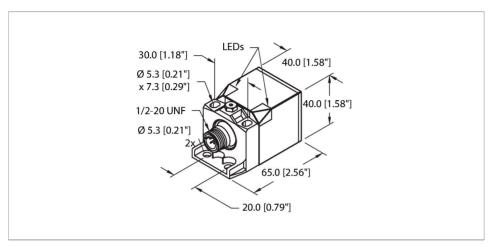


# BI15U-CK40-ADZ30X2-B3131 W/BS 2.1 Inductive Sensor



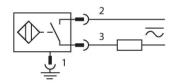
## Technical data

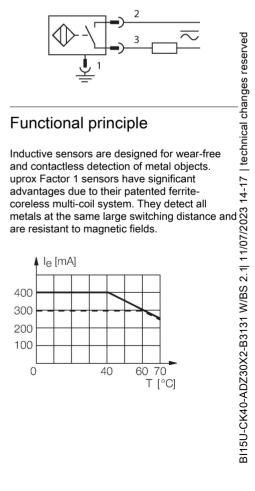
Туре	BI15U-CK40-ADZ30X2-B3131 W/BS 2.1
ID	4280091
General data	
Rated switching distance	15 mm
Mounting conditions	Flush
Secured operating distance	≤ (0.81 × Sn) mm
Repeat accuracy	≤ 2 % of full scale
- Topour accuracy	≤± 15 %, ≤ -25 °C v ≥ +70 °C
Hysteresis	315 %
Electrical data	J 10 70
	20250 VAC
Operating voltage	10300 VDC
Operating voltage	
AC rated operational current	≤ 400 mA
DC rated operational current	≤ 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 breakage/Reverse polarity protection	yes / Complete
Output function	2-wire, NO contact, 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 5 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
- Protection class IP68
- Resistant to magnetic fields
- ■Extended temperature range
- High switching frequency
- ■AC 2-wire, 20...250 VAC
- ■DC 2-wire, 10...300 VDC
- ■NO contact
- ■1/2" male connector

## Wiring diagram





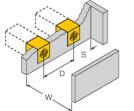


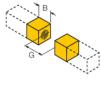
## Technical data

Smallest operating current	≥ 3 mA
Insulation class	
Switching frequency	0.01 kHz
Mechanical data	
Design	Rectangular, CK40
Dimensions	65 x 40 x 40 mm
	variable orientation of active face in 5 directions
Housing material	Plastic, PBT-GF20-V0, Black
Active area material	Plastic, PA12-GF30, yellow
Electrical connection	Connector, 1/2"
Environmental conditions	
Ambient temperature	-30+85 °C
Vibration resistance	55 Hz (1 mm)
Shock resistance	30 g (11 ms)
Protection class	IP68
MTTF	874 years acc. to SN 29500 (Ed. 99) 40 °C
Power-on indication	2 × LEDs, Green
Switching state	2 × LEDs, Yellow
Included in delivery	BS2.1-CK40

# Mounting instructions

## Mounting instructions/Description





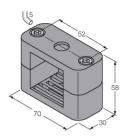
2 × B
3 x Sn
1 × B
6 x Sn
40 mm



## Accessories

## BSS-CP40

6901318



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