

# Proximity sensor SIEF-M8B-PS-S-L

Part number: 553537

FESTO



[General operating condition](#)

## Data sheet

| Feature   | Value  |
|---|--|
| Design  | Round  |
| Conforms to standard                            | EN 60947-5-2   |
| Symbol  | 00991701   |
| Certification                                   | RCM compliance mark<br>c UL us - Listed (OL)   |
| CE marking (see declaration of conformity)      | As per EU EMC directive<br>As per EU low voltage directive<br>As per EU RoHS directive |
| UKCA marking (see declaration of conformity)    | To UK RoHS instructions<br>To UK instructions for electrical equipment                 |
| Note on materials                               | RoHS compliant   |
| Rated operating distance                        | 1.5 mm   |
| Ambient temperature                             | -30 °C ... 85 °C   |
| Repetition accuracy                             | 0.08 mm  |
| Switching output                                | PNP  |
| Switching element function                      | N.O. contact   |
| Max. switching frequency DC                     | 2000 Hz  |
| Max. output current                             | 150 mA   |
| Short-circuit protection                        | Pulsed   |
| DC operating voltage range                      | 10 V ... 30 V  |
| Reverse polarity protection                     | for all electrical connections   |
| Electrical connection                           | M8x1<br>Plug   |
| Material of plug housing                        | Chrome-plated  |
| Size  | M8   |
| Mounting type                                   | Flush  |
| Product weight                                  | 12 g   |
| Housing material                                | high-alloy stainless steel   |
| Switching status indication                     | Yellow LED   |
| Degree of protection                            | IP68   |
| Resistance to interference from magnetic fields | Magnetic direct and alternating fields   |
| Surge resistance                                | 0.8 kV   |
| Corrosion resistance class (CRC)                | 2 - Moderate corrosion stress  |
| LABS (PWIS) conformity                          | VDMA24364-B2-L   |
| Contamination level                             | 3  |
| Selection of additional sensor information      | with reduction factor 1 – resistance to magnetic fields                                |
| Selection of sensor version                     | Standard   |