

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

Part number: 542894

FESTO



 General operating condition

Data sheet

| Feature | Value |
|--|---|
| Certification | RCM compliance mark c UL us - Recognized (OL) |
| CE marking (see declaration of conformity) | As per EU EMC directive 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 | M8x1 Plug as per EN 60947-5-2 Round design |
| Type of mounting | With accessories |
| Mounting position | Any |
| Pneumatic connection | QS-6 |
| Product weight | 19 g |
| Housing material | POM |
| Switching status indication | LED yellow |
| 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 |

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