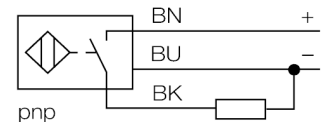


- Threaded barrel, M8 x 1
- Stainless steel, 1.4404
- Factor 1 for all metals
- Protection class IP68
- Magnetic field immune
- High switching distance
- High switching frequency
- Integrated predamping protection
- Limited metal-free spaces
- DC 3-wire, 10...30 VDC
- NO contact, PNP output
- Cable connection

Type	NI6U-EG08-AP6X
Ident-No.	4635800
Rated operating distance S_n	6 mm
Mounting condition	non-flush
Assured sensing range	$\leq (0,81 \times S_n)$ mm
Repeatability	$\leq 2\%$
Temperature drift	$\leq \pm 10\%$
Hysteresis	3...15
Ambient temperature	0...+70
Operating voltage	10...30
Residual ripple	$\leq 10\% U_{SS}$
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	≤ 1 kHz
Design	threaded barrel, M8 x 1
Dimensions	41.6
Housing material	Metal, V4A (1.4404)
Material active face	Plastic, PP-GF30
End cap	Plastic, PP
Tightening torque of housing nut	10 Nm
Connection	cable
Cable quality	4 mm, LifYY-11Y, PUR, 2m
Cable cross section	3 x 0.25
Vibration resistance	55 Hz (1 mm)
Shock resistance	30 g (11 ms)
Protection class	IP68
Switching state	LED yellow

Wiring diagram

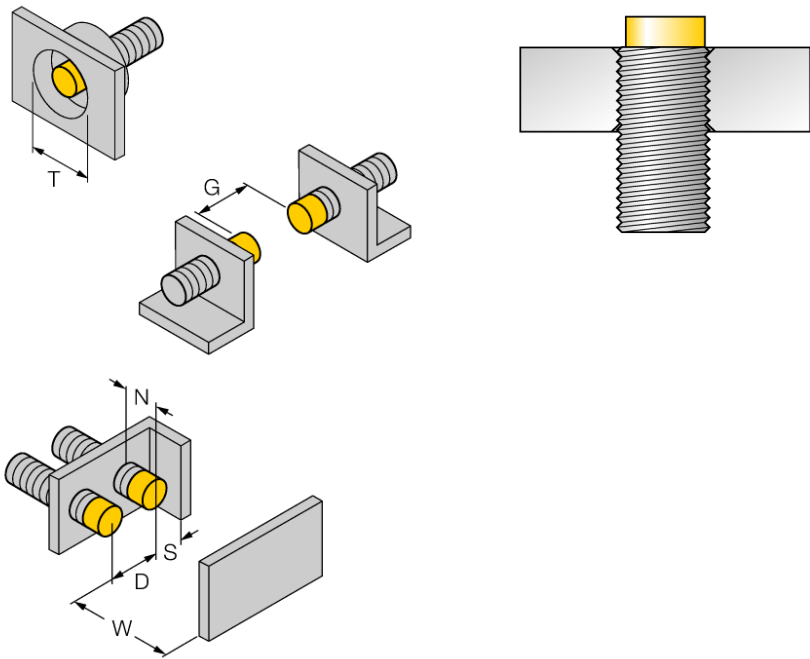


Functional principle

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.

Mounting instructions	minimum distances
Distance D	32 mm
Distance W	18 mm
Distance T	36 mm
Distance S	12 mm
Distance G	36 mm
Distance N	12 mm

Diameter of the active area B	\varnothing 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.	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	