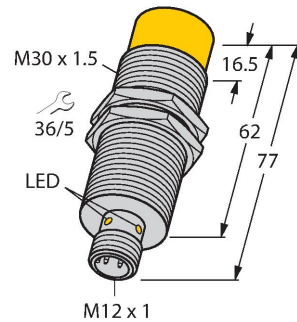


NICP-M30-IOL2P8X-H1141

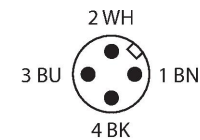
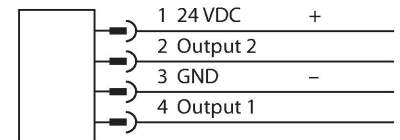
Inductive coupler – Primary Side



Features

- Threaded barrel, M30 x 1.5
- Chrome-plated brass
- DC 4-wire, 24 VDC
- 2 x PNP output
- Male, M12 x 1
- IO-Link transmission

Wiring diagram



Functional principle

Inductive couplers transmit power and data contactless. With a high-frequency alternating field power is transmitted at a frequency of 200 kHz and data at 2.4 GHz. The powered primary component NICP feeds the secondary component NICS via the air interface which in turn transmits the sensor signals back to the primary component.

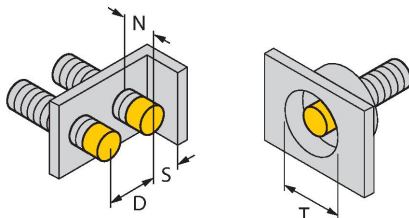
Technical data

Type	NICP-M30-IOL2P8X-H1141
ID	4300101
Remark to product	Discontinued. Successor: 100018258
max. transmission distance	7 mm
max. offset	5 mm
Maximum Angular Misalignment	15 °
General data	
Mounting conditions	Non-flush
Electrical data	
Operating voltage U_B	24 VDC
DC rated operating current I_a	≤ 750 mA
Wire break/reverse polarity protection	yes
Communication protocol	IO-Link
Output function	4-wire, PNP
Nominal transmission capacity	12 W
Maximum standby power coupled	3 W
Maximum standby power not coupled	1 W
System readiness delay (power)	160 ms
IO-Link specification	V 1.1.1
Mechanical data	
Design	Threaded barrel, M30 x 1.5
Dimensions	77.1 mm
Housing material	Metal, CuZn, Chrome-plated
Active area material	Plastic, PA12-GF30
Max. tightening torque of housing nut	40 Nm
Electrical connection	Connector, M12 x 1

Technical data

Environmental conditions	
Ambient temperature	-20...+55 °C
Vibration resistance	55 Hz (1 mm)
Protection class	IP67 IP68
MTTF	547 years acc. to SN 29500 (Ed. 99) 20 °C
Switching state	LED, Yellow, 10 Hz = no secondary component, 1 Hz = FOD active

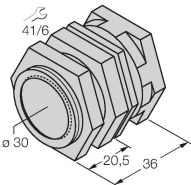
Mounting instructions

Mounting instructions/Description		
	Distance D	60 mm
	Distance T	60 mm
	Distance S	30 mm
	Distance N	26,5 mm
	Diameter active area B	Ø 30 mm

Accessories

QM-30

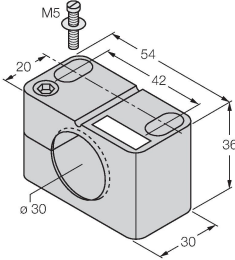
6945103



Quick-mount bracket with dead-stop; material: Chrome-plated brass. Male thread M36 × 1.5. Note: The switching distance of the proximity switches may change when using quick-mount brackets.

BST-30B

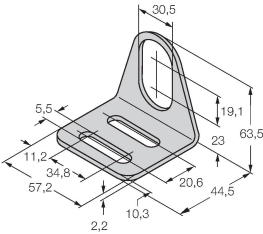
6947216



Mounting clamp for threaded barrel sensors, with dead-stop; material: PA6

MW30

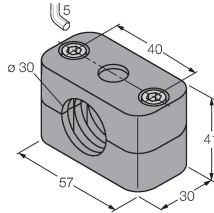
6945005



Mounting bracket for threaded barrel sensors; material: Stainless steel A2 1.4301 (AISI 304)

BSS-30

6901319



Mounting clamp for smooth and threaded barrel sensors; material: Polypropylene

Accessories

Dimension drawing	Type	ID	
	TBIL-M1-16DIP	6814100	16-channel I/O-hub for the connection of 16 digital PNP inputs to an IO-Link master
	TBIL-EMN-16DIP	100051093	16-channel I/O-hub for the connection of 16 digital PNP inputs to an IO-Link master
	TBIL-M1-16DIP CSJTEXT	100053230	16-channel I/O-hub for the connection of 16 digital PNP inputs to an IO-Link master