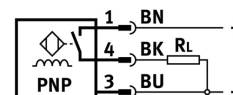


# Proximity sensor SIES-Q8B-PS-S-L

Part number: 178295

**FESTO**



[General operating condition](#)

## Data sheet

| Feature                                 | Value                                                                                                  |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------|
| Conforms to standard                    | EN 60947-5-2                                                                                           |
| Symbol                                  | 00991701                                                                                               |
| Approval                                | RCM trademark<br>c UL us listed (OL)                                                                   |
| CE mark (see declaration of conformity) | To EU EMC Directive                                                                                    |
| Note on materials                       | RoHS-compliant                                                                                         |
| Rated operating distance                | 1.5 mm                                                                                                 |
| Assured operating distance              | 1.2 mm                                                                                                 |
| Reduction factors                       | Aluminium = 0.45<br>Stainless steel St 18/8 = 0.8<br>Copper = 0.4<br>Brass = 0.55<br>Steel St 37 = 1.0 |
| Ambient temperature                     | -25 °C ... 70 °C                                                                                       |
| Repetition accuracy                     | 0.07 mm                                                                                                |
| Switching output                        | PNP                                                                                                    |
| Switching element function              | N/O contact                                                                                            |
| Max. switching frequency                | 3500 Hz                                                                                                |
| Max. switching frequency DC             | 1500 Hz                                                                                                |
| Max. output current                     | 200 mA                                                                                                 |
| Voltage drop                            | 2 V                                                                                                    |
| Short circuit current rating            | Pulsed                                                                                                 |
| Operational voltage range DC            | 10 V ... 30 V                                                                                          |
| Residual ripple                         | 10 %                                                                                                   |
| No-load supply current                  | ≤10 mA                                                                                                 |
| Reverse polarity protection             | For all electrical connections                                                                         |
| Electrical connection                   | 3-pin<br>M8x1<br>Plugs                                                                                 |
| Size                                    | 8x8x59 mm                                                                                              |
| Type of mounting                        | Via female thread                                                                                      |
| Mounting type                           | Flush                                                                                                  |
| Product weight                          | 12 g                                                                                                   |
| Material housing                        | Die-cast zinc<br>Chrome-plated<br>Nickel-plated                                                        |
| Switching status indication             | Yellow LED                                                                                             |
| Degree of protection                    | IP67                                                                                                   |

| Feature                                     | Value          |
|---------------------------------------------|----------------|
| LABS (PWIS) conformity                      | VDMA24364-B2-L |
| Additional information for sensor selection | Special design |
| Electrical output                           | PNP            |
| Selection of sensor design                  | Standard       |