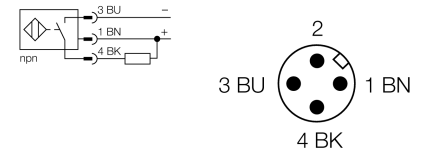


- Threaded barrel, M8 x 1
- Stainless steel, 1.4427 SO
- Factor 1 for all metals
- Protection class IP68
- Resistant to magnetic fields
- High switching distance
- High switching frequency
- Integrated protection against pre-attenuation
- Little metal-free spaces
- 3-wire DC, 10...30 VDC
- NO contact, NPN output
- Male M12 x 1

<b>Type code</b>	NI6U-EG08-AN6X-H1341
<b>Ident no.</b>	4635805
<b>Rated operating distance Sn</b>	6 mm
<b>Mounting condition</b>	non-flush
<b>Assured sensing range</b>	$\leq (0,81 \times S_n)$ mm
<b>Repeatability</b>	$\leq 2\%$ of full scale
<b>Temperature drift</b>	10 %
	$\leq \pm 20\%, \leq 0\text{ }^\circ\text{C}$
<b>Hysteresis</b>	3...15 %
<b>Ambient temperature</b>	-25...+70 °C
<b>Operating voltage</b>	10...30VDC
<b>Residual ripple</b>	$\leq 10\%$ U <sub>ss</sub>
<b>DC rated operational current</b>	$\leq 150$ mA
<b>No-load current I<sub>0</sub></b>	$\leq 15$ mA
<b>Residual current</b>	$\leq 0.1$ mA
<b>Rated insulation voltage</b>	$\leq 0.5$ kV
<b>Short-circuit protection</b>	yes/ cyclic
<b>Voltage drop at I<sub>0</sub></b>	$\leq 1.8$ V
<b>Wire breakage / Reverse polarity protection</b>	yes/ complete
<b>Output function</b>	3-wire, NO contact, NPN
<b>Protection class</b>	IP68
<b>Switching frequency</b>	1 kHz
<b>Design</b>	threaded barrel, M8 x 1
<b>Dimensions</b>	57 mm
<b>Housing material</b>	stainless steel, 1.4427 SO
<b>Material active area</b>	Plastic, PA
<b>Max. tightening torque housing nut</b>	10 Nm
<b>Connection</b>	male, M12 x 1
<b>Vibration resistance</b>	55 Hz (1 mm)
<b>Shock resistance</b>	30 g (11 ms)
<b>Protection class</b>	IP68
<b>MTTF</b>	874 years acc. to SN 29500 (Ed. 99) 40 °C
<b>Switching state</b>	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	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**                       $\varnothing$  8 mm



All non-flush mountable *uprox<sup>+</sup>* 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	
MW-08	6945008	Mounting bracket for threaded barrel devices; material: Stainless steel A2 1.4301 (AISI 304)	
BSS-08	6901322	Mounting bracket for smooth and threaded barrel devices; material: Polypropylene	

### Wiring accessories

Type code	Ident no.	Description	Dimension drawing
RKCV4T-2/TEL	6626900		