

# Pressure sensor SDE5-D10-C-Q6E-P-M8

Part number: 542894

**FESTO**



 General operating condition

## 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 |
| CE 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-6                                                        |
| Product weight                             | 19 g                                                        |
| Material housing                           | PA<br>POM                                                   |
| Switching status indication                | Yellow LED                                                  |
| Setting range threshold value              | 0 % ... 100 %                                               |
| Degree of protection                       | IP40                                                        |

| Feature                        | Value                         |
|--------------------------------|-------------------------------|
| Corrosion resistance class CRC | 2 - Moderate corrosion stress |
| LABS (PWIS) conformity         | VDMA24364-B1/B2-L             |