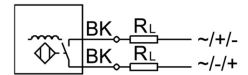


Proximity sensor SIED-M12B-ZS-K-L

Part number: 538272

FESTO



Data sheet

| Feature | Value |
|--|---|
| Type code | SIED |
| Design | Round |
| Conforms to standard | EN 60947-5-2 |
| Symbol | 00991712 |
| Certification | RCM compliance mark c UL us - Listed (OL) |
| CE marking (see declaration of conformity) | As per EU EMC directive As per EU low voltage directive |
| Note on materials | Free of copper and PTFE |
| Measuring principle | Inductive |
| Rated operating distance | 2 mm |
| Assured operating distance | 1.62 mm |
| Reduction factors | Aluminum = 0.5 Stainless steel St 18/8 = 0.9 Copper = 0.4 Brass = 0.6 Steel St 37 = 1.0 |
| Ambient temperature | -25 °C ... 85 °C |
| Repetition accuracy | 0.1 mm |
| Switching output | Non-contact, 2-wire |
| Switching element function | N/O contact |
| Hysteresis | 0.02 mm ... 0.44 mm |
| Max. switching frequency DC | 1200 Hz |
| Max. switching frequency AC | 25 Hz |
| Max. output current | 200 mA |
| Voltage drop | ≤8 V |
| Minimum load current | 5 mA |
| Short-circuit protection | no |
| Operating voltage range AC | 20 V ... 265 V |
| DC operating voltage range | 20 V ... 320 V |
| Mains frequency | 50 Hz |
| Idle current | ≤1.5 mA |
| Reverse polarity protection | for all electrical connections |
| Electrical connection | 2-wire Cable |
| Cable length | 2.5 m |
| Material of cable sheath | TPE-U(PUR) |
| Insulating sheath material | PVC |

| Feature | Value |
|--|------------------------------------|
| Size | M12 |
| Type of mounting | With lock nut |
| Tightening torque | 10 Nm |
| Mounting type | Flush |
| Product weight | 90 g |
| Housing material | Brass PA Nickel-plated |
| Switching status indication | LED yellow |
| Ambient temperature with flexible cable installation | -5 °C ... 50 °C |
| Degree of protection | IP67 |
| Corrosion resistance class (CRC) | 1 - Low corrosion stress |
| Selection of additional sensor information | For direct and alternating voltage |
| Electrical output | Non-contact, 2-wire |
| Selection of sensor version | Standard |