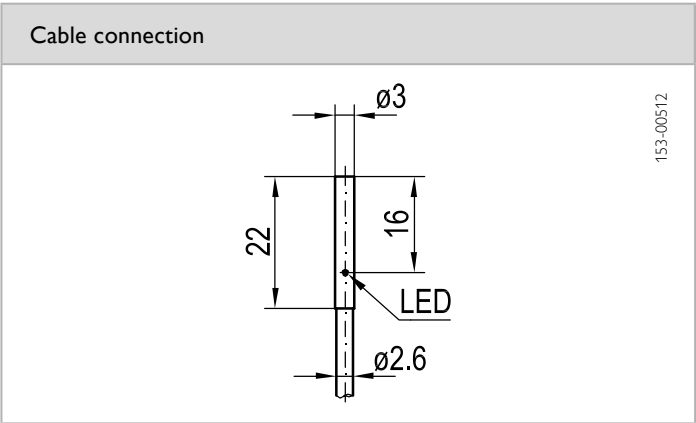


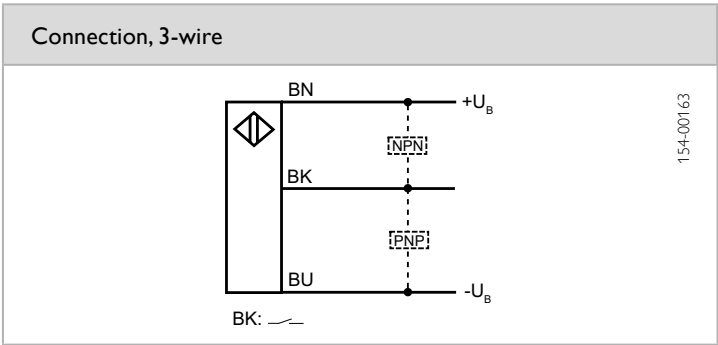
IS 33

Inductive sensor with stainless steel housing



| Sensor data                        |                                 | Functions                      |                            |
|------------------------------------|---------------------------------|--------------------------------|----------------------------|
| Switching distance                 | 0.6 mm                          | Indicator LED, yellow          | Switching output indicator |
| Reduction factor; Al               | 0.55                            |                                |                            |
| Reduction factor; Cu               | 0.50                            |                                |                            |
| Reduction factor; V2A              | 0.80                            |                                |                            |
|                                    |                                 |                                |                            |
| Electrical data                    |                                 | Mechanical data                |                            |
| Operating voltage, +U <sub>B</sub> | 10 ... 30V DC <sup>1</sup>      | Dimensions                     | Ø 3 x 22 mm                |
| No-load current, I <sub>0</sub>    | ≤ 10 mA                         | Mounting                       | Flush                      |
| Output current, I <sub>e</sub>     | ≤ 100 mA                        | Enclosure rating               | IP 67 <sup>2</sup>         |
| Switching frequency, f (ti/tp 1:1) | ≤ 5000 Hz                       | Material, housing              | Stainless steel            |
| Switching output, Q                | PNP / NPN (see Selection Table) | Type of connection             | See Selection Table        |
| Output function                    | N.O.                            | Ambient temperature: operation | -25 ... 70 °C              |
|                                    |                                 |                                |                            |

<sup>1</sup> Max. 20 % ripple, within U<sub>B</sub>    <sup>2</sup> With connected IP 67 plug



| Switching distance | Switching output | Type of connection | Part number | Article number |
|--------------------|------------------|--------------------|-------------|----------------|
| 0.6 mm             | PNP              | Cable, 3-wire      | IS 33-52    | 996-09390      |
| 0.6 mm             | NPN              | Cable, 3-wire      | IS 33-51    | 996-09391      |