

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

Part number: 542894

★ Core product range

With M8 plug version.

FESTO



## Data sheet

| Feature                                 | Value   |
|---|---|
| Authorisation                           | RCM Mark<br>c UL us - Recognized (OL)                           |
| CE mark (see declaration of conformity) | to EU directive for EMC<br>in accordance with EU RoHS directive |
| KC mark                                 | KC-EMV  |
| Materials note                          | Conforms to RoHS  |
| Measured variable                       | Relative pressure   |
| Measurement method                      | Piezoresistive pressure sensor                                  |
| Pressure measuring range, initial value | 0 bar   |
| Pressure measuring range, final value   | 10 bar  |
| Operating medium                        | Compressed air in accordance with ISO8573-1:2010 [7:4:4]        |
| Note on operating and pilot medium      | Lubricated operation possible                                   |
| Medium temperature                      | 0 ... 50 °C   |
| Ambient temperature                     | 0 ... 50 °C   |
| Repetition accuracy in ± %FS            | 0.3 %FS   |
| Temperature co-efficient in ± %FS/K     | 0.05 %FS/K  |
| Switch output                           | PNP   |
| Switching function                      | Threshold value with fixed hysteresis                           |
| Switching element function              | Normally closed contact   |
| Max. output current                     | 100 mA  |
| Short circuit strength                  | Yes   |
| Operating voltage range DC              | 15 ... 30 V   |
| Polarity protected                      | for all electrical connections                                  |
| Electrical connection                   | 3-pin<br>M8x1<br>Plug<br>to EN 60947-5-2<br>Round design        |
| Mounting type                           | with accessories  |
| Assembly position                       | Any   |
| Pneumatic connection                    | QS-6  |
| Product weight                          | 19 g  |
| Material housing                        | PA<br>POM   |
| Operating status display                | Yellow LED  |
| Threshold value setting range           | 0 ... 100 %   |
| Protection class                        | IP40  |
| Corrosion resistance classification CRC | 2 - Moderate corrosion stress                                   |