

- Threaded barrel, M8 x 1
- Stainless steel, PTFE-coated
- Factor 1 for all metals
- Protection class IP68
- Resistant to magnetic fields
- High switching distance
- High switching frequency
- Integrated protection against pre-attenuation
- Little metal-free spaces
- 3-wire DC, 10...30 VDC
- NO contact, PNP output
- Male M12 x 1

Type code Ni6U-EGT08-AP6X-H1341
Ident no. 4635811

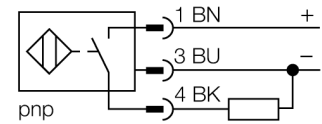
Rated operating distance Sn 6 mm
Mounting condition non-flush
Assured sensing range $\leq (0,81 \times S_n)$ mm
Repeatability $\leq 2\%$ of full scale
Temperature drift 10 %
 $\leq \pm 20\%, \leq 0\text{ }^\circ\text{C}$
Hysteresis 3...15 %
Ambient temperature -25...+70 °C

Operating voltage 10...30VDC
Residual ripple $\leq 10\% U_{ss}$
DC rated operational current $\leq 150\text{ mA}$
No-load current I_0 $\leq 15\text{ mA}$
Residual current $\leq 0.1\text{ mA}$
Rated insulation voltage $\leq 0.5\text{ kV}$
Short-circuit protection yes/ cyclic
Voltage drop at I_0 $\leq 1.8\text{ V}$
Wire breakage / Reverse polarity protection yes/ complete
Output function 3-wire, NO contact, PNP
Protection class \square
Switching frequency 1 kHz

Design threaded barrel, M8 x 1
Dimensions 57 mm
Housing material stainless steel, 1.4427 SO, PTFE-coated
Material active area Plastic, PP, PTFE-coated
Max. tightening torque housing nut 10 Nm
Connection male, M12 x 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

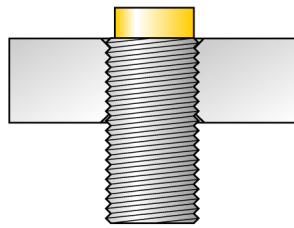
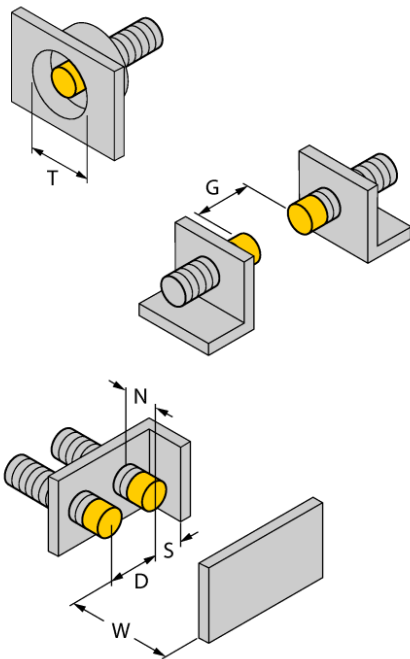
Wiring diagram



Functional principle

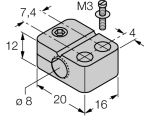
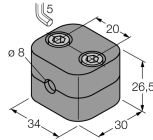
Inductive sensors detect metal objects contactless and wear-free. Due to the patented multi-coil system, uprox®+ sensors have distinct advantages over conventional sensors. They excel in largest switching distances, maximum flexibility and operational reliability as well as efficient standardization.

Distance D	3 x B
Distance W	3 x Sn
Distance T	3 x B
Distance S	1.5 x B
Distance G	6 x Sn
Distance N	2 x Sn
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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 %.

Accessories

Type code	Ident no.	Description	Dimension drawing
BST-08B	6947210	Fixing clamp for threaded barrel devices, with dead-stop; material: PA6	 <p>Technical drawing of a rectangular fixing clamp. Dimensions: width 20, height 16, depth 12. A hole with diameter 8 is on the front face. A hole with diameter 7.4 is on the top face. An M3 screw is shown passing through the top hole. A small protrusion of height 4 is on the right side.</p>
BSS-08	6901322	Mounting bracket for smooth and threaded barrel devices; material: Polypropylene	 <p>Technical drawing of a rectangular mounting bracket. Dimensions: width 34, height 26.5, depth 20. A hole with diameter 8 is on the front face. A hole with diameter 15 is on the top face.</p>