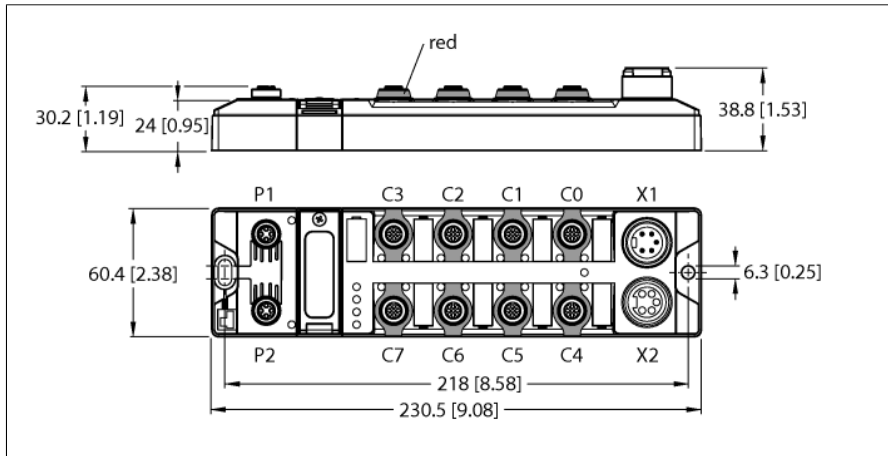


Block Module for EtherNet/IP and CIP Safety
Safe Digital Inputs and Outputs
TBIP-L5-4FDI-4FDX



Type designation	TBIP-L5-4FDI-4FDX
Ident-No.	100001828
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.

- Ethernet/IP
- Integrated Ethernet switch
- 10 Mbps/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 Ethernet/IP CIP-safe Block I/O module
- 5-pin power supply
- 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

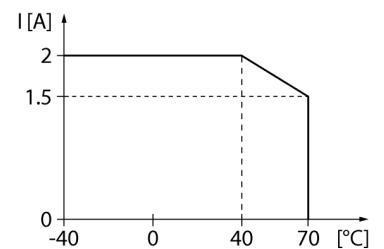
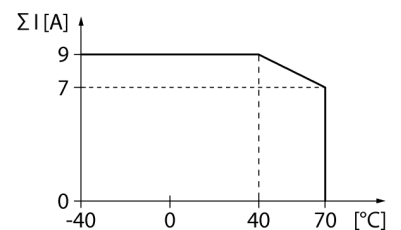
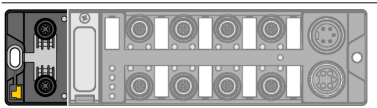
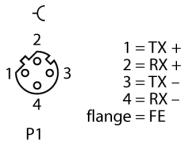
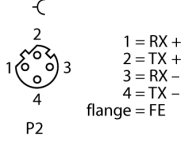
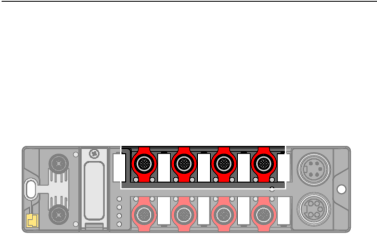
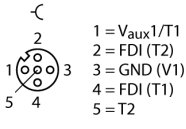
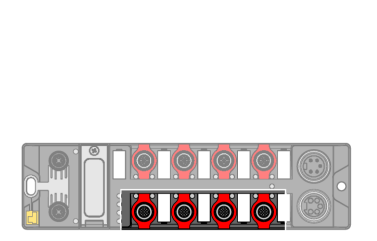
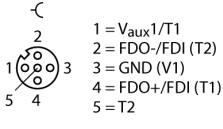
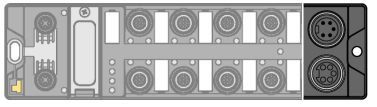
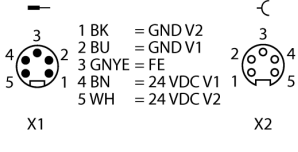


Figure 2



Block Module for EtherNet/IP and CIP Safety
Safe Digital Inputs and Outputs
TBIP-L5-4FDI-4FDX

	<p>Accessories Ethernet cable (example): RSSD RSSD 441-2M Ident no. U-02482</p>	<p>M12 × 1 Ethernet</p>  <p>P1</p>  <p>P2</p>
	<p>Accessories Actuator and sensor cable/PUR connection cable (example): RKC4.5T-2-RSC4.5T/TXY Ident. no. 6629805</p>	<p>M12 × 1 Safety Inputs</p> 
	<p>Accessories Actuator and sensor cable/PUR connection cable (example): RKC4.5T-2-RSC4.5T/TXY Ident. no. 6629805</p>	<p>M12 × 1 Safety I/O Port</p> 
	<p>Accessories Power supply cable (example): RSM RKM 50-2M Ident no. U2282-0</p>	<p>7/8" Power Supply</p>  <p>X1 X2</p>

Block Module for EtherNet/IP and CIP Safety

Safe Digital Inputs and Outputs

TBIP-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
NS	Green	On	Active connection to a master
		flashing	Connection has been established but not fully completed
	Red	On	Communication Error
		flashing	One or more I/O connections have the time-out status.
Red/Green	Alternating	Faulty self-test or configuration	
MS	Green	On	Diagnostics disabled
	Green	Flashing	When used as a stand-alone device: Device is in protective mode, an EtherNet/IP™ client is accessing the standard I/Os.
	Red	On	Critical error
	Red	Flashing	Correctable error
	Green/Red	Flashing alternately	Faulty self-test or configuration
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

Block Module for EtherNet/IP and CIP Safety

Safe Digital Inputs and Outputs

TBIP-L5-4FDI-4FDX

Process Data Mapping of the Single Protocols

For more details on the corresponding protocols see manual.