

- 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

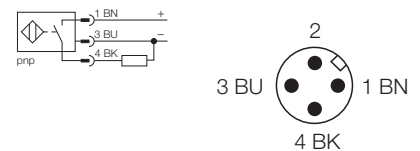
Rated operating distance S_n	6 mm
Mounting condition	non-flush
Assured sensing range	$\leq (0,81 \times S_n)$ mm
Repeatability	$\leq 2 \%$
Temperature drift	$\leq \pm 10 \%$
Hysteresis	3... 15 %
Ambient temperature	0...+ 70°C

Operating voltage	10... 30 VDC
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

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
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Wiring diagram

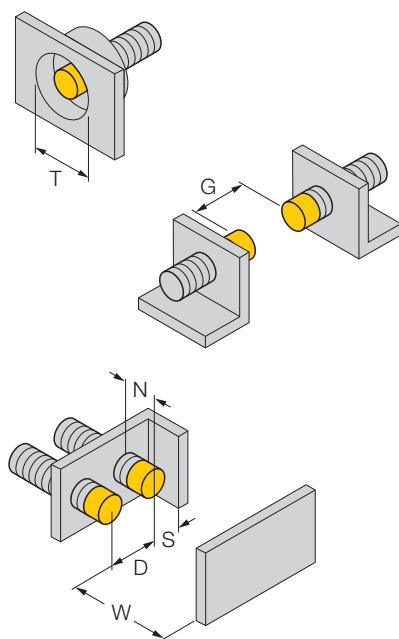


Functional principle

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.

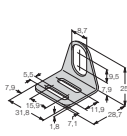
Mounting instructions	minimum distances
Distance D	32 mm
Distance W	18 mm
Distance T	32 mm
Distance S	12 mm
Distance G	36 mm
Distance N	12 mm

Diameter of the active area B	Ø 8 mm
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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	