

Pressure sensor SDE5-

Part number: 529027



 General operating condition

Data sheet

Overall data sheet – Individual values depend upon your configuration.

| Feature | Value |
|--|---|
| 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 | Differential pressure Relative pressure |
| Measurement method | Piezoresistive pressure sensor |
| Start value for pressure measuring range | -1 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 | NPN PNP |
| Switching function | Window comparator Freely programmable Threshold value with fixed hysteresis Threshold value with variable hysteresis |
| Switching element function | Switchable |
| Max. output current | 100 mA |
| Analogue output | 0 - 10 V |
| Output characteristic curve start value | 0 V |
| Output characteristic curve end value | 10 V |
| Accuracy analogue output in ± %FS | 3 %FS |
| Linearity error in ± %FS | 0.3 %FS |
| Short circuit current rating | Yes |
| Operational voltage range DC | 15 V ... 30 V |
| Reverse polarity protection | For all electrical connections |
| Electrical connection | Cable Plug |
| Cable length | 2.5 m |
| Type of mounting | With accessories |

| Feature | Value |
|---|-----------------------------------|
| Mounting position | Any |
| Pneumatic connection | QS-4 QS-6 QS-5/32 QS-1/4 |
| Product weight | 19 g ... 47 g |
| Material housing | Process automation POM |
| Ready status indication | 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 |