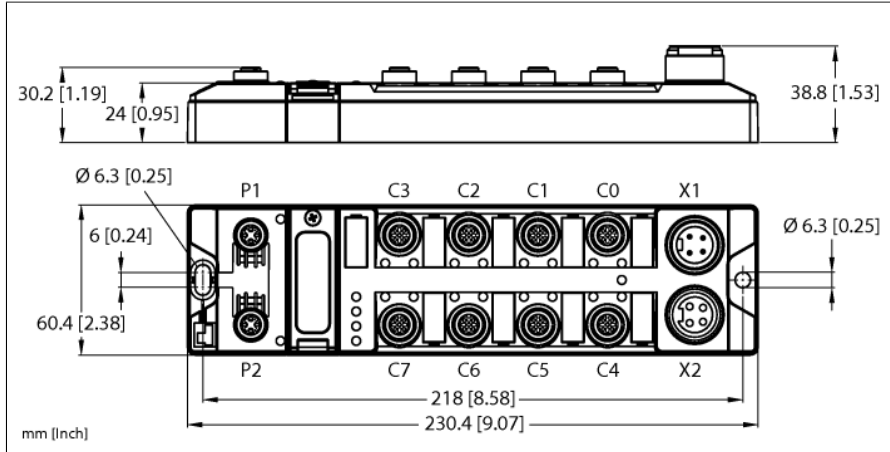


# Compact Multiprotocol I/O Module for Ethernet

## 8 IO-Link Master Channels

### 16 Universal Digital PNP Channels, Channel Diagnostics

#### TBEN-L4-8IOLA

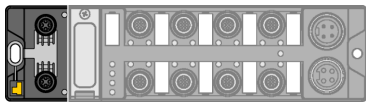


ID	100028459
<b>Supply</b>	
Supply voltage	24 VDC
Voltage supply connection	4-pin male 7/8" connector X1
Operating current	V1: max. 300 mA, min. 120 mA mA
Sensor/actuator supply	Supply from V1 Short-circuit proof, max. 2 A per slot
Electrical isolation	galvanic isolation of the voltage groups V1 and V2, voltages up to 500 VAC
<b>System data</b>	
Fieldbus transmission rate	10/100 Mbps
Fieldbus connection technology	2 x M12, 4-pin, D-coded
Protocol detection	automatic
Web server	Default: 192.168.1.254
Service interface	Ethernet via P1 or P2
<b>Field Logic Controller (FLC)</b>	
ARGEE Engineering Version	3.2.219.0
<b>Modbus TCP</b>	
Addressing	Static IP, DHCP
Supported function codes	FC1, FC2, FC3, FC4, FC5, FC6, FC15, FC16, FC23
Number of TCP connections	8
Input register start address	0 (0x0000 hex)
Output register start address	2048 (0x0800 hex)

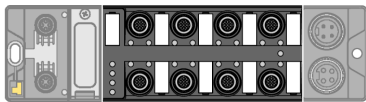
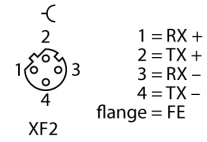
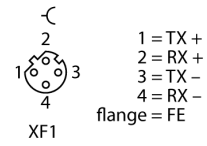
- PROFINET device, EtherNet/IP device or Modbus TCP slave
- Integrated Ethernet switch
- Supports 10 Mbps/100 Mbps
- 2 × M12, 4-pin, D-coded, Ethernet fieldbus connection
- PROFINET S2 system redundancy
- Glass fiber reinforced housing
- Shock and vibration tested
- Fully potted module electronics
- Protection classes IP65, IP67, IP69K
- 4-pin 7/8" male connector for power supply
- 5-pin M12 slots for IO-Link master
- IO-Link master port class A
- IO-Link protocol 1.1
- Programmable ARGEE



Standard/Directive conformity	
Vibration test	Acc. to EN 60068-2-6 Acceleration up to 20 g
Shock test	acc. to EN 60068-2-27
Drop and topple	acc. to EN 60068-2-31/IEC 60068-2-32
Electromagnetic compatibility	Acc. to EN 61131-2
Approvals and certificates	CE FCC statement, UV resistant acc. to DIN EN ISO 4892-2A (2013)
UL Certificate	cULus LISTED 21 W2, Encl.Type 1 IND.CONT.EQ.
General Information	
Dimensions (W x L x H)	60.4 x 230.4 x 39 mm
Ambient temperature	-40...+70 °C
Storage temperature	-40...+85 °C
Altitude	Max. 5000 m
Protection class	IP65 IP67 IP69K
MTTF	114 years acc. to SN 29500 (Ed. 99) 20 °C
Housing material	PA6-GF30
Housing color	Black
Male connector material	Nickel-plated brass
Window material	Lexan
Material screw	303 stainless steel
Material label	Polycarbonate
Halogen-free	yes
Mounting	2 mounting holes □ 6.3 mm



### Ethernet M12 × 1



### Accessories

Accessories:

Connection cable , 2-channel (example):

RK 4.4T-2-RS 4.4T

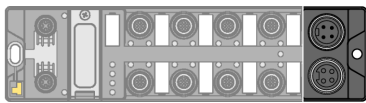
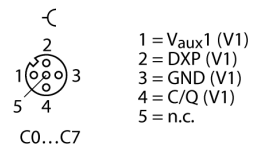
Ident no. U2445

Splitter, 1-channel (example):

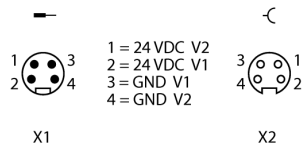
YB2-FSM 4.5-2FKM 4.5

Ident no. U0875-78

### I/O slot M12 × 1



### 7/8" power supply





**Process Data Mapping of the Single Protocols**

For more details on the corresponding protocols see manual.