

# pressure sensor SDE3-V1S-B-HQ4-2P-M8

Part number: 540193

FESTO

For vacuum with M8 plug version.



## Data sheet

| Feature  | Value  |
|--|--|
| Authorisation                                  | RCM Mark<br>c UL us - Recognized (OL)                    |
| CE mark (see declaration of conformity)        | to EU directive for EMC                                  |
| UKCA marking (see declaration of conformity)   | To UK instructions for EMC<br>To UK RoHS instructions    |
| Materials note                                 | Conforms to RoHS   |
| Measured variable                              | Relative pressure  |
| Measurement method                             | Piezoresistive pressure sensor with display              |
| 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  |
| Accuracy, FS                                   | 2 %FS  |
| Switch output                                  | 2xPNP  |
| Switching function                             | Freely programmable                                      |
| Switching element function                     | Switchable   |
| Switching point reproducibility                | 0.3 %  |
| Max. output current                            | 100 mA   |
| Short circuit strength                         | Pulsing  |
| Operating voltage range DC                     | 15 ... 30 V  |
| Polarity protected                             | for all electrical connections                           |
| Electrical connection 1, connection type       | Plug   |
| Electrical connection 1, connection technology | M8x1, A-coded to EN 61076-2-104                          |
| Electrical connection 1, number of pins/wires  | 4  |
| Electrical connection 1, type of mounting      | Screw lock   |
| Mounting type                                  | with through hole<br>with top-hat rail                   |
| Assembly position                              | Any  |
| Pneumatic connection                           | QS-4   |
| Product weight                                 | 37 g   |
| Material housing                               | PA-reinforced<br>PC                                      |
| Type of display                                | illuminated LCD  |
| Operating status display                       | LCD, yellow  |
| Setting options                                | Teach-In   |
| Protection against manipulation                | PIN-Code   |
| Threshold value setting range                  | 0 ... 100 %  |
| Hysteresis setting range                       | 0 ... 90 %   |
| Protection class                               | IP65   |
| Corrosion resistance classification CRC        | 2 - Moderate corrosion stress                            |
| PWIS conformity                                | VDMA24364-B1/B2-L  |