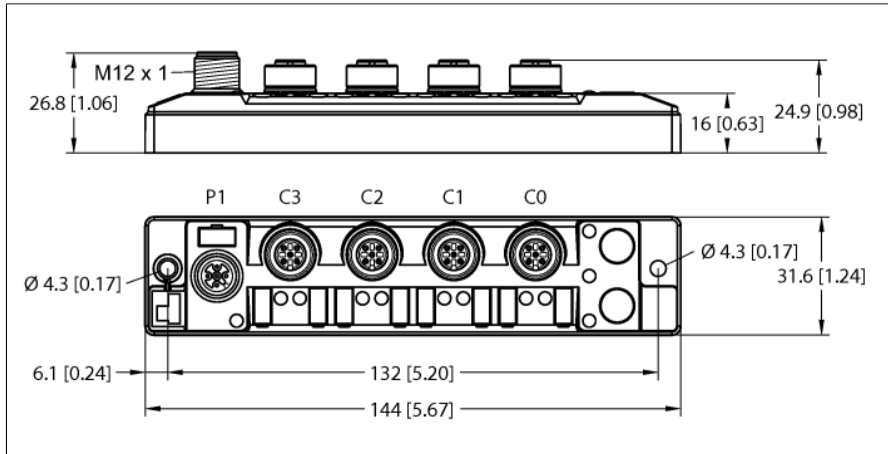


I/O Hub for Connection of Digital Signals to IO-Link Master

8 Digital Inputs, 4 M12 Ports

TBIL-S4-8DIP

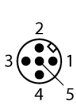
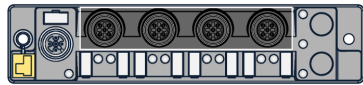
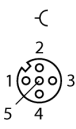


- Glass fiber reinforced housing
- Shock and vibration tested
- Fully potted module electronics
- Protection classes IP65, IP67, IP69K

Type	TBIL-S4-8DIP
ID	100002597
Supply	
Supply voltage	24 VDC
Admissible range	18...30 VDC
Voltage supply connection	M12
Operating current	120 mA
Sensor/actuator supply	Class A supply from V1 Short-circuit proof, 4 A per port
Digital inputs	
Number of channels	8
Connectivity inputs	M12
Type of input diagnostics	Channel diagnostics
Low-level signal voltage	-3...5 VDC (EN 61131-2, type 1 and 3)
High level signal voltage	11...30 VDC (EN 61131-2, type 1 and 3)
Input delay	0.010 ms
Sensor supply	0.5A
Max. input current	15 mA
IO-Link	
Connectivity IO-Link	1 × M12
IO-Link specification	V 1.1
IO-Link port type	Class A
Frame type	2,6
Transmission rate	COM 2/38.4 kbps
Programming	FDT/DTM
Standard/Directive conformity	
Vibration test	Acc. to IEC 60068-2-6
Shock test	acc. to IEC 60068-2-27
Approvals and certificates	CE UKCA 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)	32 x 144.3 x 32 mm
Ambient temperature	-40...+70 °C
Storage temperature	-40...+85 °C
Altitude	Max. 5000 m
Protection class	IP65
	IP67
	IP69K
MTTF	560 years acc. to SN 29500 (Ed. 99) 20 °C
Housing material	PA6-GF30
Housing color	Black
Mounting	2 mounting holes, Ø 4.3 mm

Pin configuration and wiring diagrams

	Note Suitable IO-Link cables (Excerpt): 2m: RKC4T-2-RSC4T/TXL (Ident. no. 6625604) 5 m: RKC4T-5-RSC4T/TXL (Ident. no. 6625730) Further lengths and variants in the product catalog or on request Suitable IO-Link masters (Excerpt): BL20-E-4IOL (ID number 6827385) BL67-4IOL (ID number 6827386) TBEN-S2-4IOL (ID number 6814024) SDPX-IOL4-0001 (ID number 6825480) Further types in the product catalog or on request	M12 × 1 IO-Link  1 = 24 VDC 2 = n.c. 3 = GND 4 = C/Q (IO-Link) 5 = n.c.
	Note Suitable Sensor supply cables (Excerpt): 2m: RSC4.4T-2/TXL Ident. no. (6625527) 5 m: RSC4.4T-5/TXL Ident. no. (6625528) Further lengths and variants in the product catalog or on request	M12 × 1 I/O port  1 = V_{AUX} 2 = Signal In 3 = GND 4 = Signal In 5 = FE C0...C3

Module LED status

LED indicator	Color	Status	Description
IO-Link	Green	OFF	Power off
		Flashing	IO-Link communication OK, valid process data is being sent or received
	Red	ON	IO-Link communication or module error
		Flashing	IO-Link communication OK, invalid process data or diagnosis enabled

I/O LED Status

LED indicator	Color	Status	Description
Cx – Cx	Green	ON	Input or output active
	Red	ON	Output active with overload/short circuit
		Flashing	Power overload at the corresponding port. Both port LEDs are flashing.
		OFF	Input or output inactive

Cx = Port No.