

|                                    |  |
|------------------------------------|--|
| IB1107                             |  |
| Inductive proximity sensor         |  |
| Metal thread M12 x 1.0             |  |
| Cable                              |  |
| Size 55mm                          |  |
| Sensing range 6mm[nf]<br>Non-Flush |  |

|                             |  |
|-----------------------------|--|
| Electric design             | DC 3 Wire  |
| Output                      | NPN NO   |
| Operating voltage [V]       | 10...36 DC   |
| Current loading [mA]        | 100  |
| Short-circuit protection    | Yes  |
| Reverse polarity protection | Yes  |
| Overload protection         | Yes  |
| Voltage drop [V]            | <3   |
| Consumed current[mA]        | <10  |
| Real sensing range [mm]     | 6±10%  |
| Operating range [mm]        | 0...4.8  |
| Switch-point drift [%/Sr]   | -10...10   |
| Hysteresis [%/Sr]           | 3...20   |
| Switching frequency [Hz]    | 700  |
| Adjustment factors          | Low carbon steel=1 /Stainless steel approx 0.7 /Brass approx 0.5 /<br>Alumium approx 0.4 / Copper approx 0.3 |
| Operating temperature [°C]  | -25...75   |
| Ambient humidity            | 35...95  |
| Protection classification   | IP67   |

|           |  |
|-----------|--|
| Dimension |  |
|-----------|--|

|                             |                                     |
|-----------------------------|-------------------------------------|
| Housing material            | Stainless steel , Sensing face: PBT |
| Switching state display LED | Red (90°)(90°)                      |
| Connection                  | PVC-Cable /2m;3x0.14mm <sup>2</sup> |
| Wiring                      |                                     |
| Core color                  |                                     |
| BN +                        |                                     |
| BU -                        |                                     |

|                     |                |
|---------------------|----------------|
| Accessory(Included) | Two fixed nuts |
|---------------------|----------------|