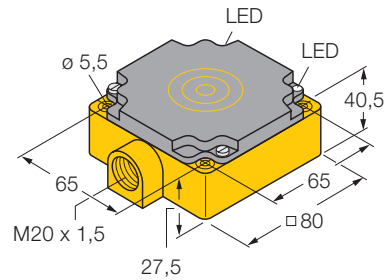




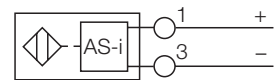
Inductive sensor with extended switching distance Ni75U-CP80-ASIX2

TURCK



- rectangular, height 41 mm
- plastic, PBT-GF30-V0
- factor 1 for all metals
- magnetic field immune
- extended switching distance
- extended temperature range
- high switching frequency
- AS-Interface, 18...33 VDC
- terminal chamber

Wiring diagram



Function principles

Inductive proximity switches are designed for wear-free non-contact detection of metal objects. Due to a ferrite-less 3-coil system, Uprox factor 1 sensor have distinct advantages. The detect all metals at the same switching distance, are magnetic field immune and feature large switching distances.

Type	Ni75U-CP80-ASIX2
Ident-No.	1901010
Rated operating distance S_n	75 mm
Mounting mode	non-flush
Hysteresis (switching distance)	3... 15 %
Min. repeat accuracy	$\leq 2 \%$
Temperature drift	$\leq \pm 10 \%$
Operating temperature	$\leq \pm 15 \%$, $\leq -25 \text{ °C}$ v $\geq +70 \text{ °C}$ -30 ...+ 85 °C
Rated operational voltage (DC) U_B	18... 33 VDC
No-load current I_0	$\leq 30 \text{ mA}$
Max. switching frequency	$\leq 0,2 \text{ kHz}$
Rated insulation voltage	$\leq 0,5 \text{ kV}$
Output function	2-wire, ASI-BUS
E/A-Configuration (HEX) / ID-Code (HEX)	1 / 1
I/O matrix input	0 = switching signal 1 - 3 = not used
I/O matrix output	0 - 3 = not used
Protection class	□
Housing style	rectangular; CP80
Dimensions	80 x 80 x 41 mm
Housing material	plastic, PBT-GF30-V0
Active face	plastic, PBT-GF30-V0
Wiring	terminal chamber
Clamping ability	$\leq 2,5 \text{ mm}^2$
Vibration resistance	55 Hz (1 mm)
Shock resistance	30 x g (11 ms)
Degree of protection	IP67
Supply voltage indication	LED green
Switching status indication	LED yellow



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Mounting instructions

Gap D	3 x B
Gap W	3 x Sn
Gap S	1,5 x B
Gap G	6 x Sn
Gap N	1 x B
Gap A	1 x B
Gap C	1 x B

Width of active face B

80 mm

