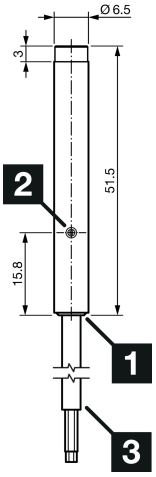
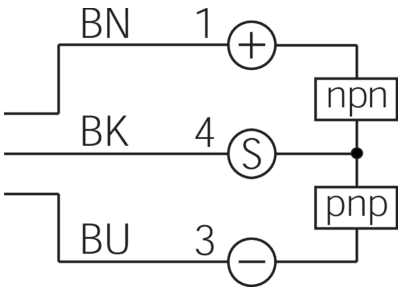
209762
KNS D6.5M 03N G3-2R
Capacitive proximity sensor

- 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) 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
Diameter	Ø 6.5 mm (Diameter)
Housing length	51.5 mm
Housing material	Stainless steel
Material	PPS (Sensor probe)
Weight	35 g
Certifications, approvals	
Protection class	III, operation on protective low voltage
General features	
Operating principle	Capacitive
Design	Cylinder

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Technical data (typ.)	+20°C, 24 V DC
Functional scope	
Scope of delivery	Sensor, 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

More information / accessories	https://www.di-soric.com/209762

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