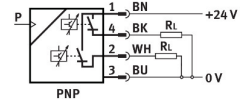


Pressure sensor SDE3-D10M-B-WQ4-2P-M12

Part number: 568666

FESTO



[PDF General operating condition](#)

Data sheet

| Feature | Value |
|--|--|
| Symbol | 00991165 |
| Approval | RCM trademark c UL us - Recognized (OL) |
| CE mark (see declaration of conformity) | To EU EMC Directive In accordance with EU RoHS Directive |
| UKCA marking (see declaration of conformity) | To UK instructions for EMC To UK RoHS instructions |
| Note on materials | RoHS-compliant |
| Measured variable | 1x relative pressure/1x 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 | 1 MPa |
| End value for pressure measuring range | 10 bar |
| End value for pressure measuring range | 145 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 | M12x1, A-coded to EN 61076-2-101 |
| Electrical connection 1, number of connections/cores | 5 |
| Electrical connection 1, type of mounting | Screw-type lock |
| Electrical connection 1, connection pattern | 00995383 |
| Type of mounting | With through-hole With H-rail Via wall/surface bracket |

| Feature | Value |
|--------------------------------|----------------------------------|
| Mounting position | optional |
| 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 |