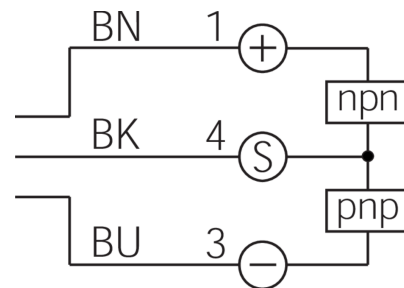
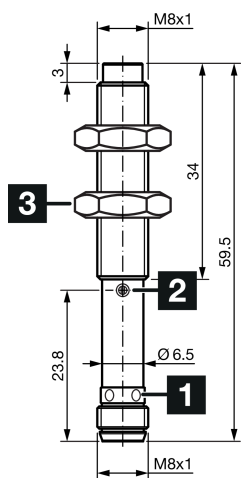




209757
KNS M8M 03N G3-T3
Capacitive proximity sensor

- 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 13 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	non-flush
Thread	M8 x 1
Housing length	59.5 mm
Housing material	Stainless steel
Material	PPT (Sensor probe)
Weight	10 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		Setting tool
Output, input, interface		
Switching output		Push-pull, 100 mA, NO/NC
Voltage drop (max.)		2.4 V
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		Connector, M8, 3-pin, A-coded
More information / accessories		https://www.di-soric.com/209757