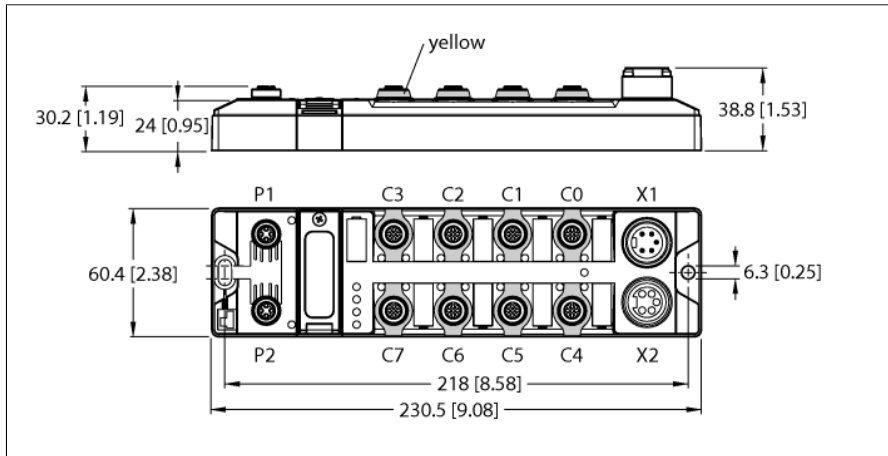


Compact PROFIsafe / PROFINET Block I/O Module

Safe Digital Inputs and Outputs

TBPN-L5-4FDI-4FDX



Type designation	TBPN-L5-4FDI-4FDX
Ident-No.	100001826
Protection class	IP65 IP67 IP69K
Front (W x H x D)	60.4 x 230.4 x 39 mm

The data sheet serves as advance information. For definitive values see the corresponding product manual. In this respect, no liability for completeness and accuracy can be applied to the content of this data sheet.

- PROFINET slave
- Integrated Ethernet switch
- 100 Mbps supported
- 2 × M12, 4-pin, D-coded Ethernet field-bus connection
- Glass fiber reinforced housing
- Shock and vibration tested
- Fully potted module electronics
- Protection classes IP65, IP67, IP69K
- 7/8", 5-pin connectors for power supply
- Four safe digital SIL3 inputs
- Four safe configurable digital SIL3 inputs or outputs
- Compact PROFIsafe/PROFINET Block I/O module
- 4 safe digital inputs
- 4 safe universal digital inputs or outputs
- Integrated Ethernet switch allows line topology
- 2 × M12, 4-pin, D-coded Ethernet field-bus connection
- 7/8", 5-pin connector for power supply
- Glass fiber reinforced housing
- Shock and vibration tested
- Fully potted module electronics
- Protection classes IP65, IP67, IP69K

Figure 1

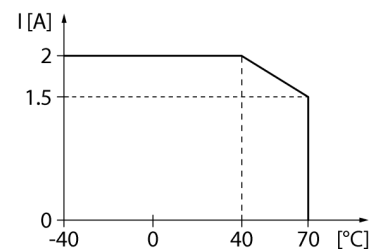
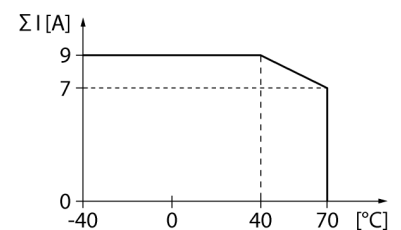


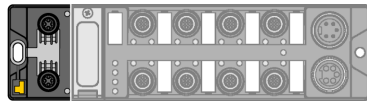
Figure 2



Compact PROFIsafe / PROFINET Block I/O Module

Safe Digital Inputs and Outputs

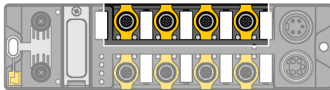
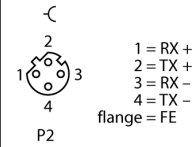
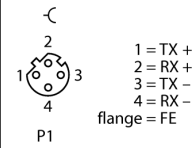
TBPN-L5-4FDI-4FDX



Accessories

Ethernet cable (example):
RSSD RSSD 441-2M
Ident. no. U-02482

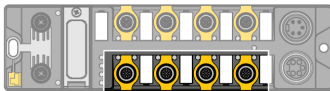
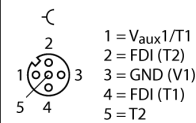
M12 × 1 Ethernet



Accessories

Actuator and sensor cable/PUR connection cable (example):
RKC4.5T-2-RSC4.5T/TXY
Ident. no. 6629805

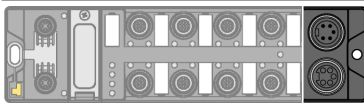
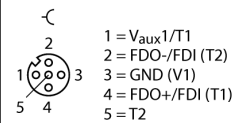
M12 × 1 Safety Inputs



Accessories

Actuator and sensor cable/PUR connection cable (example):
RKC4.5T-2-RSC4.5T/TXY
Ident. no. 6629805

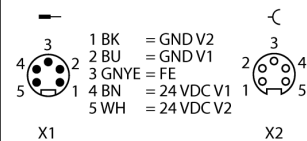
M12 × 1 Safety I/O Port



Accessories

Power supply cable (example):
RSM RKM 50-2M
Ident. no. U2282-0

7/8" Power Supply



Compact PROFIsafe / PROFINET Block I/O Module

Safe Digital Inputs and Outputs

TBPN-L5-4FDI-4FDX

Module Status LED

LED	Color	Status	Description
ETH1 / ETH2	Green	On	Ethernet Link (100 Mbps)
		flashing	Ethernet communication (100 Mbps)
		Off	No Ethernet link
BUS	Green	On	Active connection to a master
		flashing	Ready
	Red	On	IP-address conflict or Restore Mode or Modbus timeout
		flashing	Blink/Wink command active
	Red/Green	Alternating	Autonegotiation or waiting for DHCP/Boot-P addressing
ERR	Green	On	Diagnostics disabled
	Red	On	Diagnostics enabled
PWR	Green	On	Voltage OK
	Red	On	Voltage faulty
WINK	White	Flashing	Supports the blink/wink commands

LED Status I/O

LED	Color	Status	Description
0...7	Green	On	Channel active
		flashing	Self test
	Red	On	Discrepancy
		flashing	Cross circuit
8...15	Green	On	Channel active
		flashing	Self test (input only)
	Red	On	Discrepancy, overload (output only)
		flashing	Cross circuit

Compact PROFIsafe / PROFINET Block I/O Module

Safe Digital Inputs and Outputs

TBPN-L5-4FDI-4FDX

Process Data Mapping of the Single Protocols

For more details on the corresponding protocols see manual.