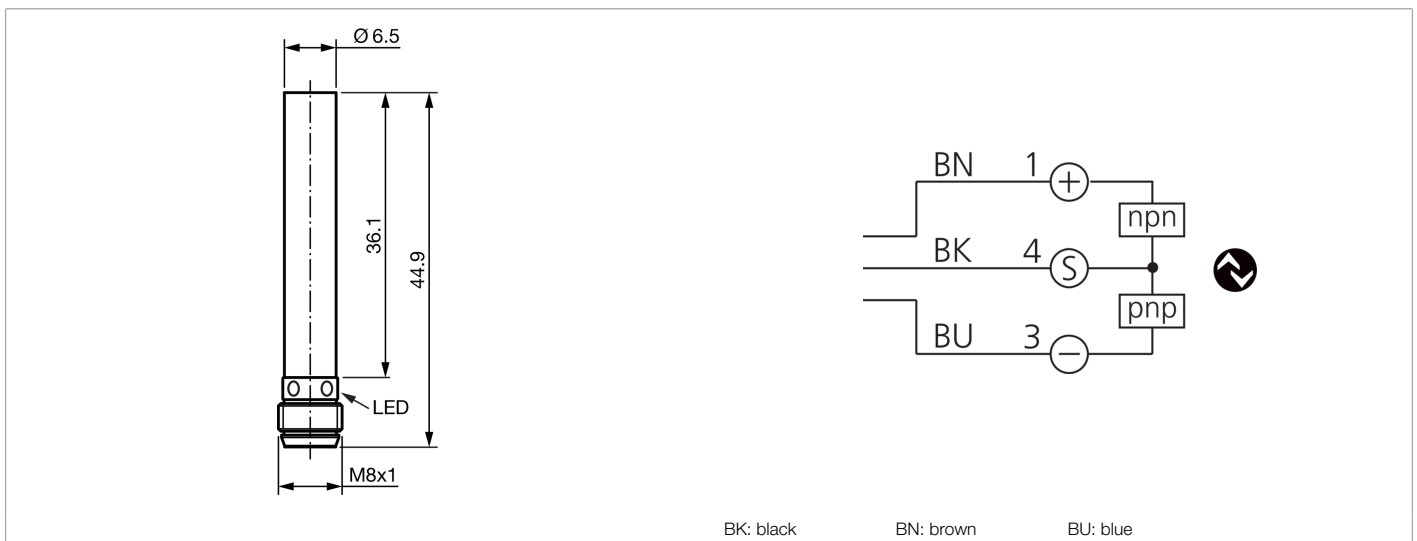




212671
KNS D6.5KM 2B G3-T3
Capacitive proximity switch

- 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 | 44.9 mm |
| Housing material | Brass (nickel-plated) |
| Weight | 5 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 |



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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 | Connector, M8, 3-pin |
| Connection cable | TK ... |
| More information / accessories | https://www.di-soric.com/212671 |