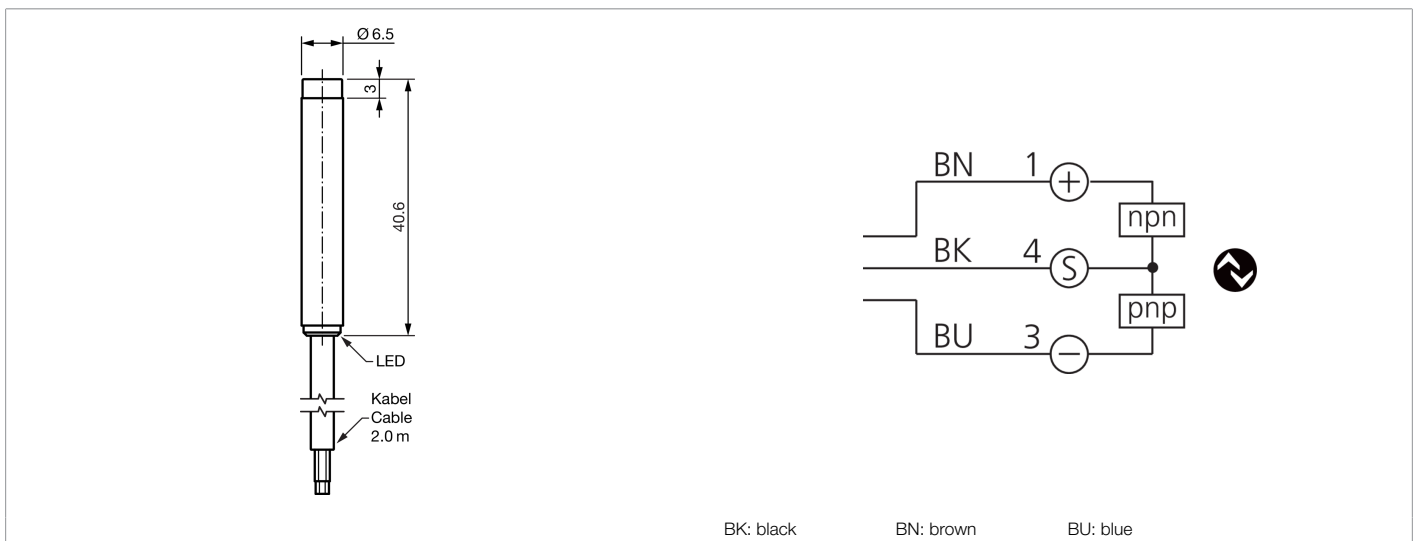




**212674**  
**KNS D6.5KM 3N G3-2R**  
**Capacitive proximity switch**

- 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 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            | non-flush                                 |
| Diameter                     | Ø 6.5 mm (Diameter)                       |
| Housing length               | 40.6 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)      | 3 mm (0.2 to 4 mm adjustable via IO-Link) |
| Standardized measuring plate | 12 x 12 mm                                |
| Switching hysteresis (max.)  | < 15 %                                    |
| Sensitivity adjustment       | IO-Link                                   |
| Display                      | LED yellow - Output signal                |



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**Capacitive proximity switch**

| <b>Technical data (typ.)</b>          | <b>+20°C, 24 V DC</b>  |
|---------------------------------------|--|
| 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  |
| <b>More information / accessories</b> | <b><a href="https://www.di-soric.com/212674">https://www.di-soric.com/212674</a></b> |