- Online parameter setting for complex electronic and technical modules
- Online connection via Ethernet or RS232 service cable
- Commissioning aid for checking wiring and sensors even without PLC
- Diagnostic tools for service
- Automatic documentation of engineered BL67 systems

BL67 – Ethernet-Gateways: Types and Data

Gateway Type designation	BL67-GW-EN	BL67-GW-EN-PN	BL67-GW-EN-IP
Ident. No.	6827214	6827228	6827229
Fieldbus protocol	Modbus TCP	PROFINET IO	EtherNet/IP
Transmission rate	10/100 MBit/s (Autonegotiation and Autocrossing)		
Addressing	Rotary switch, BootP, DHCP, I/O-ASSISTANT, PROFINET configuration		
Service interface	PS/2 socket for I/O-ASSISTANT		
Fieldbus connection	Female, 4-pin, D-coded, M12 x 1		
Power supply connection	Male, 5-pin, 7/8"		
Power supply	24 VDC (permissible range: 18...30 VDC)		
Rated current	600 mA		
Max. field current	10 A		
Max. system current	1.5 A		
Operating temperature	0...+55 °C (extended range on request)		
Degree of protection	IP67		

