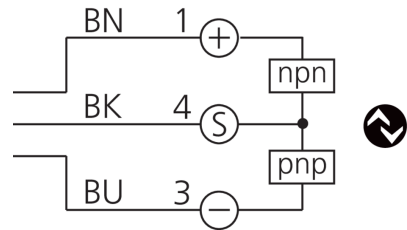
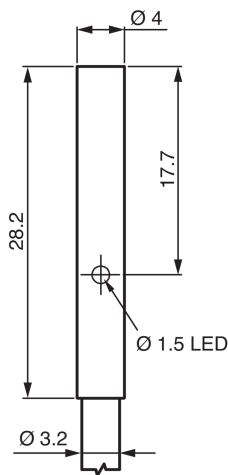




**215158**  
**INM-D04/28V-B1.3G3-0.3TR**  
**Inductive proximity sensor**

- IO-Link
- Short-circuit protection
- LED
- High protection type
- Sturdy PUR cable
- Drag chain compatible



BK: black

BN: brown

BU: blue

**Function**



**Technical data (typ.)**

**+20°C, 24 V DC**

**Electrical features**

|                             |                |
|-----------------------------|----------------|
| Service voltage             | 10 ... 30 V DC |
| No-load current (max.)      | < 15 mA        |
| Ripple                      | < 10 %         |
| Inverse polarity protection | Yes            |
| Short-circuit protection    | Yes            |

**Mechanical features**

|                          |                     |
|--------------------------|---------------------|
| Installation type        | Flush               |
| Diameter                 | Ø 4.0 mm (Diameter) |
| Housing length           | 28.2 mm             |
| Housing material         | Stainless steel     |
| Material of cable        | Polyurethane, gray  |
| Material of sensor probe | PBT                 |

**Certifications, approvals**

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



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**INM-D04/28V-B1.3G3-0.3TR**  
**Inductive proximity sensor**

| Technical data (typ.)                                     |                                                          | +20°C, 24 V DC                                                                |
|-----------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------------------|
| <b>General features</b>                                   |                                                          |                                                                               |
| Operating principle                                       | inductive                                                |                                                                               |
| Evaluation                                                | digital                                                  |                                                                               |
| Design                                                    | Cylinder                                                 |                                                                               |
| Product series                                            | INE Industrial                                           |                                                                               |
| <b>Functional scope</b>                                   |                                                          |                                                                               |
| Scope of delivery                                         | Sensor                                                   |                                                                               |
| <b>Output, input, interface</b>                           |                                                          |                                                                               |
| Switching output                                          | Push-pull/PNP/NPN, 100 mA, NO/NC, switchable via IO-Link |                                                                               |
| Voltage drop (max.)                                       | 1.2 V DC (100 mA)                                        |                                                                               |
| <b>Detection range, measuring range, tolerance limits</b> |                                                          |                                                                               |
| Switching distance (SN)                                   | 1.3 mm                                                   |                                                                               |
| Standardized measuring plate                              | 4.5 x 4.5 x 1 mm                                         |                                                                               |
| Switching hysteresis (max.)                               | 1 ... 20 %                                               |                                                                               |
| <b>Display, operation</b>                                 |                                                          |                                                                               |
| Sensitivity adjustment                                    | IO-Link                                                  |                                                                               |
| LED Anzeige                                               | Yes                                                      |                                                                               |
| <b>Time behavior</b>                                      |                                                          |                                                                               |
| Switching frequency                                       | 4500 Hz                                                  |                                                                               |
| <b>Ambient conditions</b>                                 |                                                          |                                                                               |
| Shock/vibration load                                      | 30 g, 11 ms / 10 ... 55 Hz, 1.0 mm                       |                                                                               |
| Ambient temperature during operation                      | -25 ... +70 °C                                           |                                                                               |
| Ambient temperature storage                               | -30 ... +80 °C                                           |                                                                               |
| Ambient humidity operation                                | 35 ... 95 %                                              |                                                                               |
| Ambient humidity storage                                  | 35 ... 95 %                                              |                                                                               |
| Temperature drift                                         | < 10 %/Sn                                                |                                                                               |
| Protection type                                           | IP 67                                                    |                                                                               |
| <b>Electrical connection</b>                              |                                                          |                                                                               |
| Connection                                                | Pigtail, 0.3 m, M8, 3-pin, A-coded                       |                                                                               |
| <b>More information / accessories</b>                     |                                                          | <a href="https://www.di-soric.com/215158">https://www.di-soric.com/215158</a> |