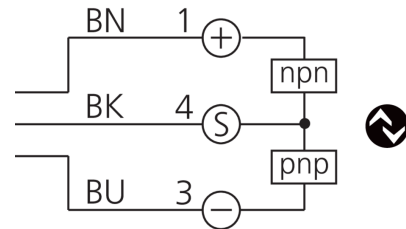
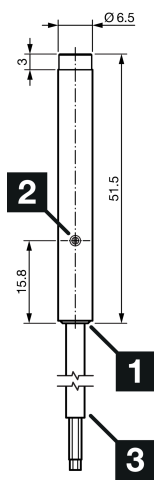




**209762**  
**KNS D6.5M 03N G3-2R**  
**Capacitive proximity switch**

- Large operating distance
- Detection of liquids, powdery and solid materials
- Detecting metal and non-metal parts
- Detection possible even through containers and packaging
- Sensitivity is adjustable via multi-turn potentiometer
- NO/NC, switchable
- Push-pull output pnp + npn
- Stainless steel housing



1) LED  
 2) sensitivity

3) Connection cable

BK: black

BN: brown

BU: blue

**Function**

|  |  |  |  |  |  |  |  |  |  |    |          |  |
|--|--|--|--|--|--|--|--|--|--|----|----------|--|
|  |  |  |  |  |  |  |  |  |  | CE | UK<br>CA |  |
|--|--|--|--|--|--|--|--|--|--|----|----------|--|

**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                                |
| Diameter                     | Ø 6.5 mm (Diameter)                      |
| Housing length               | 51.5 mm                                  |
| Housing material             | Stainless steel                          |
| Material                     | PPS (Sensor probe)                       |
| Weight                       | 35 g                                     |
| Protection class             | III, operation on protective low voltage |
| Operating principle          | Capacitive                               |
| Design                       | Cylinder                                 |
| Scope of delivery            | Setting tool                             |
| Switching output             | Push-pull, 100 mA, NO/NC                 |
| Voltage drop (max.)          | 2.4 V                                    |
| Switching distance (SN)      | 3 mm (0.1 to 4 mm adjustable)            |
| Standardized measuring plate | 8 x 8 x 1 mm                             |
| Switching hysteresis (max.)  | 15 %                                     |
| Sensitivity adjustment       | Potentiometer (11-turn)                  |



**209762**

**KNS D6.5M 03N G3-2R**

**Capacitive proximity switch**

|                                       |  |
|---------------------------------------|--|
| <b>Technical data (typ.)</b>          | <b>+20°C, 24 V DC</b>  |
| Display                               | LED yellow - Output signal   |
| Switching frequency                   | 100 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/209762">https://www.di-soric.com/209762</a></b> |