

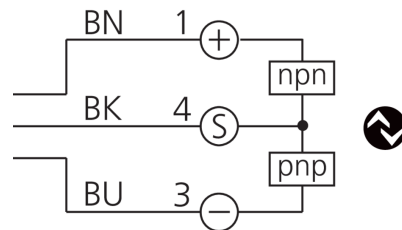
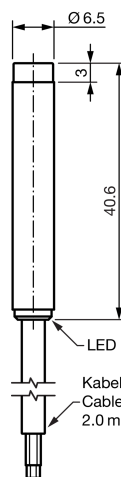


212674

KNS D6.5KM 3N 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 adjustable via IO-Link
- NO/NC, switchable via IO-Link
- Push-pull output pnp + npn
- Robust metal housing
- Short design



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
Insulation voltage endurance	500 V

Mechanical features

Installation type	non-flush
Diameter	Ø 6.5 mm (Diameter)
Housing length	40.6 mm
Housing material	Brass (nickel-plated)
Weight	32 g

Certifications, approvals

Protection class	III, operation on protective low voltage
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General features

Operating principle	Capacitive
Design	Cylinder

Functional scope

Operation modes	STANDARD, HIGH RESOLUTION, SPEED
Scope of delivery	Sensor



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KNS D6.5KM 3N G3-2R
Capacitive proximity sensor

Technical data (typ.)		+20°C, 24 V DC
Output, input, interface		
Switching output	Push-pull, 100 mA, NO/NC	
Voltage drop (max.)	2 V	
Interface	IO-Link	
Detection range, measuring range, tolerance limits		
Switching distance (SN)	3 mm (0.2 to 4 mm adjustable via IO-Link)	
Standardized measuring plate	12 x 12 mm	
Switching hysteresis (max.)	< 15 %	
Display, operation		
Sensitivity adjustment	IO-Link	
Display	LED yellow - Output signal	
Time behavior		
Switching frequency (factory setting)	100 Hz (STANDARD)	
Switching frequency (STANDARD)	100 Hz	
Switching frequency (HIGH RESOLUTION)	10 Hz	
Switching frequency (SPEED)	200 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/212674