

Proximity sensor SIED-M18NB-ZS-S-L

Part number: 538275

FESTO



[PDF](#) [General operating condition](#)

Data sheet

| Feature | Value |
|--|---|
| Design | Round |
| Conforms to standard | EN 60947-5-2 |
| Symbol | 00991714 |
| 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 |
| UKCA marking (see declaration of conformity) | To UK instructions for electrical equipment |
| Measuring principle | Inductive |
| Rated operating distance | 8 mm |
| Assured operating distance | 6.5 mm |
| Reduction factors | Aluminum = 0.4 Stainless steel St 18/8 = 0.7 Copper = 0.3 Brass = 0.4 Steel St 37 = 1.0 |
| Ambient temperature | -25 °C ... 85 °C |
| Repetition accuracy | 0.2 mm |
| Switching output | Non-contacting, 2-wire |
| Switching element function | N.O. contact |
| Hysteresis | 0.03 mm ... 1.9 mm |
| Max. switching frequency DC | 340 Hz |
| Max. switching frequency AC | 25 Hz |
| Max. output current | 300 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 | M12x1 Plug |
| Size | M18 |
| Type of mounting | With locknut |
| Tightening torque | 30 Nm |
| Mounting type | Not flush |

| Feature | Value |
|--|------------------------------------|
| Product weight | 50 g |
| Housing material | Nickel-plated |
| Switching status indication | Yellow LED |
| Degree of protection | IP67 |
| Corrosion resistance class (CRC) | 1 - Low corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B2-L |
| Selection of additional sensor information | For direct and alternating voltage |
| Electrical output | Non-contacting, 2-wire |
| Selection of sensor version | Standard |