

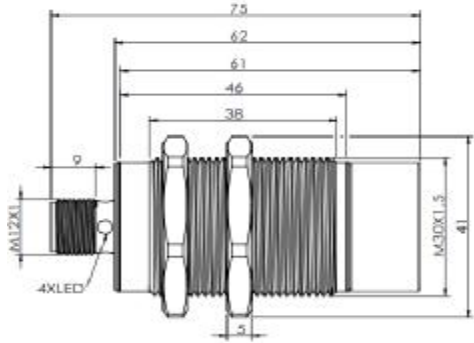
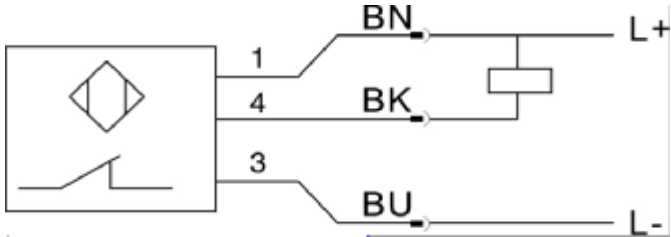



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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>ID1016<br/>Inductive proximity sensor<br/>Metal thread M30 x 1.5<br/>M12 Socket<br/>Size 75mm<br/>Gold-plated contact<br/>Sensing range 15mm[nf]<br/>Non-Flush</p> |                                                                                                 |
| Electric design                                                                                                                                                       | DC NPN                                                                                                                                                                            |
| Output                                                                                                                                                                | NC                                                                                             |
| Operating voltage [V]                                                                                                                                                 | 10...36 DC                                                                                                                                                                        |
| Current loading [mA]                                                                                                                                                  | 250                                                                                                                                                                               |
| Short-circuit protection                                                                                                                                              | Yes                                                                                                                                                                               |
| Reverse polarity protection                                                                                                                                           | Yes                                                                                                                                                                               |
| Overload protection                                                                                                                                                   | Yes                                                                                                                                                                               |
| Voltage drop [V]                                                                                                                                                      | <2.5                                                                                                                                                                              |
| Consumed current[mA]                                                                                                                                                  | <15(24VDC)                                                                                                                                                                        |
| Real Sensing range[mm]                                                                                                                                                | 15±10%                                                                                                                                                                            |
| Operating range[mm]                                                                                                                                                   | 0...12                                                                                                                                                                            |
| Switch-point drift[%/Sr]                                                                                                                                              | -10...10                                                                                                                                                                          |
| Hysteresis[%/Sr]                                                                                                                                                      | 1...15                                                                                                                                                                            |
| Switching frequency[Hz]                                                                                                                                               | 100                                                                                                                                                                               |
| ESD[KV]                                                                                                                                                               | 6KV III                                                                                                                                                                           |
| EFT[KV]                                                                                                                                                               | 2KV III                                                                                                                                                                           |
| Walkie talkie experiment[mm]                                                                                                                                          | <1                                                                                                                                                                                |
| Adjustment factors                                                                                                                                                    | Low carbon steel=1 /Stainless steel approx 0.7 /Brass approx 0.4 /Aluminum approx 0.3 / Copper approx 0.2                                                                         |
| Operating temperature[°C]                                                                                                                                             | -25°C...80°C                                                                                                                                                                      |
| Protection classification                                                                                                                                             | IP67                                                                                                                                                                              |
| Dimension                                                                                                                                                             |                                                                                               |
| Housing material                                                                                                                                                      | Stainless steel , Sensing face: PBT                                                                                                                                               |
| Switching state display LED                                                                                                                                           | Red (90° )                                                                                                                                                                        |
| Connection                                                                                                                                                            | M12 Socket                                                                                                                                                                        |
| Wiring<br>Core color:                                                                                                                                                 |  <p>  </p> |
| Accessory(Included)                                                                                                                                                   | Two fixed nuts                                                                                                                                                                    |