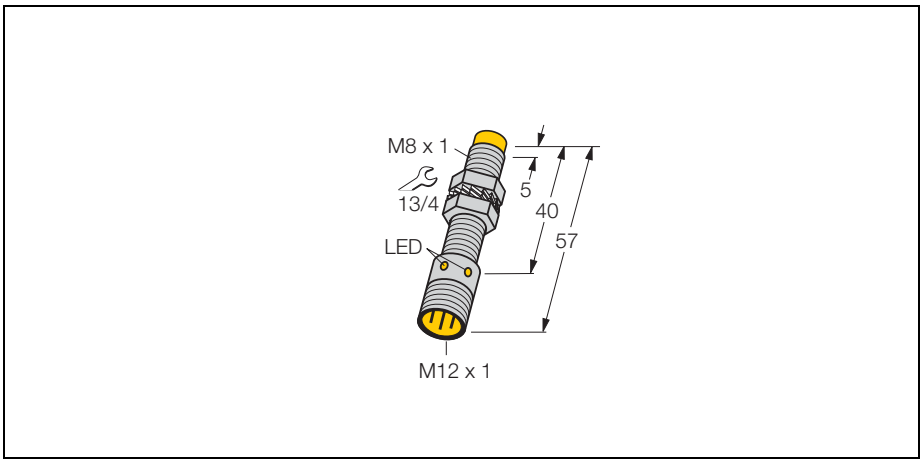
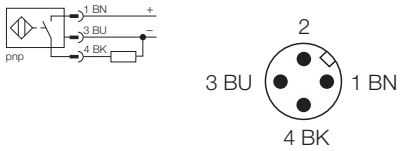
Inductive sensor
NI6U-EG08-AP6X-H1341



- **threaded barrel, M8 x 1**
- **stainless steel, 1.4404**
- **Factor 1 for all metals**
- **Degree of protection IP68**
- **Magnetic field immune**
- **high switching distance**
- **High switching frequency**
- **integrated predamping protection**
- **small metal-free zones**
- **DC 3-wire, 10…30 VDC**
- **NO contact, PNP output**
- **Male connector, M12 x 1**

Type	NI6U-EG08-AP6X-H1341
Ident-No.	4635802
Rated operating distance Sn	6 mm
Mounting condition	non-flush
Assured sensing range	≤ (0,81 x Sn) mm
Repeatability	≤ 2 %
Temperature drift	≤ ± 10 %
Hysteresis	3… 15 %
Ambient temperature	0…+ 70°C
Operating voltage	10… 30 VDC
Residual ripple	≤ 10 % U_{ss}
DC rated operational current	≤ 150 mA
No-load current I_0	≤ 15 mA
Residual current	≤ 0.1 mA
Rated insulation voltage	≤ 0.5 kV
Short-circuit protection	yes / cyclic
Voltage drop at I_e	≤ 1.8 V
Wire breakage / Reverse polarity protection	yes / complete
Output function	3-wire, NO contact, PNP
Protection class	⧈
Switching frequency	≤ 1kHz
Housing	threaded barrel, M8 x 1
Dimensions	57mm
Housing material	Metal, V2A (1.4301)
Material active face	Plastic, plastic, PA12-GF20
Tightening torque of housing nut	10 Nm
Electrical connection	Connectors, M12 x 1
Vibration resistance	55 Hz (1 mm)
Shock resistance	30g (11 ms)
Protection class	IP68
Switching state	LED yellow

Wiring diagram



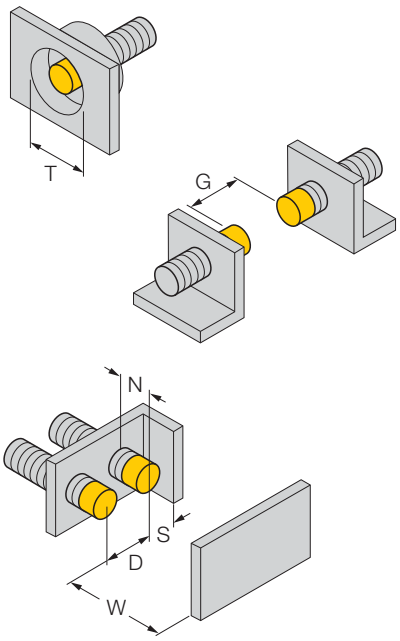
Functional principle

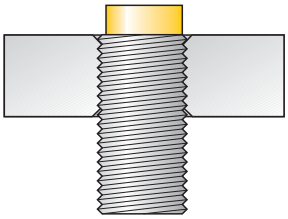
Inductive sensors detect metal objects contactless and wear-free. uprox®+ sensors have considerable advantages due to their patented multi-coil system. They excel in highest switching distances, maximum flexibility and operational reliability as well as efficient standardization.

• Edition: • 29.10.2010

Inductive sensor
NI6U-EG08-AP6X-H1341

Mounting instructions	minimum distances
Distance D	32 mm
Distance W	18 mm
Distance T	32 mm
Distance S	12 mm
Distance G	36 mm
Distance N	12 mm
Diameter of the active area B	Ø 8 mm

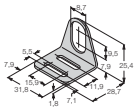




All non-flush mountable uprox®+ threaded barrel sensors can be screwed to the upper edge of the barrel. Thus safe operation is guaranteed with a reduced switching distance of max. 20 %.

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Accessories

Type code	Ident-No.	Short text	Dimension drawing
BST-08B	6947210	Fixing clamp with dead-stop; material: PA6	
MW-08	6945008	Mounting bracket; material: Stainless steel A2 1.4301 (AISI 304)	
BSS-08	6901322	Fixing clamp; material: Polypropylene	

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