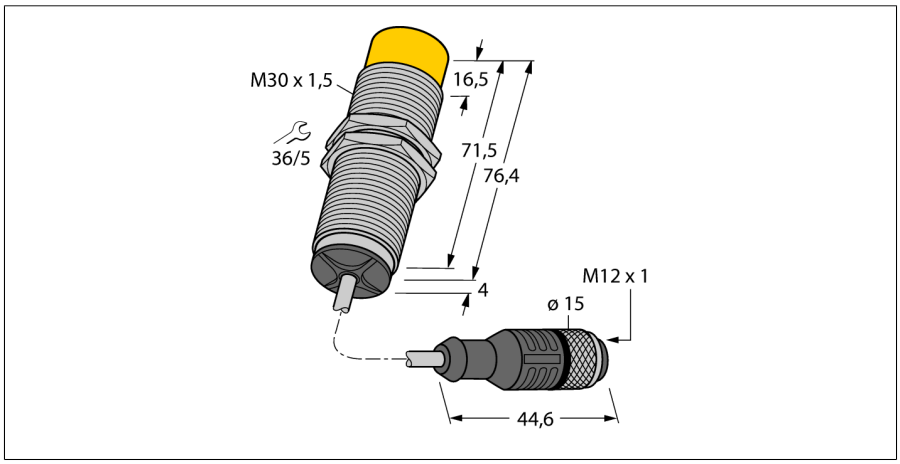
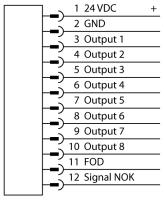
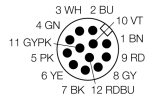
Inductive coupler
Primary Side
NICP-M30-8P8-0,3-RSC12T

Industrial Automation



- **Threaded barrel, M30 x 1.5**
- **Chrome-plated brass**
- **DC 4-wire, 24 VDC**
- **8 x PNP output**
- **Pigtail with male end, M12 x 1**
- **Status bit for the identification of the secondary component**
- **Diagnosis bit for the identification of foreign objects**





Type code	NICP-M30-8P8-0,3-RSC12T
Ident-No.	4300201
max. transmission distance	7 mm
max. offset	5 mm
Maximum Angular Misalignment	15 °
Mounting condition	non-flush
Ambient temperature	-20…+55 °C
DC rated operational current	≤ 750 mA
Output function	12-wire, PNP
Nominal transmission capacity	12 W
Maximum standby power coupled	3 W
Maximum standby power not coupled	1 W
Operational readiness time system	160 ms
Communication	Version 1.1.1
Transmission rate	COM 2 / 38.4 kbps
Design	threaded barrel, M30 x 1.5
Dimensions	80.4 mm
Housing material	metal, CuZn, chrome-plated
Material active face	Plastic, PA12-GF30
Max. tightening torque housing nut	40 Nm
Connection	cable with connector, M12 x 1
Cable quality	5.6 mm, Lif9YH-11YH, PUR, 0.3 m
	Flame retardant acc. to VDE 0472, part 804B
Cable cross section	12 x 0.14 mm^2
Vibration resistance	55 Hz (1 mm)
Shock resistance	30 g (11 ms)
Protection class	IP67
	IP68

Functional principle

Inductive couplers transmit power and data contactless.The power is transmitted via a 200 kHz magnetic field while the data is transmitted via 2.4 GHz RF field. 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.

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Inductive coupler
Primary Side
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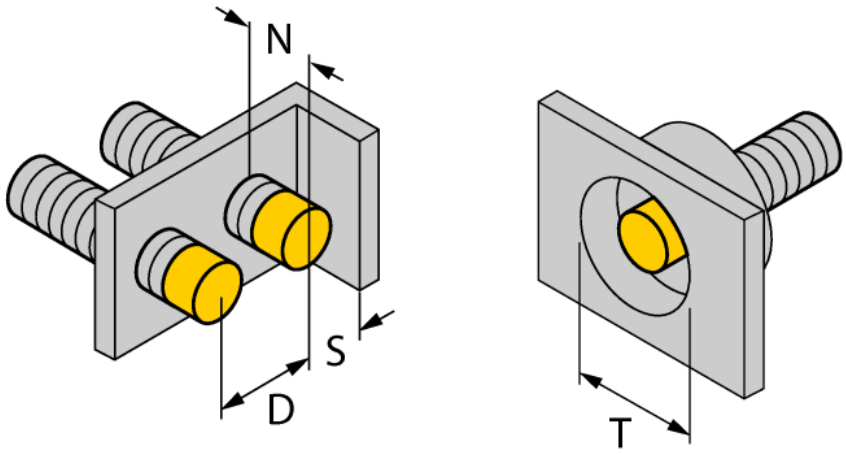
Distance D	60 mm
Distance T	60 mm
Distance S	30 mm
Distance N	26,5 mm
Diameter of the active area B	Ø 30 mm



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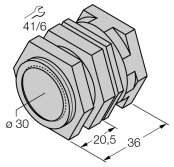
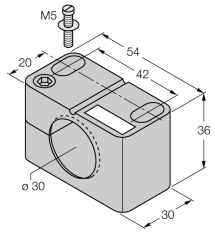
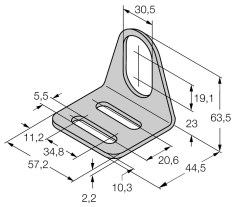
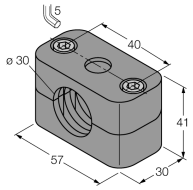
Accessories

Type code	Ident-No.	Description	Dimension drawing
QM-30	6945103	Quick-mount bracket with dead-stop; material: Chrome-plated brass Male thread M36 x 1.5. Note: The switching distance of proximity switches can be reduced by the use of quick-mount brackets.	
BST-30B	6947216	Fixing clamp for threaded barrel devices, with dead-stop; material: PA6	
MW-30	6945005	Mounting bracket for threaded barrel devices; material: Stainless steel A2 1.4301 (AISI 304)	
BSS-30	6901319	Mounting bracket for smooth and threaded barrel devices; material: Polypropylene	

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