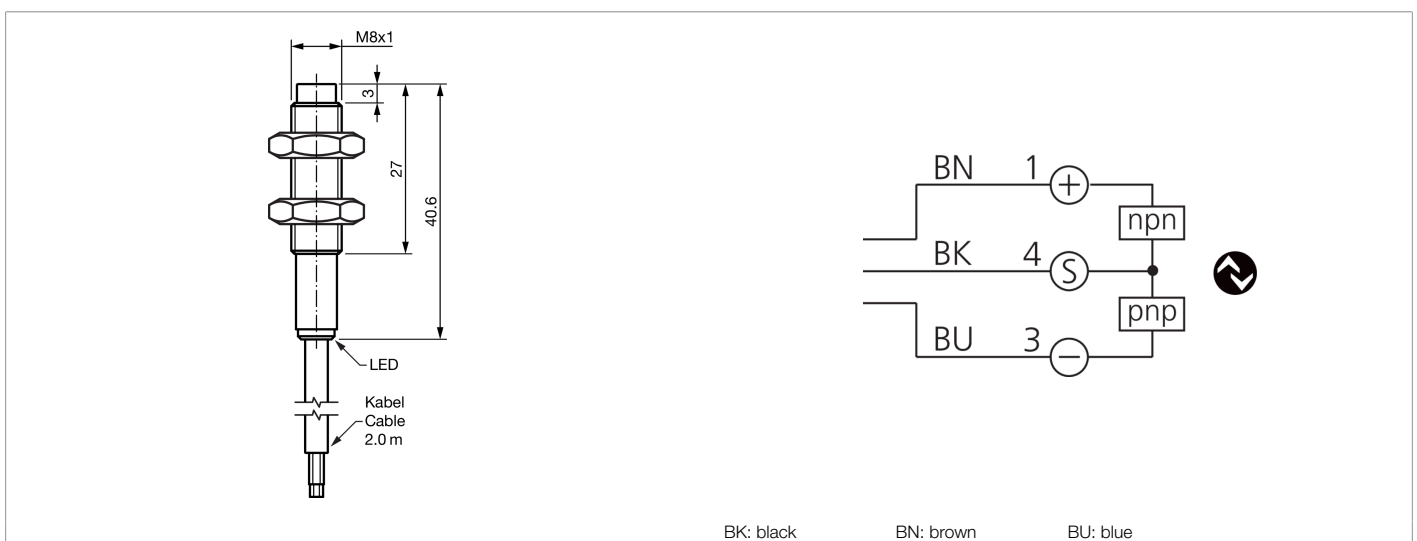




212678
KNS M08KM 3N G3-2R
Capacitive proximity switch

- 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 nickel-plated brass housing
- Short design



Function										

Technical data (typ.)	+20°C, 24 V DC
Service voltage	18 ... 30 V DC
No-load current (max.)	15 mA (24 V DC)
Insulation voltage endurance	500 V
Installation type	non-flush
Thread	M8 x 1
Housing length	40.5 mm
Housing material	Brass (nickel-plated)
Weight	32 g
Protection class	III, operation on protective low voltage
Operating principle	Capacitive
Design	Thread
Operation modes	STANDARD, HIGH RESOLUTION, SPEED
Scope of delivery	2 x M8 nuts
Switching output	Push-pull, 100 mA, NO/NC, switchable via IO-Link
Voltage drop (max.)	2 V
Interface	IO-Link
Switching distance (SN)	3 mm (0.2 to 4 mm adjustable via IO-Link)
Standardized measuring plate	12 x 12 x 1 mm
Switching hysteresis (max.)	< 15 %
Sensitivity adjustment	IO-Link



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KNS M08KM 3N G3-2R

Capacitive proximity switch

Technical data (typ.)

+20°C, 24 V DC

Display	LED yellow - Output signal
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
Shock/vibration load	30 g, 10 ... 55 Hz / 0.5 mm
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/212678>