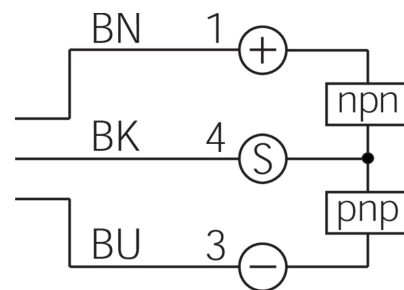
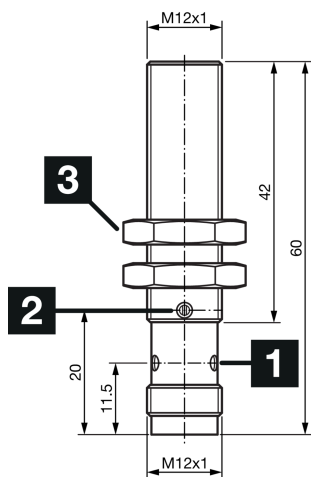




210634
KNS M12M 04B G3-B3
Capacitive proximity sensor

- Large operating distance
- Detection of liquids, powdery and solid materials
- Detecting metal and non-metal parts
- Detection possible even through containers and packaging
- Sensitivity is adjustable via multi-turn potentiometer
- NO/NC, switchable
- Push-pull output pnp + npn
- Stainless steel housing



1) LED 4 x 90° (yellow)
 2) sensitivity

3) Width over flats 17 mm

BK: black

BN: brown

BU: blue

Function



Technical data (typ.)

+20°C, 24 V DC

Electrical features

Service voltage	18 ... 30 V DC
No-load current (max.)	15 mA (24 V DC)
Insulation voltage endurance	500 V

Mechanical features

Installation type	Flush
Thread	M12 x 1
Housing length	60 mm
Housing material	Stainless steel
Material	PBT (Sensor probe)

Certifications, approvals

Protection class	III, operation on protective low voltage
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General features

Operating principle	Capacitive
Design	Thread

Functional scope

Scope of delivery	Setting tool
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210634
KNS M12M 04B G3-B3
Capacitive proximity sensor

Technical data (typ.)

+20°C, 24 V DC

Output, input, interface

Switching output	Push-pull, 100 mA, NO/NC, switchable
Voltage drop (max.)	2 V

Detection range, measuring range, tolerance limits

Switching distance (SN)	4 mm (0.1 to 8 mm adjustable)
Standardized measuring plate	12 x 12 x 1 mm
Switching hysteresis (max.)	15 %

Display, operation

Sensitivity adjustment	Potentiometer (12-turn)
Display	LED yellow - Output signal

Time behavior

Switching frequency	100 Hz
Readiness delay (max.)	300 ms

Ambient conditions

Shock/vibration load	30 g, 10 ... 55 Hz / 0.5 mm
Ambient temperature during operation	-20 ... +70 °C
Protection type	IP 65 / IP 67

Electrical connection

Connection	Connector, M12, 3-pin, A-coded
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More information / accessories

<https://www.di-soric.com/210634>