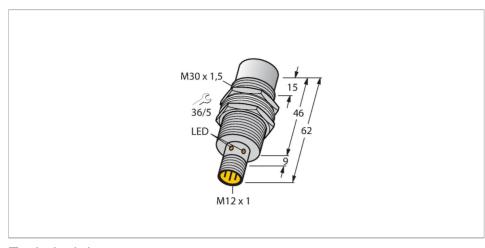


NI30U-MT30-AP6X2-H1141 Inductive Sensor – With Extended Switching Distance



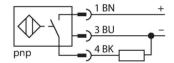
Technical data

Туре	NI30U-MT30-AP6X2-H1141
ID	1646635
General data	
Rated switching distance	30 mm
Mounting conditions	Non-flush
Secured operating distance	≤ (0.81 × Sn) mm
Repeat accuracy	≤ 2 % of full scale
Temperature drift	≤ ±10 %
Hysteresis	315 %
Electrical data	
Operating voltage U _B	1030 VDC
Ripple U _{ss}	≤ 10 % U _{Bmax}
DC rated operating current I _o	≤ 200 mA
No-load current	≤ 25 mA
Residual current	≤ 0.1 mA
Isolation test voltage	0.5 kV
Short-circuit protection	yes/Cyclic
Voltage drop at I _e	≤ 1.8 V
Wire break/reverse polarity protection	yes/Complete
Output function	3-wire, NO contact, PNP
DC field stability	300 mT
AC field stability	300 mT _{ss}
Insulation class	
Switching frequency	1 kHz

Features

- ■Threaded barrel, M30 x 1.5
- ■Brass, PTFE-coated
- Factor 1 for all metals
- Protection class IP68
- Resistant to magnetic fields
- ■Large switching distance
- ■Integrated protection against predamping
- Little metal-free spaces
- ■DC 3-wire, 10...30 VDC
- ■NO contact, PNP output
- ■M12 x 1 male connector

Wiring diagram





Functional principle

Inductive sensors are designed for wear-free and contactless detection of metal objects. uprox+ sensors have significant advantages due to their patented multi-coil system. They excel thanks to their optimum switching distances, maximum flexibility and operational reliability as well as efficient standardization.

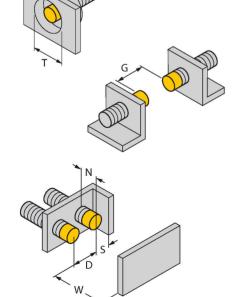


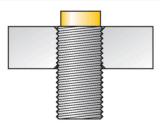
Technical data

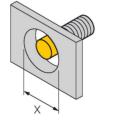
Threaded barrel, M30 x 1.5
62 mm
Metal, CuZn, PTFE-coated
Plastic, LCP, PTFE-coated
75 Nm
Connector, M12 × 1
-30+85 °C
55 Hz (1 mm)
30 g (11 ms)
IP68
874 years acc. to SN 29500 (Ed. 99) 40 °C
LED, Green
LED, Yellow

Mounting instructions

Mounting instructions/Description







Distance D	135 mm	
Distance W	3 x Sn	- ک
Distance T	3 x B	Serve
Distance S	1.5 x B	9
Distance G	6 x Sn	ange
Distance N	2 x Sn	ار د
Diameter active area B	Ø 30 mm	technic
the sensor operates sa switching distance.	this mounting position, afely with a 20 % reduced aperture plate, a distance	VI3011-MT30-AP6X2-H11411 02/21/2025 13-43 Technical changes reserved



Accessories

BST-30B

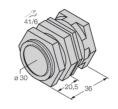
6947216

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

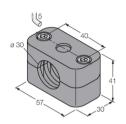
QMT-30

6945105

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



BSS-30 6901319



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