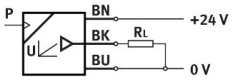
# Pressure sensor
# SDE5-V1-NF-Q6E-V-K

Part number: 567470






## 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 MPa<br>0 bar<br>0 psi |
| Pressure measuring range end value | -0.1 MPa<br>-1 bar<br>-14.5 psi |
| Overload pressure | 0.5 MPa<br>5 bar<br>72.5 psi |
| 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 |
| Accuracy in ± % FS | 3 %FS |
| Repetition accuracy in ± %FS | 0.3 %FS |
| Temperature co-efficient in ± %FS/K | 0.05 %FS/K |
| Long-term drift | ±0.5% FS max. |
| 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 |
| Min. load resistance of voltage output | 20 kOhm |
| Short-circuit protection | Yes |
| Overload protection | Yes |
| DC operating voltage range | 15 V...30 V |

| Feature | Value |
|---|---|
| Permissible voltage fluctuations | +/- 10% |
| Reverse polarity protection | for all electrical connections |
| Electrical connection 1, connection type | Cable |
| Electrical connection 1, connection technology | Open end |
| Electrical connection 1, number of pins/wires | 3 |
| Cable length | 2.5 m |
| Type of mounting | With accessories |
| Mounting position | Any |
| Pneumatic connection | QS-6 |
| Product weight | 47 g |
| Housing material | PA-reinforced<br>Reinforced POM |
| Materials in contact with the media | Reinforced POM |
| Sealing ring material | FPM<br>NBR |
| Ready status indication | Green LED |
| 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 |