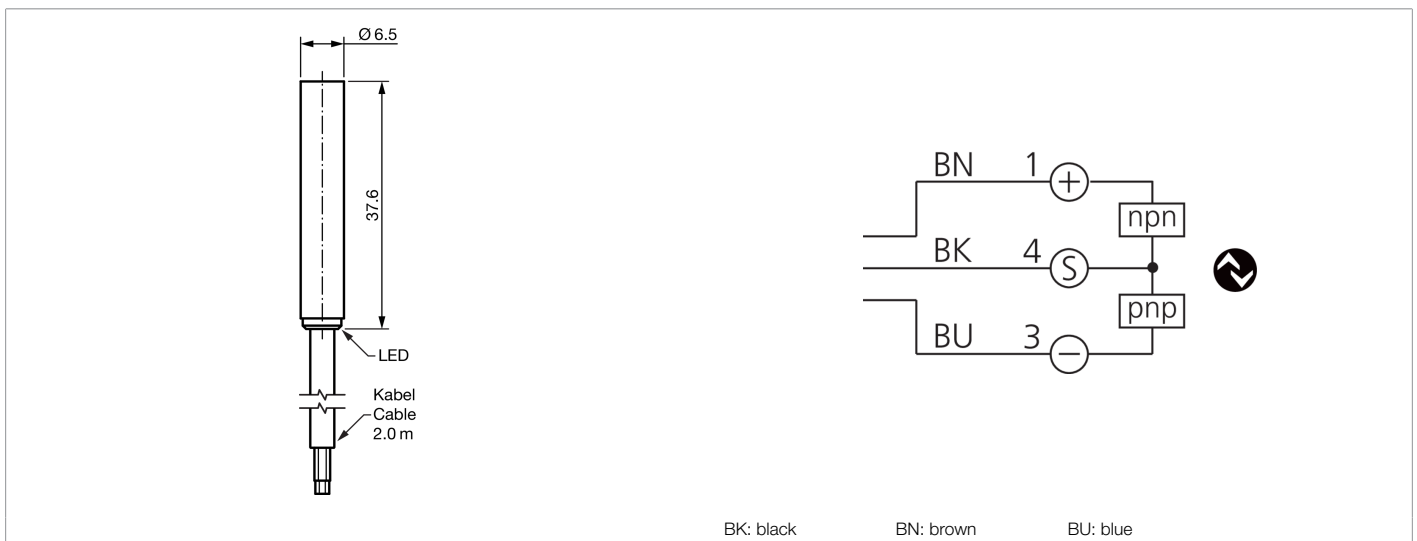




**212672**  
**KNS D6.5KM 2B G3-2R**  
**Capacitive proximity switch**

- 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



Function										

Technical data (typ.)	+20°C, 24 V DC
Service voltage	18 ... 30 V DC
No-load current (max.)	15 mA
Insulation voltage endurance	500 V
Installation type	Flush
Diameter	Ø 6.5 mm (Diameter)
Housing length	37.6 mm
Housing material	Brass (nickel-plated)
Weight	32 g
Protection class	III, operation on protective low voltage
Operating principle	Capacitive
Design	Cylinder
Operation modes	STANDARD, HIGH RESOLUTION, SPEED
Switching output	Push-pull, 100 mA, NO/NC
Voltage drop (max.)	2 V
Interface	IO-Link
Switching distance (SN)	2 mm (0.2 to 3 mm adjustable via IO-Link)
Standardized measuring plate	8 x 8 mm
Switching hysteresis (max.)	< 15 %
Sensitivity adjustment	IO-Link
Display	LED yellow - Output signal



**212672**

**KNS D6.5KM 2B G3-2R**

**Capacitive proximity switch**

**Technical data (typ.)**

**+20°C, 24 V DC**

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 temperature during operation	-25 ... +70 °C
Protection type	IP 65 / IP 67
Connection	Cable, 2.0 m, 3-pin

**More information / accessories**

<https://www.di-soric.com/212672>