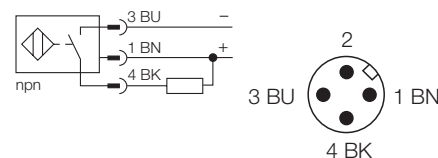


- Rectangular, height 40 mm
- Variable orientation of active face in 5 directions
- Plastic, PBT-GF30-V0
- High luminance corner LEDs
- Optimum visibility of operating-voltage display and switching state in any installation position
- factor 1 for all metals
- degree of protection IP68
- magnetic field immune
- large detection range
- high switching frequency
- 3-wire DC, 10...30 VDC
- normally open npn output
- connector, M12 x 1

#### Wiring diagram



#### Functional principle

Inductive sensors are designed for wear-free and non-contact detection of metal objects. uprox+ sensors have considerable advantages due to their patented multi-coil system. They excel in highest switching distances, maximum flexibility and operational reliability as well as efficient standardisation.

<b>Type</b>	Bi20U-CK40-AN6X2-H1141
Ident-No.	1627231
<b>Rated operating distance Sn</b>	20 mm
Mounting condition	flush
Assured sensing range	(0,81 x Sn) mm
Repeatability	2 %
Temperature drift	± 10 %
Hysteresis	3... 15 %
Ambient temperature	0...+ 70 °C
<b>Operating voltage</b>	10... 30VDC
Residual ripple	10 % U <sub>SS</sub>
DC rated operational current	200 mA
No-load current I <sub>0</sub>	15 mA
Residual current	0.1 mA
Rated insulation voltage	0.5 kV
Short-circuit protection	yes / cyclic
Voltage drop at I <sub>e</sub>	1.8V
Wire breakage / Reverse polarity protection	yes / complete
Output function	3-wire, normally open, npn
Insulation class	
Switching frequency	0.25 kHz
<b>Housing</b>	rectangular, CK40
Dimensions	65 x 40 x 40 mm variable orientation of active face in 5 directions
Housing material	plastic, PBT-GF20-V0, black
Material active face	plastic, PA6-GF30-X, yellow
Connection	connectors, M12 x 1
Vibration resistance	55 Hz (1 mm)
Shock resistance	30g (11 ms)
Degree of protection	IP68
<b>Operating voltage display</b>	2 x LEDs green
Display switch state	2 x LED yellow
Included in scope of supply	BS1-CK40

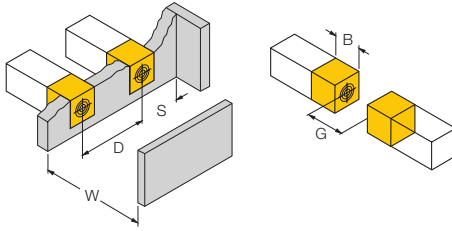
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<b>Mounting instructions</b>	minimum distances
Distance D	80 mm
Distance W	60 mm
Distance S	40 mm
Distance G	120 mm

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<b>Width of the active face B</b>	40 mm
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**Accessories**

Type code	Ident-No.	Short text	Dimension drawing
BSS-CP40	6901318	fixing clamp; material: polypropylene	