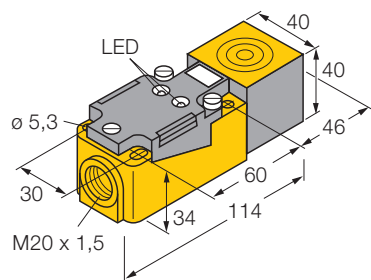




Inductive sensor

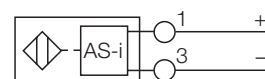
Bi15U-CP40-ASIX2

TURCK



- rectangular, height 40 mm
- plastic, PBT-GF30-V0
- factor 1 for all metals
- degree of protection IP68
- 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.

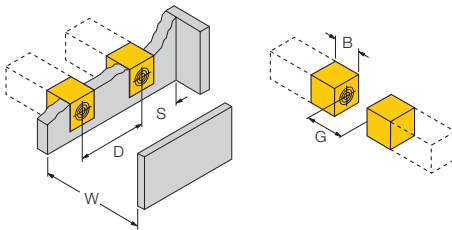
Type	Bi15U-CP40-ASIX2
Ident-No.	1901003
Rated operating distance S_n	15 mm
Mounting mode	flush
Hysteresis (switching distance)	3... 15 %
Min. repeat accuracy	$\leq 2 \%$
Temperature drift	$\leq \pm 10 \%$
Operating temperature	$\leq \pm 15 \%$, $\leq -25 \text{ °C}$ v $\geq +70 \text{ °C}$ -30 ...+ 85 °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; 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	$\leq 2,5 \text{ mm}^2$
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



Inductive sensor

Bi15U-CP40-ASIX2

Mounting instructions	minimum gap
Gap D	$2 \times B$
Gap W	$3 \times S_n$
Gap S	$1 \times B$
Gap G	$6 \times S_n$
Width of active face B	40 mm





Inductive sensor

Bi15U-CP40-ASIX2

TURCK

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	