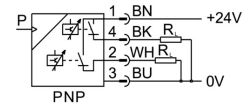


# Pressure sensor SDE3-V1S-B-HQ4-2P-M8

Part number: 540193

**FESTO**



## Data sheet

| Feature                                    | Value                                                        |
|--------------------------------------------|--------------------------------------------------------------|
| Type code                                  | SDE3                                                         |
| Symbol                                     | 00991165                                                     |
| Certification                              | RCM compliance mark<br>c UL us - Recognized (OL)             |
| CE marking (see declaration of conformity) | As per EU EMC directive                                      |
| Note on materials                          | Free of copper and PTFE<br>RoHS-compliant                    |
| Measured variable                          | Relative pressure                                            |
| Method of measurement                      | Piezoresistive pressure sensor with display                  |
| Pressure measuring range initial value     | 0 bar                                                        |
| Pressure measuring range end value         | -1 bar                                                       |
| Operating medium                           | Compressed air as per ISO 8573-1:2010 [7:4:4]                |
| Information on operating and pilot media   | Operation with oil lubrication possible                      |
| Temperature of medium                      | 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 protection                   | Pulsed                                                       |
| DC operating voltage range                 | 15 V ... 30 V                                                |
| Reverse polarity protection                | for all electrical connections                               |
| Electrical connection                      | 4-pin<br>M8x1<br>Plug<br>as per EN 60947-5-2<br>Round design |
| Type of mounting                           | With through-hole<br>With H-rail                             |
| Mounting position                          | Any                                                          |
| Pneumatic connection                       | QS-4                                                         |
| Product weight                             | 37 g                                                         |
| Housing material                           | PA-reinforced<br>PC                                          |
| Display type                               | Illuminated LCD                                              |
| Switching status indication                | LCD yellow                                                   |

| Feature                          | Value                         |
|----------------------------------|-------------------------------|
| 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 |