

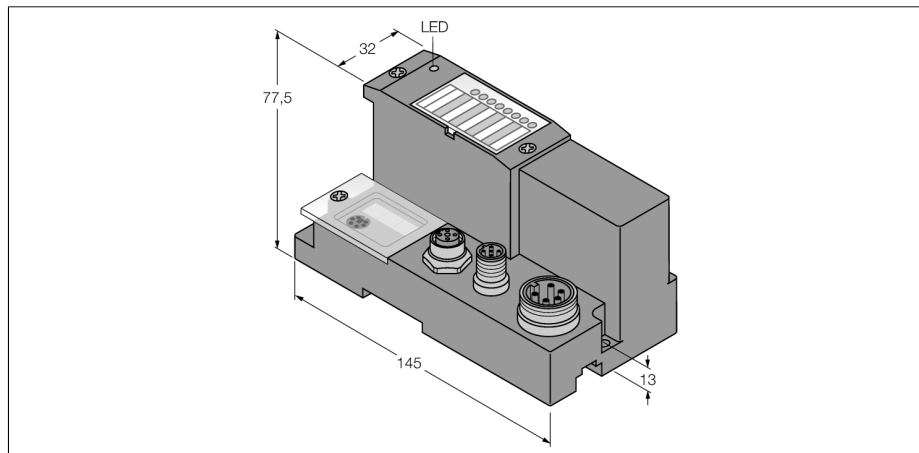
Gateway for BL67 I/O system

Interface for PROFIBUS-DP (DPV0/DPV1)

BL67-GW-DPV1

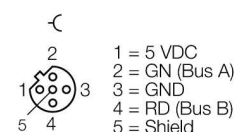
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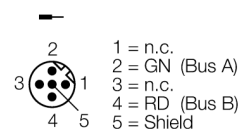


- 3 decimal rotary coding switches
- Protection class IP67
- LEDs for display of supply voltage, group and bus errors
- Interface between the BL67 system and PROFIBUS-DPV0/DPV1
- 12 Mbps
- Two males M12 x 1, 5-pin, reverse-keyed, for fieldbus connection
- One male 7/8", 5-pin, for power supply

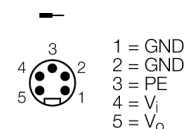
PROFIBUS-DP OUT



Profibus DP IN



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™, 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.

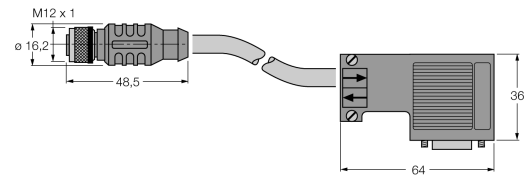
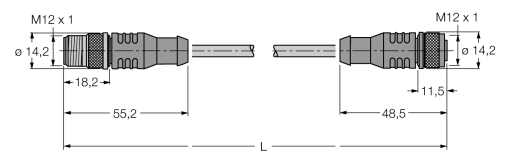
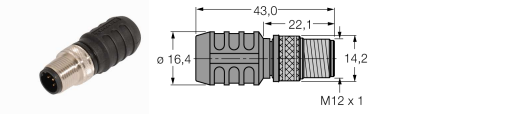
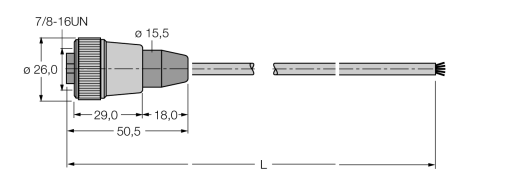
Type	BL67-GW-DPV1
Ident-No.	6827232
Supply voltage	24 VDC
Admissible range	18...30 VDC
Rated current from module bus	≤ 650 mA
max. sensor supply I_{sens}	4 A electronically limited current supply
Max. load current I_L	10 A
Voltage supply connection	5-pole male 7/8" connector
Fieldbus transmission rate	9.6 kbps ... 12 Mbps
Fieldbus addressing	3 decimally coded rotary switches
Fieldbus addressing range	1...125
Fieldbus connection technology	2 x M12, 5-pole, inversely coded
Fieldbus termination	external
Input process image	244 byte
Output process image	244 byte
Service interface	RS232 interface (PS/2 socket)
Dimensions (W x L x H)	74x145x77.5mm
Approvals	CE, cULus
Operating temperature	-40...+70 °C
Temperature derating	
> 55 °C Circulating air (Ventilation)	no limitation
> 55 °C Steady ambient air	$I_{\text{sens}} < 3A$, $I_{\text{mb}} < 1A$
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 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
Electro-magnetic compatibility	acc. to EN 61131-2
Protection class	IP67
DIN rail mounting	yes, Attention: Offset
Direct mounting	Two mounting holes, 6 mm Ø

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

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Accessories

Type code	Ident-No.	Description	Dimension drawing
RKSW-D9T451-2M	6915769	Profibus cable, M12 straight male connector to SUB-D, 2 m	
RSSW-RKSW451-6M	6914121	Profibus cable, M12 straight male connector to M12 straight female connector, 6 m	
RSS4.5-PDP-TR	6601590	Passive PROFIBUS-DP terminating resistor, M12 connector	
RKM52-6M	6914145	Power supply cable, 7/8 straight with open cable end, 6 m	
RSM-2RKM50	6914950	T-piece for power supply, 7/8", 5-pole, 9A nominal current	