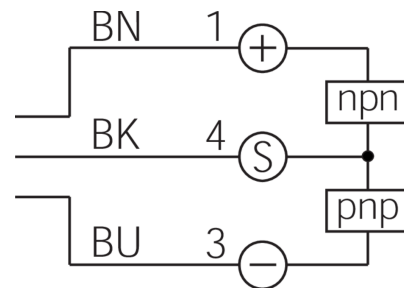
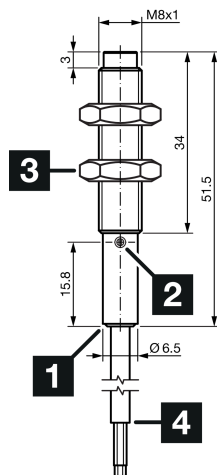




209758
KNS M8M 03N G3-2R
Capacitive proximity sensor

- 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
 2) sensitivity

3) Width over flats 13 mm
 4) Connection cable

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	non-flush
Thread	M8 x 1
Housing length	51.5 mm
Housing material	Stainless steel (AISI316L)
Material of cable	Polyurethane
Material	PPT (Sensor probe)
Weight	35 g

Certifications, approvals

Protection class	III, operation on protective low voltage
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General features

Operating principle	Capacitive
Design	Thread



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Capacitive proximity sensor

Technical data (typ.)		+20°C, 24 V DC
Functional scope		
Scope of delivery	Sensor, 2 x M8 nuts, Setting tool	
Output, input, interface		
Switching output	Push-pull, 100 mA, NO/NC	
Voltage drop (max.)	2.4 V	
Interface	No	
Detection range, measuring range, tolerance limits		
Switching distance (SN)	3 mm (0.1 to 4 mm adjustable)	
Standardized measuring plate	8 x 8 x 1 mm	
Switching hysteresis (max.)	15 %	
Display, operation		
Sensitivity adjustment	Potentiometer (11-turn)	
Display	LED yellow - Output signal	
Time behavior		
Switching frequency	100 Hz	
Readiness delay (max.)	300 ms	
Ambient conditions		
Ambient temperature during operation	-25 ... +70 °C	
Protection type	IP 65 / IP 67	
Electrical connection		
Connection	Cable, 2.0 m, 3-pin, 3 x 0.14 mm²	
More information / accessories		https://www.di-soric.com/209758