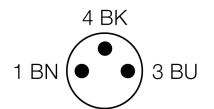
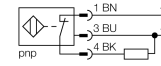


- Threaded barrel, M8 x 1
- Stainless steel, 1.4427 SO
- Factor 1 for all metals
- Protection class IP68
- Resistant to magnetic fields
- Extended temperature range
- High switching frequency
- DC 3-wire, 10...30 VDC
- NC contact, PNP output
- M8 x 1 male connector

Wiring diagram



Functional principle

Inductive sensors detect metal objects contactless and wear-free. *uprox®* Factor 1 sensors have significant advantages due to their patented ferrite-coreless multicoil system. They detect all metals at the same large switching distance and are resistant to magnetic fields.

Type code	Ni4U-EG08-RP6X-V1131
Ident-No.	4600625
Ident-No (TUSA)	S4600625
Rated operating distance Sn	4 mm
Mounting condition	non-flush
Assured switching distance	≤ (0,81 x Sn) mm
Repeatability	≤ 2 % of full scale
Temperature drift	≤ ± 10 %
Hysteresis	≤ ± 15 %, ≤ -25 °C v ≥ +70 °C
Ambient temperature	-30...+85 °C
Operating voltage	10...30VDC
Residual ripple	≤ 10 % U _s
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 ₀	≤ 1.8 V
Wire breakage / Reverse polarity protection	yes/ complete
Output function	3-wire, NC contact, PNP
Protective insulation	☐
Switching frequency	2 kHz
Construction	threaded barrel, M8 x 1
Dimensions	49 mm
Housing material	stainless steel, 1.4427 SO
Material active area	plastic, PA
Max. tightening torque housing nut	5 Nm
Connection	male, M8 x 1
Vibration resistance	55 Hz (1 mm)
Shock resistance	30 g (11 ms)
IP Rating	IP68
MTTF	874 years acc. to SN 29500 (Ed. 99) 40 °C
Switching state	LED yellow

**Inductive sensor
Ni4U-EG08-RP6X-V1131**

Distance D	32 mm
Distance W	12 mm
Distance T	32 mm
Distance S	12 mm
Distance G	24 mm
Distance N	8 mm

Diameter of the active area B \varnothing 8 mm

