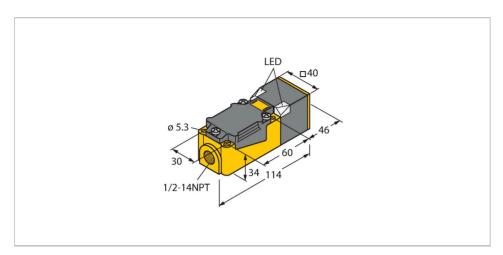


NI40U-CP40-VN4X2/S10 Inductive Sensor - With Extended Switching Distance



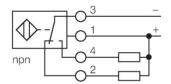
Technical data

Туре	NI40U-CP40-VN4X2/S10
ID	1540611
Special version	S10 Corresponds to:Mounting base with 1/2-14NPT thread
General data	
Rated switching distance	40 mm
Mounting conditions	Non-flush
Secured operating distance	≤ (0.81 × Sn) mm
Repeat accuracy	≤ 2 % of full scale
	≤ ± 20 %, ≤ -25 °C v ≥ +70 °C
Hysteresis	315 %
Electrical data	
Operating voltage U _B	1065 VDC
Ripple U _{ss}	≤ 10 % U _{Bmax}
DC rated operating current I _e	≤ 200 mA
No-load current	≤ 15 mA
Residual current	≤ 0.1 mA
Isolation test voltage	0.5 kV
Short-circuit protection	yes/Cyclic
Voltage drop at I _e	≤ 1.8 V
Wire break/reverse polarity protection	yes/Complete
Output function	4-wire, Complementary contact, NPN
DC field stability	300 mT
AC field stability	300 mT _{ss}

Features

- Rectangular, height 40 mm
- Variable orientation of active face in 9 directions
- Plastic, PBT-GF30-V0
- High luminance corner LEDs
- ■Optimum view on supply voltage and switching state from any position
- Factor 1 for all metals
- ■Increased switching distance
- ■Protection class IP68
- Large coverage
- Resistant to magnetic fields
- ■Extended temperature range
- High switching frequency
- ■DC 4-wire, 10...65 VDC
- Changeover contact, NPN output
- ■Terminal chamber

Wiring diagram



Functional principle

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

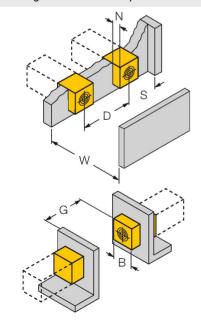


Technical data

0.25 kHz
Rectangular, CP40
114 x 40 x 40 mm
Plastic, PBT-GF30-V0, Black
Plastic, PA6-GF30-X, yellow
Terminal chamber
≤ 2.5 mm²
-30+85 °C
FF 11= (4)
55 Hz (1 mm)
30 g (11 ms)
30 g (11 ms)
30 g (11 ms) IP68 874 years acc. to SN 29500 (Ed. 99) 40

Mounting instructions

Mounting instructions/Description



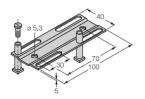
Distance D	3 x B
Distance W	120 mm
Distance T	140 mm
Distance S	60 mm
Distance G	240 mm
Distance N	1 x B
Width active area B	40 mm



Accessories

JS025/037 69429

Adjusting bar for rectangular housings CK/CP40; material: VA 1.4301



BSS-CP40

6901318

Mounting clamp for rectangular housings 40 x 40 mm; material: Polypropylene

