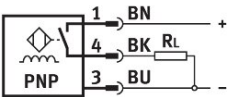


# Proximity sensor SIEF-M12B-PS-S-L

Part number: 553541

FESTO



## Data sheet

| Feature                                      | Value                                                                                               |
|----------------------------------------------|-----------------------------------------------------------------------------------------------------|
| Design                                       | Round                                                                                               |
| Conforms to standard                         | EN 60947-5-2                                                                                        |
| Approval                                     | RCM trademark<br>c UL us listed (OL)                                                                |
| CE mark (see declaration of conformity)      | To EU EMC Directive<br>To EU Low Voltage Directive<br>In accordance with EU RoHS Directive          |
| UKCA marking (see declaration of conformity) | To UK instructions for EMC<br>To UK RoHS instructions<br>To UK regulations for electrical equipment |
| Note on materials                            | RoHS-compliant                                                                                      |
| Rated operating distance                     | 3 mm                                                                                                |
| Ambient temperature                          | -30 °C...85 °C                                                                                      |
| Repetition accuracy                          | 0.16 mm                                                                                             |
| Switching output                             | PNP                                                                                                 |
| Switching element function                   | N/O contact                                                                                         |
| Max. switching frequency DC                  | 3000 Hz                                                                                             |
| Max. output current                          | 200 mA                                                                                              |
| Short circuit current rating                 | Pulsed                                                                                              |
| Operational voltage range DC                 | 10 V...30 V                                                                                         |
| Reverse polarity protection                  | For all electrical connections                                                                      |
| Electrical connection                        | 3-pin<br>M12x1<br>Plugs                                                                             |
| Material connector housing                   | Brass<br>Chrome-plated                                                                              |
| Size                                         | M12                                                                                                 |
| Mounting type                                | Flush                                                                                               |
| Product weight                               | 24 g                                                                                                |
| Material housing                             | Brass<br>Chrome-plated                                                                              |
| Switching status indication                  | Yellow LED                                                                                          |
| Degree of protection                         | IP68                                                                                                |
| Immunity to magnetic fields                  | Magnetic direct and alternating field                                                               |

| Feature                                     | Value                                            |
|---------------------------------------------|--------------------------------------------------|
| Immunity to surge                           | 0.8 kV                                           |
| Corrosion resistance class CRC              | 2 - Moderate corrosion stress                    |
| LABS (PWIS) conformity                      | VDMA24364-B2-L                                   |
| Pollution degree                            | 3                                                |
| Additional information for sensor selection | Reduction factor 1, resistant to magnetic fields |
| Selection of sensor design                  | Standard                                         |