

- Rectangular, height 40 mm
- Variable orientation of active face in 5 directions
- Plastic, PBT-GF30-V0
- Mounting only with included plastic clip BS4-CK40
- Factor 1 for all metals
- Protection class IP68
- Magnetic field immune
- Extended temperature range
- High switching frequency
- AC 2-wire, 20...250 VAC
- DC 2-wire, 10...300 VDC
- NO contact
- Connector, 7/8"

**Type code** NI25U-CK40-ADZ30X2-B1131  
**Ident no.** 4280210

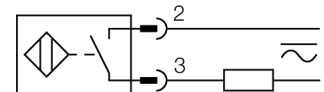
**Rated operating distance Sn** 25 mm  
**Mounting condition** non-flush  
**Assured sensing range** ≤ (0,81 x Sn) mm  
**Repeatability** ≤ 2 % of full scale  
**Temperaturdrift** 10 %  
 ≤ ± 15 %, ≤ -25 °C v ≥ +70 °C  
**Hysteresis** 3...15 %  
**Ambient temperature** -30...+85 °C

**Operating voltage** 20...250 VAC  
 10...300VDC  
**AC rated operational current** ≤ 400 mA  
**DC rated operational current** ≤ 300 mA  
**Frequency** ≥ 50...≤ 60 Hz  
**Residual current** ≤ 1.7 mA  
**Rated insulation voltage** ≤ 1.5 kV  
**Surge current** ≤ 3 A (≤ 20 ms max. 5 Hz)  
**Short-circuit protection** yes/ latching  
**Voltage drop at I<sub>v</sub>** ≤ 6 V  
**Wire breakage / Reverse polarity protection** yes/ complete  
**Output function** 2-wire, NO contact  
**Smallest operating current I<sub>m</sub>** ≤ 3 mA  
**Protection class** □  
**Switching frequency** 0.01 kHz

**Design** rectangular, CK40  
**Dimensions** 65x 40x 40 mm  
 variable orientation of active face in 5 directions  
**Housing material** Plastic, PBT, black  
**Connection** male, 7/8"  
**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

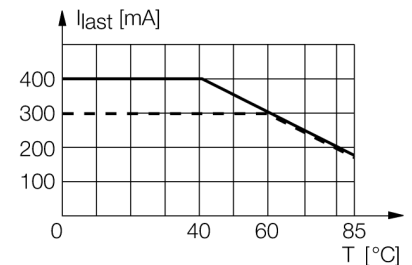
**Operating voltage** LED green  
**Switching state** ● yellow  
**Included in scope of supply** BS4-CK40

**Wiring diagram**



**Functional principle**

Inductive sensors detect metal objects contactless and wear-free. Due to the patented ferrite-less 3-coil system, uprox® factor 1 sensors have distinct advantages compared to conventional sensors. They detect all metals at the same switching distance, are magnetic field immune and feature large switching distances.



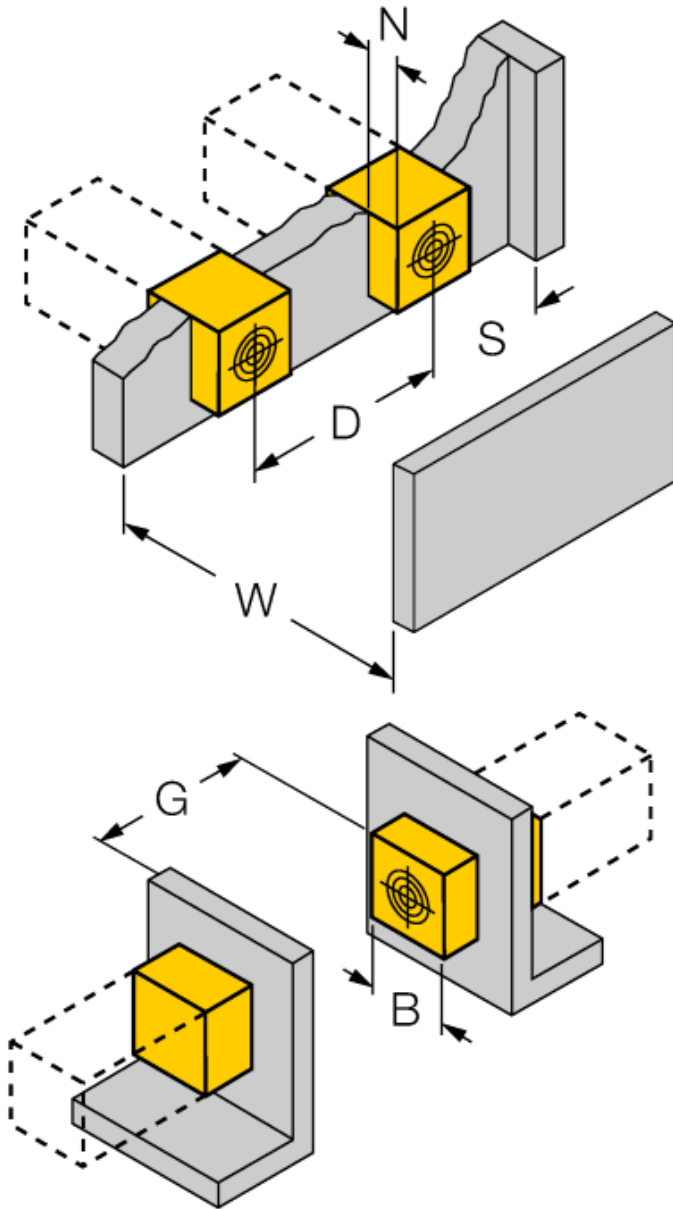
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Distance D	240 mm
Distance W	75 mm
Distance S	20 mm
Distance G	150 mm
Distance N	30 mm

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Width of the active face B	40 mm
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**Accessories**

Type code	Ident no.	Description	Dimension drawing
BSS-CP40	6901318	Mounting bracket for rectangular devices; material: Polypropylene	