

Pressure sensor SDE5-D10-O-Q4-P-M8

Part number: 527463

FESTO



[PDF](#) General operating condition

Data sheet

| Feature | Value |
|--|---|
| Symbol | 00991164 |
| Approval | RCM c UL us - Recognised (Oil) |
| CE mark (see declaration of conformity) | To EU EMC Directive In accordance with EU RoHS Directive |
| UKCA marking (see declaration of conformity) | 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/O 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 M8x1 Plug To EN 60947-5-2 Round design |
| Type of mounting | With accessories |
| Mounting position | Any |
| Pneumatic connection | QS-4 |
| Product weight | 19 g |
| Material housing | Process automation 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 |
| Cleanroom suitability, measured according to ISO 14644-14 | Class 4 according to ISO 14644-1 |