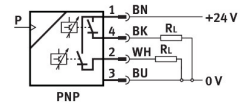


# Pressure sensor SDE3-V1Z-H-HQ4-2P-M8

Part number: 540200

**FESTO**



[PDF General operating condition](#)

## Data sheet

| Feature                                              | Value                                                       |
|------------------------------------------------------|-------------------------------------------------------------|
| Symbol                                               | 00991165                                                    |
| 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                                    | Differential pressure                                       |
| Measurement method                                   | Piezoresistive pressure sensor with display                 |
| Start value for pressure measuring range             | 0 MPa                                                       |
| Start value for pressure measuring range             | 0 bar                                                       |
| Start value for pressure measuring range             | 0 psi                                                       |
| End value for pressure measuring range               | -0.1 MPa                                                    |
| End value for pressure measuring range               | -1 bar                                                      |
| End value for pressure measuring range               | -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                                             |
| Electrical connection 1, connection pattern          | 00991171                                                    |
| Type of mounting                                     | With through-hole<br>With H-rail                            |
| Mounting position                                    | optional                                                    |

| Feature                        | Value                            |
|--------------------------------|----------------------------------|
| Pneumatic connection           | QS-4                             |
| Product weight                 | 37 g                             |
| Material housing               | 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 |