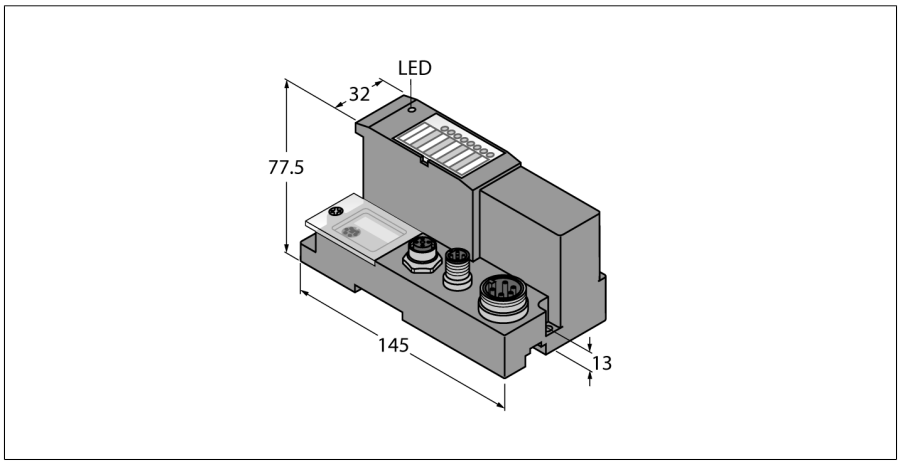
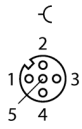
Gateway for BL67 I/O system
Interface for CANopen
BL67-GW-CO



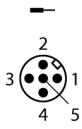
Type designation	BL67-GW-CO
Ident-No.	6827200
Supply voltage	24 VDC
Admissible range	18…30 VDC
Nominal current from module bus	≤ 600 mA
max. system supply current $I_{mb\ (5V)}$	1.3 A
Max. sensor supply I_{sens}	4 A electronically limited current supply
max. load current I_o	10 A
Voltage supply connection	5-pin male 7/8" connector
Fieldbus transmission rate	10 kbps …1 Mbps
Fieldbus addressing	2 decimally coded rotary switches
Fieldbus address range	1...99
Fieldbus connection technology	2 × M12, 5-pin
Fieldbus termination	external
Service interface	RS232 interface (PS/2 socket)
Dimensions (W x L x H)	74 x 145 x 77.5mm
Approvals	CE, cULus
Operating 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 to 95 % (internal), Level RH-2, no condensation (at 45 °C storage)
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 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 61131-2
Protection class	IP67
DIN rail mounting	yes, Attention: Offset
Direct mounting	Two mounting holes, 6 mm Ø
Included in delivery	1 x end plate BL67

CANopen OUT



1 = Shield
2 = RD n.c.
3 = BK GND
4 = WH (CAN H)
5 = BU (CAN L)

CANopen IN



1 = Shield
2 = RD n.c.
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Power Supply

1 = GND
2 = GND
3 = PE
4 = V_i
5 = V_O

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

All BL67 electronic modules communicate over 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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