

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

Part number: 542894

**FESTO**



## 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 instructions for EMC<br>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     | Lubricated operation 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                   | NC 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-6                                                         |
| Product weight                               | 19 g                                                         |

| Feature                                                   | Value                            |
|-----------------------------------------------------------|----------------------------------|
| Housing material                                          | 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 suitability, measured according to ISO 14644-14 | Class 4 according to ISO 14644-1 |