

# Pressure sensor SDE3-V1D-H-HQ4-2P-M8

Part number: 540197

**FESTO**



## Data sheet

| Feature  | Value   |
|--|---|
| 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                                    | 2 x relative pressure                                       |
| Measurement method                                   | Piezoresistive pressure sensor with display                 |
| Start value for pressure measuring range             | 0 MPa<br>0 bar<br>0 psi                                     |
| End value for pressure measuring range               | -0.1 MPa<br>-1 bar<br>-14.5 psi                             |
| 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  |
| Accuracy in ± % FS                                   | 2 %FS   |
| Switching output                                     | 2xPNP   |
| Switching function                                   | Freely programmable   |
| Switching element function                           | Switchable  |
| Reproducibility of switching value                   | 0.3 %   |
| Max. output current                                  | 100 mA  |
| Short circuit current rating                         | Pulsed  |
| Operational voltage range DC                         | 15 V...30 V   |
| Reverse polarity protection                          | For all electrical connections                              |
| Electrical connection 1, connection type             | Plugs   |
| Electrical connection 1, connector system            | M8x1, A-coded, to EN 61076-2-104                            |
| Electrical connection 1, number of connections/cores | 4   |
| Electrical connection 1, type of mounting            | Screw-type lock   |
| Type of mounting                                     | With through-hole<br>With H-rail                            |

| Feature                        | Value                            |
|--------------------------------|----------------------------------|
| Mounting position              | optional                         |
| Pneumatic connection           | QS-4                             |
| Product weight                 | 37 g                             |
| Material housing               | PA-reinforced<br>PC              |
| Display type                   | Illuminated LCD                  |
| Switching status indication    | LCD yellow                       |
| Setting options                | Teach-in                         |
| Protection against tampering   | PIN code                         |
| Setting range threshold value  | 0 %...100 %                      |
| Setting range hysteresis       | 0 %...90 %                       |
| Degree of protection           | IP65                             |
| Corrosion resistance class CRC | 2 - Moderate corrosion stress    |
| LABS (PWIS) conformity         | VDMA24364-B1/B2-L                |
| Cleanroom class                | Class 4 according to ISO 14644-1 |