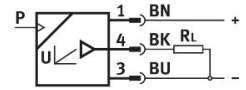


# Pressure sensor SDE5-V1-NF-Q6E-V-M8

Part number: 567463

**FESTO**



[General operating condition](#)

## Data sheet

| Feature                                      | Value                                                       |
|----------------------------------------------|-------------------------------------------------------------|
| Symbol                                       | 00991967                                                    |
| Approval                                     | RCM trademark<br>c UL us - Recognized (OL)                  |
| CE mark (see declaration of conformity)      | To EU EMC Directive<br>In accordance with 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                                           |
| Measurement method                           | Piezoresistive pressure sensor                              |
| Start value for pressure measuring range     | 0 bar                                                       |
| End value for pressure measuring range       | -1 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                                                  |
| 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                        | 3-pin<br>M8x1<br>Plugs<br>To EN 60947-5-2<br>Round design   |
| Type of mounting                             | With accessories                                            |
| Mounting position                            | optional                                                    |
| Pneumatic connection                         | QS-6                                                        |
| Product weight                               | 19 g                                                        |
| Material housing                             | 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 class                | Class 4 according to ISO 14644-1 |