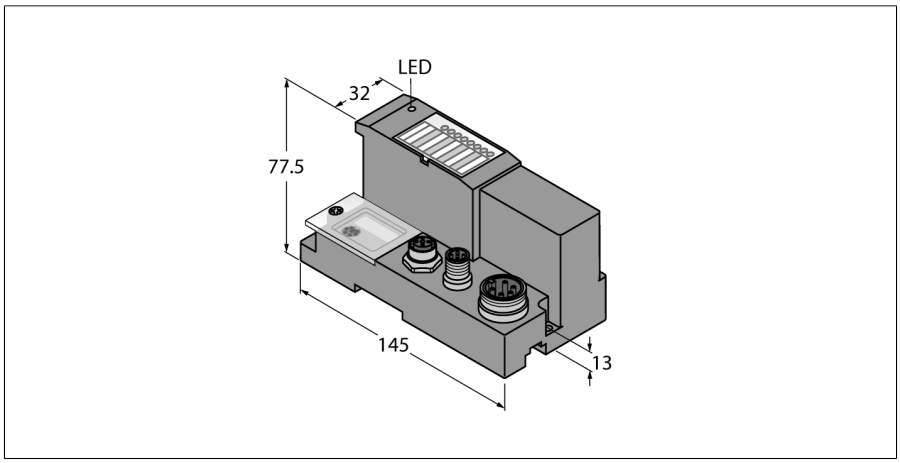
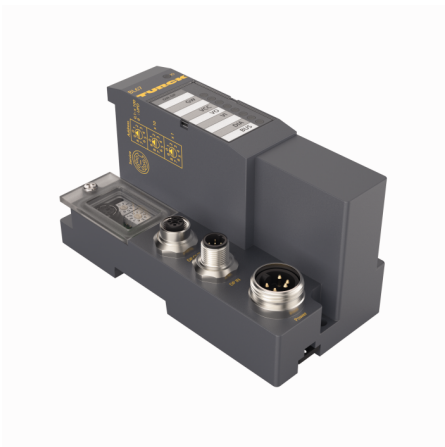
Gateway for BL67 I/O system
Interface for PROFIBUS-DP (DPV0/DPV1)
BL67-GW-DPV1

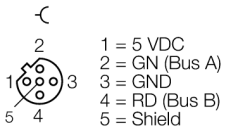




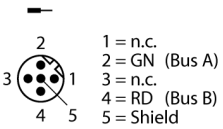
Type	BL67-GW-DPV1
ID	6827232
Supply voltage	24 VDC
Admissible range	18…30 VDC
Nominal current from module bus	≤ 650 mA
max. system supply current $I_{mb\ (5V)}$	1.5A
Max. sensor supply I_{sens}	4 A electronically limited current supply
max. load current I_o	10 A
Voltage supply connection	7/8″, 5-pin
Fieldbus transmission rate	9.6 kbps …12 Mbps
Fieldbus addressing	3 decimally coded rotary switches
Fieldbus address range	1...125
Fieldbus connection technology	2 × M12, 5-pin, reverse-coded
Fieldbus termination	external
Process image	
Input process image	244 byte
Output process image	244 byte
Service interface	RS232 interface (PS/2 socket)

- 3 decimal rotary coding switches
- Protection class IP67
- LEDs for display of supply voltage, group and bus errors
- Interface between the BL67 system and PROFIBUS-DPV0/DPV1
- 12 Mbps
- Two males M12 x 1, 5-pin, reverse-keyed, for fieldbus connection
- One male 7/8", 5-pin, for power supply

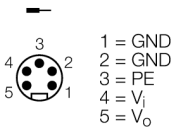
PROFIBUS-DP OUT



PROFIBUS-DP



Power Supply



Functional principle

BL67 gateways are the head component of a BL67 station. They are designed to connect the modular fieldbus nodes to the higher-level fieldbus (PROFIBUS-DP, DeviceNet,

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Dimensions (W x L x H)	74 x 145 x 77.5 mm
Approvals	CE, cULus
Ambient temperature	-40…+70 °C
Temperature derating	
> 55 °C Circulating air (Ventilation)	no limitation
> 55 °C Steady ambient air	Isens < 3A, Imb < 1A
Storage temperature	-40…+85 °C
Relative humidity	5…95 % (internal), level RH-2, no condensation (when stored at 45 °C)
Vibration test	Acc. to EN 61131
Extended vibration resistance	VN 02-00 and higher
- up to 5 g (at 10 to 150 Hz)	for mounting on DIN rail no drilling according to EN 60715, with end bracket
- up to 20 g (at 10 up to 150 Hz)	for mounting on base plate or machinery Therefore every second module has to be mounted with two screws each.
Shock test	Acc. to IEC 60068-2-27
Drop and topple	acc. to IEC 68-2-31 and free fall to IEC 68-2-32
Electromagnetic compatibility	Acc. to EN 61131-2
Protection class	IP67
DIN rail mounting	yes, Attention: Offset
Direct mounting	Two mounting holes, Ø 6 mm

Included in delivery	1 x end plate BL67

CANopen, Ethernet Modbus TCP, PROFINET, EtherCAT or EtherNet/IP).

All BL67 electronic modules communicate via the internal module bus, the data of which is transferred to the fieldbus via the gateway. All I/O modules can thus be configured independently of the bus system.

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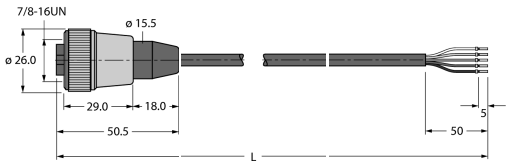
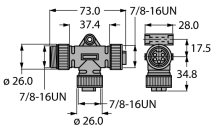
Accessories

Type code	Ident no.		Dimension drawing
RKM52-6M	6914145	Power supply cable, 7/8″ female connector, straight, 4-pin + PE, cable length: 6 m, jacket material: PUR, gray	
RSM-2RKM50	6914950	Power supply T-splitter, 1 x 7/8" male, 2 x 7/8" female, 5-pin, ampacity: 9 A, Rated voltage: 250 V, Temperature: -40 °C … +80 °C, wired in parallel	

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