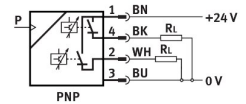


# Pressure sensor SDE3-D6M-B-HQ4-2P-M12

Part number: 568668

**FESTO**



[PDF General operating condition](#)

## Data sheet

| Feature                                               | Value                                                 |
|-------------------------------------------------------|-------------------------------------------------------|
| Symbol                                                | 00991165                                              |
| Certification                                         | RCM compliance mark<br>c UL us - Recognized (OL)      |
| CE marking (see declaration of conformity)            | As per EU EMC directive<br>As per 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                                     | 1x relative pressure/1x differential pressure         |
| Method of measurement                                 | Piezoresistive pressure sensor with display           |
| Pressure measuring range initial value                | 0 MPa                                                 |
| Pressure measuring range initial value                | 0 bar                                                 |
| Pressure measuring range initial value                | 0 psi                                                 |
| Pressure measuring range end value                    | 0.6 MPa                                               |
| Pressure measuring range end value                    | 6 bar                                                 |
| Pressure measuring range end value                    | 87 psi                                                |
| 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 1, connection type              | Plug                                                  |
| Electrical connection 1, connection technology        | M12x1 A-coded as per EN 61076-2-101                   |
| Electrical connection 1, number of pins/wires         | 5                                                     |
| Electrical connection 1, type of mounting             | Screw-type lock                                       |
| Electrical connection for input 1, connection pattern | 00995383                                              |
| Type of mounting                                      | With through-hole<br>With H-rail                      |
| Mounting position                                     | Any                                                   |

| Feature                          | Value                            |
|----------------------------------|----------------------------------|
| Pneumatic connection             | QS-4                             |
| Product weight                   | 37 g                             |
| Housing material                 | 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 |