

# pressure sensor

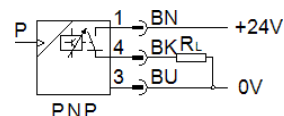
## SDE5-V1-01-Q6-P-M8

Part number: 542886

★ Core product range

For vacuum with M8 plug version.

**FESTO**



## Data sheet

| Feature                                 | Value                                                           |
|-----------------------------------------|-----------------------------------------------------------------|
| Authorisation                           | RCM Mark<br>c UL us - Recognized (OL)                           |
| CE mark (see declaration of conformity) | to EU directive for EMC<br>in accordance with EU RoHS directive |
| KC mark                                 | KC-EMV                                                          |
| Materials note                          | Conforms to RoHS                                                |
| Measured variable                       | Relative pressure                                               |
| Measurement method                      | Piezoresistive pressure sensor                                  |
| Pressure measuring range, initial value | 0 bar                                                           |
| Pressure measuring range, final value   | -1 bar                                                          |
| Operating medium                        | Compressed air in accordance with ISO8573-1:2010 [7:4:4]        |
| Note on operating and pilot medium      | Lubricated operation possible                                   |
| Medium temperature                      | 0 ... 50 °C                                                     |
| Ambient temperature                     | 0 ... 50 °C                                                     |
| Repetition accuracy in ± %FS            | 0.3 %FS                                                         |
| Temperature co-efficient in ± %FS/K     | 0.05 %FS/K                                                      |
| Switch output                           | PNP                                                             |
| Switching function                      | Threshold value with fixed hysteresis                           |
| Switching element function              | Normally open contact                                           |
| Max. output current                     | 100 mA                                                          |
| Short circuit strength                  | Yes                                                             |
| Operating voltage range DC              | 15 ... 30 V                                                     |
| Polarity protected                      | for all electrical connections                                  |
| Electrical connection                   | 3-pin<br>M8x1<br>Plug<br>to EN 60947-5-2<br>Round design        |
| Mounting type                           | with accessories                                                |
| Assembly position                       | Any                                                             |
| Pneumatic connection                    | QS-6                                                            |
| Product weight                          | 19 g                                                            |
| Material housing                        | PA<br>POM                                                       |
| Operating status display                | Yellow LED                                                      |
| Threshold value setting range           | 0 ... 100 %                                                     |
| Protection class                        | IP40                                                            |
| Corrosion resistance classification CRC | 2 - Moderate corrosion stress                                   |