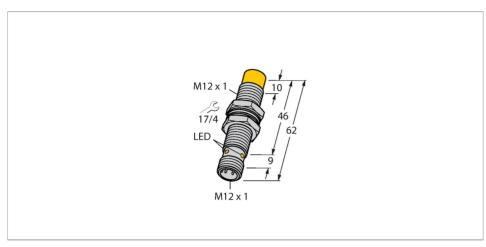


NI8U-M12E-VP4X-H1141 **Inductive Sensor**



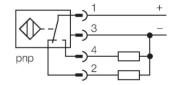
Technical data

NI8U-M12E-VP4X-H1141
1580454
8 mm
Non-flush
≤ (0.81 × Sn) mm
≤ 2 % of full scale
≤ ± 10 %
≤ ± 15 %, ≤ -25 °C v ≥ +70 °C
315 %
-30+85 °C
1065 VDC
≤ 10 % U _{ss}
≤ 200 mA
≤ 15 mA
≤ 0.1 mA
≤ 0.5 kV
yes / Cyclic
≤ 1.8 V
yes / Complete
4-wire, Complementary contact, PNP
2 kHz

Features

- ■M12 × 1 threaded barrel
- Long version
- Chrome-plated brass
- Factor 1 for all metals
- Protection class IP68
- Resistant to magnetic fields
- ■Extended temperature range
- High switching frequency
- ■DC 4-wire, 10...65 VDC
- Changeover contact, PNP output
- ■M12 x 1 male connector

Wiring diagram



Functional principle

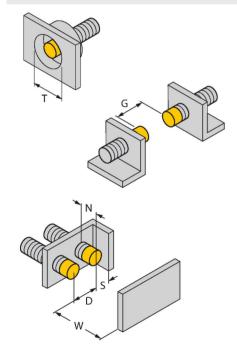
Inductive sensors are designed for wear-free and contactless detection of metal objects.

Technical data

Housing material	Metal, CuZn, Chrome-plated
Active area material	Plastic, PBT
Max. tightening torque of housing nut	10 Nm
Electrical connection	Connector, M12 × 1
Vibration resistance	55 Hz (1 mm)
Shock resistance	30 g (11 ms)
Protection class	IP68
MTTF	874 years acc. to SN 29500 (Ed. 99) 40 °C
Switching state	LED, Yellow

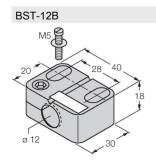
Mounting instructions

Mounting instructions/Description



Distance D	48 mm
Distance W	3 x Sn
Distance T	45 mm
Distance S	1.5 x B
Distance G	6 x Sn
Distance N	2 x Sn
Diameter active area B	Ø 12 mm

Accessories



6947212 Mounting clamp for threaded barrel sensors, with dead-stop; material: PA6



Quick-mount bracket with dead-stop; material: Chrome-plated brass. Male thread M16 × 1. Note: The switching distance of the proximity switches may change when using quick-mount brackets.

6945101

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



6901321

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

Wiring accessories

Dimension drawing Type Ident. no. RKC4.4T-2/TEL 6625013



Connection cable, female M12, straight, 4-pin, cable length: 2 m, sheath material: PVC, black; cULus approval; other cable lengths and qualities available, see www.turck.com