

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

Part number: 542889

**FESTO**



## Data sheet

| Feature                                      | Value   |
|--|---|
| Approval                                     | RCM trademark<br>c UL us - Recognized (OL)                  |
| CE mark (see declaration of conformity)      | To EU EMC Directive<br>In accordance with EU RoHS Directive |
| UKCA marking (see declaration of conformity) | To UK instructions for EMC<br>To UK RoHS instructions       |
| Note on materials                            | RoHS-compliant  |
| Measured variable                            | Relative pressure   |
| Measurement method                           | Piezoresistive pressure sensor                              |
| Start value for pressure measuring range     | 0 bar   |
| End value for pressure measuring range       | 10 bar  |
| Operating medium                             | Compressed air to ISO 8573-1:2010 [7:4:4]                   |
| Note on operating and pilot medium           | Lubricated operation possible                               |
| Media temperature                            | 0 °C...50 °C  |
| Ambient temperature                          | 0 °C...50 °C  |
| Repetition accuracy in ± %FS                 | 0.3 %FS   |
| Temperature coefficient 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 current rating                 | yes   |
| Operational voltage range DC                 | 15 V...30 V   |
| Reverse polarity protection                  | For all electrical connections                              |
| Electrical connection                        | 3-pin<br>M8x1<br>Plugs<br>To EN 60947-5-2<br>Round design   |
| Type of mounting                             | With accessories  |
| Mounting position                            | optional  |
| Pneumatic connection                         | QS-4  |
| Product weight                               | 19 g  |

| Feature                        | Value                            |
|--------------------------------|----------------------------------|
| Material housing               | PA<br>POM                        |
| Switching status indication    | Yellow LED                       |
| Setting range threshold value  | 0 %...100 %                      |
| Degree of protection           | IP40                             |
| Corrosion resistance class CRC | 2 - Moderate corrosion stress    |
| LABS (PWIS) conformity         | VDMA24364-B1/B2-L                |
| Cleanroom class                | Class 4 according to ISO 14644-1 |