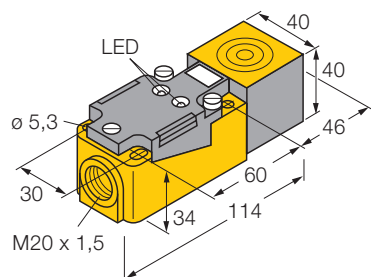


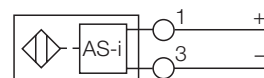
Inductive sensor with extended switching distance Ni40U-CP40-ASIX2

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- rectangular, height 40 mm
- plastic, PBT-GF30-V0
- factor 1 for all metals
- degree of protection IP68
- extended switching distance
- magnetic field immune
- 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	Ni40U-CP40-ASIX2
Ident.-No.	1901008
Rated operating distance S_n	40 mm
Mounting mode	non-flush
Hysteresis (switching distance)	3... 15 %
Min. repeat accuracy	≤ 2 %
Temperature drift	≤ ± 10 %
	≤ ± 15 %, ≤ -25 °C v ≥ +70 °C
Operating temperature	-30 ...+ 85 °C
Rated operational voltage (DC) U_B	18... 33 VDC
No-load current I ₀	≤ 30 mA
Max. switching frequency	≤ 0,2 kHz
Rated insulation voltage	≤ 0,5 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; CP40
Dimensions	114 x 40 x 40 mm
Housing material	plastic, PBT-GF30-V0
Active face	plastic, PBT-GF30-V0
Wiring	terminal chamber
Clamping ability	≤ 2,5 mm ²
Vibration resistance	55 Hz (1 mm)
Shock resistance	30 x g (11 ms)
Degree of protection	IP68
Supply voltage indication	LED green
Switching status indication	LED yellow



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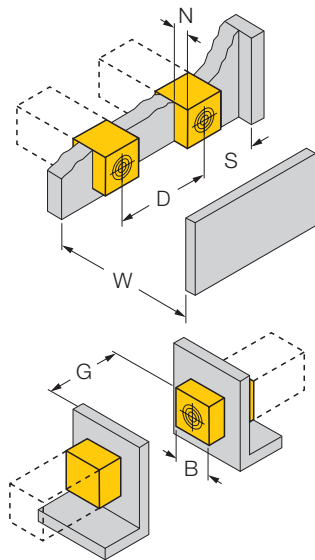
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Mounting instructions

Gap D	minimum gap 6 x B
Gap W	3 x Sn
Gap S	1,5 x B
Gap G	6 x Sn
Gap N	1 x B

Width of active face B

40 mm





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Accessories

Typ	Ident-No.	Description	Dimension drawing
SG40	69500	protective housing; housing material: PA (per UL94/V-2); cover: PBT-GF30; for harsh environments; protection degree IP68, 5 m w.g.	
JS 025/037	69429	mounting rail; material: VA 1.4301	