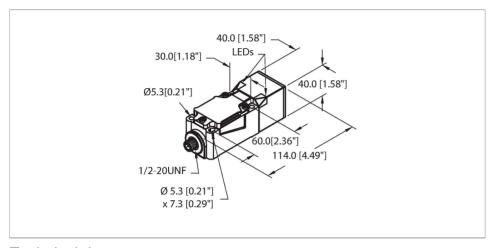


# BI15U-CP40-FDZ30X2-B3131 **Inductive Sensor**



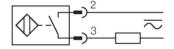
### Technical data

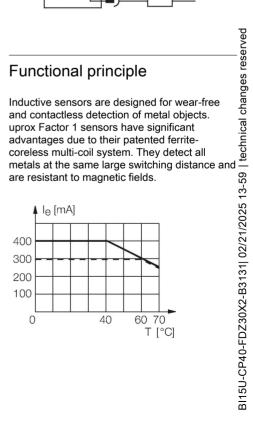
Type	BI15U-CP40-FDZ30X2-B3131
ID	4280690
General data	
	15 mm
Rated switching distance	
Mounting conditions	Flush
Secured operating distance	≤ (0.81 × Sn) mm
Repeat accuracy	≤ 2 % of full scale
	≤ ± 15 %, ≤ -25 °C v ≥ +70 °C
Hysteresis	315 %
Electrical data	
Operating voltage U <sub>B</sub>	20250 VAC
Operating voltage U <sub>B</sub>	10300 VDC
AC rated operational current	≤ 400 mA
DC rated operating current I <sub>o</sub>	≤ 300 mA
Frequency	≥ 50≤ 60 Hz
Residual current	≤ 1.7 mA
Isolation test voltage	1.5 kV
Surge current	≤ 3 A (≤ 20 ms max. 5 Hz)
Short-circuit protection	yes/Latching
Voltage drop at I <sub>e</sub>	≤ 6 V
Wire break/reverse polarity protection	yes/Complete
Output function	2-wire, Connection programmable, 2-wire
DC field stability	300 mT
AC field stability	300 mT <sub>ss</sub>

### **Features**

- Rectangular, height 40 mm
- Variable orientation of active face in 9 directions
- Plastic, PBT-GF30-VO
- High-luminance corner LEDs
- Optimum view of operating voltage and switching state from any position
- Factor 1 for all metals
- Protection class IP68
- Resistant to magnetic fields
- ■Extended temperature range
- High switching frequency
- ■AC 2-wire, 20...250 VDC
- ■DC 2-wire, 10...300 VDC
- ■NC/NO programmable
- ■1/2" connector

### Wiring diagram



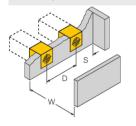


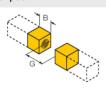
### Technical data

≥ 3 mA
0.01 kHz
Rectangular, CP40
114 x 40 x 40 mm
Plastic, PBT-GF30-V0, Black
Plastic, PA6-GF30-X, yellow
metal
Connector, 1/2"
-30+85 °C
55 Hz (1 mm)
30 g (11 ms)
IP68
874 years acc. to SN 29500 (Ed. 99) 40 °C
2 × LEDs, Green
2 × LEDs, Yellow

## Mounting instructions

### Mounting instructions/Description





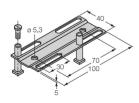
Distance D	2 × B
Distance W	3 x Sn
Distance S	1 × B
Distance G	6 x Sn
Width active area B	40 mm

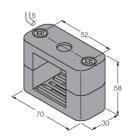
6901318

### Accessories

JS025/037 69429

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





BSS-CP40

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