

MULTIPROTOCOL I/O SYSTEMS FOR ETHERNET



One device – 3 protocols

Marketed under the concept of multi-protocol, TURCK is offering the first field-bus gateways and block I/O modules that combine three Ethernet protocols – PROFINET IO, Modbus TCP, EtherNet/IP™ – in one device. The multiprotocol devices can be operated automatically in each of the three Ethernet systems.

The new multiprotocol solutions help users of different Ethernet protocols to effectively reduce the range of device variants required. Multiprotocol devices also enable the identical planning of machines and plant sections with different Ethernet protocols.

TURCK offers multiprotocol devices for its BL20 series gateways for control cabinet mounting and also for the BL67

series for field mounting. IP67 block I/O modules including the space-saving *BL compact* series are also available as multiprotocol devices.

All devices can be installed in a linear topology using their internal 3 port switches.

Furthermore the devices support the "prioritized startup" functionality: QuickConnect for EtherNet/IP™ and Fast Startup for PROFINET IO. In QuickConnect mode a block I/O device starts up in under 90 milliseconds. In Fast Startup mode, the device takes less than 150 milliseconds to start up.

Your advantages

- Reduced equipment variety
- Enhanced redundancy
- Simplified storage
- Generic system concepts

Sense it! Connect it! Bus it! Solve it!



Multiprotocol I/O systems for Ethernet

Product highlights

- Operable in the Ethernet systems PROFINET IO, EtherNet/IP™ and Modbus TCP
- Automatic protocol recognition
- Supports prioritized start-up and topology recognition as well as LLDP in PROFINET-IO applications
- QuickConnect (QC) and Device Level Ring (DLR) are implemented in EtherNet/IP™
- Available as BL20 and BL67 gateway and as IP67 block I/O module



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Type	Description
FGEN-IM16-5001	IP67 block I/O module with 16 digital inputs
FGEN-IOM88-5001	IP67 block I/O module with 8 digital inputs and 8 digital outputs
FGEN-OM16-5001	IP67 block I/O module with 16 digital outputs
FGEN-XSG16-5001	IP67 block I/O module with 16 configurable digital channels (input or output)
BL67-GW-EN (from FM version 3)	Multiprotocol Ethernet gateway for the modular IP67 rated I/O system BL67
BL20-E-GW-EN (from FM version 3)	Multiprotocol Ethernet gateway for the modular IP20 rated I/O system BL20
<i>BL compact</i> (from FM version 3)	IP67 block I/O modules for digital and analog I/O signals and technology modules (RS232, RS485, counters and SSI)



To get all product information, just scan the QR code with a smart-phone or webcam.

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