

# Pressure sensor SDE5-D10-C-Q4E-P-M8

Part number: 542889

FESTO



 General operating condition

## Data sheet

| Feature                                      | Value  |
|--|--|
| Certification                                | RCM compliance mark<br>c UL us - Recognized (OL)             |
| CE marking (see declaration of conformity)   | As per EU EMC directive<br>As per EU RoHS directive          |
| UKCA marking (see declaration of conformity) | To UK RoHS instructions                                      |
| Note on materials                            | RoHS-compliant   |
| Measured variable                            | Relative pressure  |
| Method of measurement                        | Piezoresistive pressure sensor                               |
| Pressure measuring range initial value       | 0 bar  |
| Pressure measuring range end value           | 10 bar   |
| Operating medium                             | Compressed air as per ISO 8573-1:2010 [7:4:4]                |
| Information on operating and pilot media     | Operation with oil lubrication possible                      |
| Temperature of medium                        | 0 °C ... 50 °C   |
| Ambient temperature                          | 0 °C ... 50 °C   |
| Repetition accuracy in ± %FS                 | 0.3 %FS  |
| Temperature co-efficient in ± %FS/K          | 0.05 %FS/K   |
| Switching output                             | PNP  |
| Switching function                           | Threshold value with fixed hysteresis                        |
| Switching element function                   | N/C contact  |
| Max. output current                          | 100 mA   |
| Short-circuit protection                     | yes  |
| DC operating voltage range                   | 15 V ... 30 V  |
| Reverse polarity protection                  | for all electrical connections                               |
| Electrical connection                        | 3-pin<br>M8x1<br>Plug<br>as per EN 60947-5-2<br>Round design |
| Type of mounting                             | With accessories   |
| Mounting position                            | Any  |
| Pneumatic connection                         | QS-4   |
| Product weight                               | 19 g   |
| Housing material                             | PA<br>POM  |
| Switching status indication                  | LED yellow   |
| Setting range threshold value                | 0 % ... 100 %  |
| Degree of protection                         | IP40   |
| Corrosion resistance class (CRC)             | 2 - Moderate corrosion stress                                |

| Feature   | Value                            |
|---|----------------------------------|
| LABS (PWIS) conformity                                    | VDMA24364-B1/B2-L                |
| Cleanroom suitability, measured according to ISO 14644-14 | Class 4 according to ISO 14644-1 |