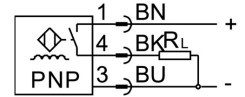


# Proximity sensor SIES-V3B-PS-S-L

Part number: 150491

FESTO



## Data sheet

| Feature                                          | Value                                                                                                |
|--------------------------------------------------|------------------------------------------------------------------------------------------------------|
| Type code                                        | SIES                                                                                                 |
| 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                                                                              |
| Note on materials                                | Free of copper and PTFE                                                                              |
| Rated operating distance                         | 2 mm                                                                                                 |
| Assured operating distance                       | 1.6 mm                                                                                               |
| Reduction factors                                | Aluminum = 0.45<br>Stainless steel St 18/8 = 0.7<br>Copper = 0.3<br>Brass = 0.5<br>Steel St 37 = 1.0 |
| Ambient temperature                              | -25 °C ... 85 °C                                                                                     |
| Repetition accuracy                              | 0.1 mm                                                                                               |
| Switching output                                 | PNP                                                                                                  |
| Switching element function                       | N/O contact                                                                                          |
| Max. switching frequency                         | 1200 Hz                                                                                              |
| Max. switching frequency DC                      | 1200 Hz                                                                                              |
| Max. output current as a function of temperature | 200 mA at ≤ 50 °C<br>150 mA at ≤ 85 °C                                                               |
| Voltage drop                                     | 3.2 V                                                                                                |
| Short-circuit protection                         | Pulsed                                                                                               |
| DC operating voltage range                       | 10 V ... 30 V                                                                                        |
| Residual ripple                                  | 10 %                                                                                                 |
| Idle current                                     | ≤ 30 mA                                                                                              |
| Reverse polarity protection                      | for all electrical connections                                                                       |
| Electrical connection                            | 3-pin<br>M8x1<br>Plug                                                                                |
| Size                                             | 15x20x30 mm                                                                                          |
| Type of mounting                                 | With through-hole                                                                                    |
| Mounting type                                    | Flush                                                                                                |
| Product weight                                   | 120 g                                                                                                |
| Housing material                                 | Die-cast zinc                                                                                        |
| Switching status indication                      | LED yellow                                                                                           |
| Degree of protection                             | IP67                                                                                                 |

| Feature                                    | Value          |
|--------------------------------------------|----------------|
| Selection of additional sensor information | Special design |
| Electrical output                          | PNP            |
| Selection of sensor version                | Standard       |