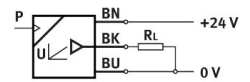


# Pressure sensor SDE5-V1-NF-Q6E-V-K

Part number: 567470

**FESTO**



## 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 bar                                                 |
| Pressure measuring range end value           | -1 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<br>Cable<br>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                                                  |

| Feature                                                   | Value                            |
|-----------------------------------------------------------|----------------------------------|
| Housing material                                          | PA<br>POM                        |
| 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 |