

Pressure sensor SDE5-D10-NF-Q6E-V-K

Part number: 567471

FESTO



 General operating condition

Data sheet

| Feature | Value |
|--|---|
| Symbol | 00992257 |
| 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 | 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 |
| Analog output | 0 - 10 V |
| Output characteristic curve initial value | 0 V |
| End value output characteristic curve | 10 V |
| Precision analog output in ± %FS | 3 %FS |
| Linearity error in ± % FS | 0.3 %FS |
| Short-circuit protection | Yes |
| DC operating voltage range | 15 V ... 30 V |
| Reverse polarity protection | for all electrical connections |
| Electrical connection | 3-wire Cable As per EN 60947-5-2 |
| Cable length | 2.5 m |
| Type of mounting | With accessories |
| Mounting position | Any |
| Pneumatic connection | QS-6 |
| Product weight | 47 g |
| Housing material | PA POM |
| Ready status indication | Green LED |
| 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 |