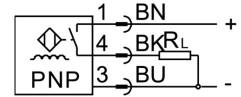


Proximity sensor SIEF-M12NB-PS-S-L

Part number: 538311

FESTO



Data sheet

| Feature | Value |
|--|---|
| Type code | SIEF |
| Design | Round |
| Conforms to standard | EN 60947-5-2 |
| Symbol | 00991701 |
| Certification | RCM compliance mark c UL us - Listed (OL) |
| CE marking (see declaration of conformity) | As per EU EMC directive |
| Note on materials | Free of copper and PTFE |
| Measuring principle | Inductive |
| Rated operating distance | 8 mm |
| Assured operating distance | 6.48 mm |
| Reduction factors | Aluminum = 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 | 0.16 mm |
| Switching output | PNP |
| Switching element function | N/O contact |
| Hysteresis | 0.24 mm ... 1.2 mm |
| Max. switching frequency DC | 2000 Hz |
| Max. output current | 200 mA |
| Voltage drop | ≤1.8 V |
| Short-circuit protection | Pulsed |
| DC operating voltage range | 10 V ... 30 V |
| Residual ripple | 10 % |
| Idle current | ≤15 mA |
| Reverse polarity protection | for all electrical connections |
| Electrical connection | 3-pin Fixcon M12x1 Plug |
| Size | M12 |
| Type of mounting | With lock nut |
| Tightening torque | 10 Nm |
| Mounting type | Partially flush |
| Product weight | 22 g |

| Feature | Value |
|---|---|
| Housing material | Brass PBT Chrome-plated |
| Switching status indication | LED yellow |
| Degree of protection | IP67 |
| Resistance to interference from magnetic fields | Magnetic direct and alternating fields |
| Corrosion resistance class (CRC) | 2 - Moderate corrosion stress |
| Selection of additional sensor information | With reduction factor 1 – resistance to magnetic fields |
| Electrical output | PNP |
| Selection of sensor version | Standard |