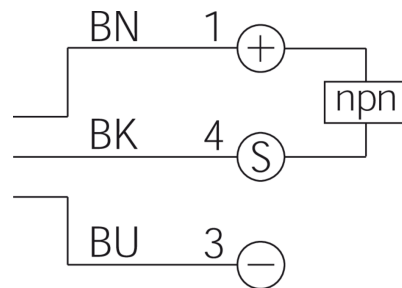
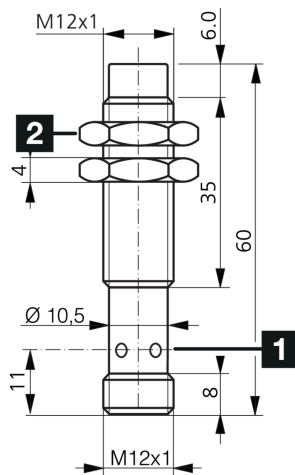




**205228**  
**DCCK 12 M 10 NSK-IBSL**  
**Inductive proximity sensor**

- Metal connector
- Integrated amplifier
- Short-circuit protection
- Starting pulse suppression
- LED



1) LED 4 x 90° (yellow)

2) Width over flats 17 mm

BK: black

BN: brown

BU: blue

**Function**



**Technical data (typ.)**

**+20°C, 24 V DC**

**Electrical features**

|                              |                                      |
|------------------------------|--------------------------------------|
| Service voltage              | 10 ... 30 V DC                       |
| Internal power consumption   | < 10 mA                              |
| Insulation voltage endurance | According to IEC 60947-5-2 (7.2.3.1) |

**Mechanical features**

|                   |                         |
|-------------------|-------------------------|
| Installation type | non-flush               |
| Thread            | M12 x 1                 |
| Housing length    | 45 mm                   |
| Housing material  | Brass (chromium-plated) |

**Certifications, approvals**

|                  |                                          |
|------------------|------------------------------------------|
| Protection class | III, operation on protective low voltage |
|------------------|------------------------------------------|

**General features**

|                     |                                   |
|---------------------|-----------------------------------|
| Operating principle | inductive                         |
| Evaluation          | digital                           |
| Design              | Thread                            |
| Characteristics     | extremely high operating distance |
| Product series      | INE Industrial                    |



**205228**  
**DCCK 12 M 10 NSK-IBSL**  
**Inductive proximity sensor**

| Technical data (typ.)                                     |                                | +20°C, 24 V DC                                                                |
|-----------------------------------------------------------|--------------------------------|-------------------------------------------------------------------------------|
| <b>Functional scope</b>                                   |                                |                                                                               |
| Scope of delivery                                         | Sensor, 2 x M12 nuts           |                                                                               |
| <b>Output, input, interface</b>                           |                                |                                                                               |
| Switching output                                          | npn, 200 mA, NO                |                                                                               |
| Voltage drop (max.)                                       | 2 V (200 mA)                   |                                                                               |
| <b>Detection range, measuring range, tolerance limits</b> |                                |                                                                               |
| Switching distance (SN)                                   | 10 mm                          |                                                                               |
| Standardized measuring plate                              | 30 x 30 x 1 mm                 |                                                                               |
| Switching hysteresis (max.)                               | < 3 ... 15 %                   |                                                                               |
| <b>Time behavior</b>                                      |                                |                                                                               |
| Switching frequency                                       | 400 Hz                         |                                                                               |
| <b>Ambient conditions</b>                                 |                                |                                                                               |
| Ambient temperature during operation                      | -25 ... +70 °C                 |                                                                               |
| Protection type                                           | IP 67                          |                                                                               |
| <b>Electrical connection</b>                              |                                |                                                                               |
| Connection                                                | Connector, M12, 4-pin, A-coded |                                                                               |
| <b>Accessories</b>                                        |                                |                                                                               |
| Connection cable                                          | VK ...                         |                                                                               |
| More information / accessories                            |                                | <a href="https://www.di-soric.com/205228">https://www.di-soric.com/205228</a> |