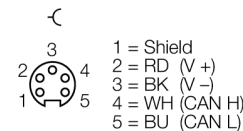
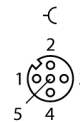


- A special software (function module) for integration in PLC systems is not required.
- Cable max. 50 m between interface and read/write head
- 3 decimal rotary coding switches to adjust the bus address
- Maximum transmission rate to the fieldbus 120/250/500 kbps
- Two males 7/8", 5-pin, for fieldbus connection
- LEDs for display of supply voltage, group and bus errors as well as status and diagnostics
- Connection of up to 4 read/write heads via BL ident M12 extension cables
- Mixed operation of HF and UHF read/write heads

Wiring Diagram



DeviceNet™ IN



Functional principle

The BL ident® system can be installed in many different ways. Various fieldbus standards, such as PROFIBUS-DP, EtherNet/IP, Ethernet Modbus TCP, EtherCAT, DeviceNet, CANopen and PROFINET IO allow flexible integration. BL ident® simple electronic modules (BL20-2RFID-S, BL67-2RFID-S) can be integrated in existing control or host systems without function block, since standard input/output process data is used for communication. Programmable gateways with peripheral pre-processing function relieve the control system and fieldbus level. Preassembled sets (2, 4, 6 or 8-port), easily mounted, available for all fieldbus networks.

Type designation	TI-BL67-DN-S-4
Ident no.	1545115
Number of channels	4
Dimensions (W x L x H)	140 x 145 x 77.5 mm
Supply voltage	24 VDC
max. system supply current $I_{mb(SV)}$	1.5, A
Max. sensor supply I_{sens}	4 A electronically limited current supply electronically limited current supply
max. load current I_o	8 A
Admissible range	11...26 VDC
Fieldbus transmission rate	125/250/500 kbps
Fieldbus address range	0...63
Fieldbus addressing	2 decimally coded rotary switches
Service interface	RS232 interface (PS/2 socket)
Fieldbus connection technology	2 x 7/8", 5-pin
Voltage supply connection	from DeviceNet™ cable
Fieldbus termination	external
Transmission rate	115.2 kbps
Cable length	50 m
Electrical isolation	isolation of electronics and field level via opto-couplers
Output connectivity	M12
Sensor supply	0.5 A per channel, short-circuit proof
Operating temperature	-40...+70 °C
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	
Extended vibration resistance - up to 5 g (at 10 to 150 Hz)	VN 02-00 and higher for mounting on DIN rail no drilling according to EN 60715, with end bracket for mounting on base plate or machinery Therefore every second module has to be mounted with two screws each.
- up to 20 g (at 10 up to 150 Hz)	
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



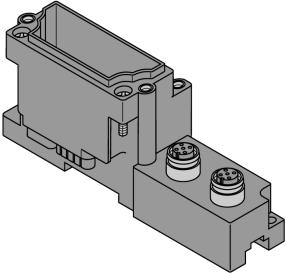
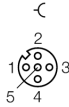
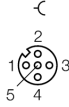
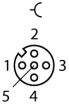
Set for Simple I/O Communication via DeviceNet™ in IP67
TI-BL67-DN-S-4



Included in delivery

1 x end plate BL67

Compatible base modules

	<p>Type</p> <p>BL67-B-2M12 6827186 2 x M12, 5-pole, female, a-coded</p>	<p>Pin configuration</p> <p>.../S2500 Connectors</p> <p></p> <ul style="list-style-type: none">1 = BN (+)2 = BK (Data)3 = BU (GND)4 = WH (Data)5 = shield <p>.../S2501 Connectors</p> <p></p> <ul style="list-style-type: none">1 = BN (+)2 = WH (Data)3 = BU (GND)4 = BK (Data)5 = shield <p>Connectors .../S2503</p> <p></p> <ul style="list-style-type: none">1 = RD (+)2 = BU (Data)3 = BK (GND)4 = WH (Data)5 = shield
-----------------------------------------------------------------------------------	----------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

LED display

LED	Color	Status	Meaning
D		OFF	No error message or diagnostics active.
	RED	ON	Failure of module bus communication. Check if more than 2 adjacent electronic modules are pulled. Relevant modules are located between gateway and this module.
	RED	FLASHING (0.5 Hz)	Upcoming module diagnostics
RW0 / RW1		OFF	No tag, no active diagnostics
	GREEN	ON	Tag available
	GREEN	FLASHING (2 Hz)	Data exchange with tag enabled
	RED	ON	Read/write head error
	RED	FLASHING (2 Hz)	Short-circuit in the supply line of read/write head

I/O Data Mapping

INPUT	BYTE	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
Channel 0	0	DONE	BUSY	ERROR	XCVR CON	XCVR ON	TP	TFR	Reserved
	1	Error Code							
	2	Error Code 1							
	3	Reserved							
	4	READ DATA (8 Byte)							
	5								
	...								
	10								
	11								
Channel 1	12	DONE	BUSY	ERROR	XCVR CON	XCVR ON	TP	TFR	Reserved
	13	Error Code							
	14	Error Code 1							
	15	Reserved							
	16	READ DATA (8 Byte)							
	17								
	...								
	22								
	23								
OUTPUT	BYTE	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
Channel 0	0	XCVR	NEXT	TAG ID	READ	WRITE	TAG INFO	XCVR INFO	RESET
	1	Reserved					Byte Count 2	Byte Count 1	Byte Count 0
	2	Address high byte							
	3	Address low byte							
	4	WRITE DATA (8 Byte)							
	5								
	...								
	10								
	11								
Channel 1	12	XCVR	NEXT	TAG ID	READ	WRITE	TAG INFO	XCVR INFO	RESET
	13	Reserved					Byte Count 2	Byte Count 1	Byte Count 0
	14	Address high byte							
	15	Address low byte							
	16	WRITE DATA (8 Byte)							
	17								
	...								
	22								
	23								