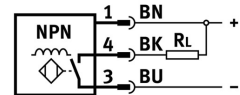


Proximity sensor SIEF-M30NB-NS-S-L

Part number: 538321

FESTO



General operating condition

Data sheet

| Feature | Value |
|---|--|
| Design | Round |
| Conforms to standard | EN 60947-5-2 |
| Symbol | 00991703 |
| Approval | RCM trademark c UL us listed (OL) |
| CE mark (see declaration of conformity) | To EU EMC Directive |
| Measuring principle | Inductive |
| Rated operating distance | 20 mm |
| Assured operating distance | 16.2 mm |
| Reduction factors | Aluminium = 1.0 Stainless steel St 18/8 = 1.0 Copper = 1.0 Brass = 1.0 Steel St 37 = 1.0 |
| Ambient temperature | -30 °C ... 85 °C |
| Repetition accuracy | 0.4 mm |
| Switching output | NPN |
| Switching element function | N/O contact |
| Hysteresis | 0.6 mm ... 3 mm |
| Max. switching frequency DC | 1500 Hz |
| Max. output current | 200 mA |
| Voltage drop | ≤1.8 V |
| Short circuit current rating | Pulsed |
| Operational voltage range DC | 10 V ... 30 V |
| Residual ripple | 10 % |
| No-load supply current | ≤15 mA |
| Reverse polarity protection | For all electrical connections |
| Electrical connection | 3-pin Fixcon M12x1 Plugs |
| Size | M30 |
| Type of mounting | Via lock nut |
| Tightening torque | 75 Nm |
| Mounting type | Partially flush |
| Product weight | 90 g |

| Feature | Value |
|---|--|
| Material housing | Brass PBT Chrome-plated |
| Switching status indication | Yellow LED |
| Degree of protection | IP67 |
| Immunity to magnetic fields | Magnetic direct and alternating field |
| Corrosion resistance class CRC | 2 - Moderate corrosion stress |
| Additional information for sensor selection | Reduction factor 1, resistant to magnetic fields |
| Electrical output | NPN |
| Selection of sensor design | Standard |