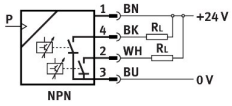
# Pressure sensor
# SDE3-V1Z-B-HQ4-2N-M8

Part number: 540202






## Data sheet

| Feature | Value |
|---|---|
| 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 | Differential pressure |
| Method of measurement | Piezoresistive pressure sensor with display |
| Pressure measuring range initial value | 0 MPa<br>0 bar<br>0 psi |
| Pressure measuring range end value | -0.1 MPa<br>-1 bar<br>-14.5 psi |
| Overload pressure | 0.5 MPa<br>5 bar<br>72.5 psi |
| Operating medium | Compressed air as per ISO 8573-1:2010 [7:4:4] |
| Information on operating and pilot media | Lubricated operation possible |
| Temperature of medium | 0 °C...50 °C |
| Ambient temperature | 0 °C...50 °C |
| Accuracy in ± % FS | 2 %FS...3 %FS |
| Repetition accuracy in ± %FS | 0.3 %FS |
| Temperature co-efficient in ± %FS/K | 0.05 %FS/K |
| Switching output | 2xNPN |
| Switching function | Freely programmable |
| Switching element function | Switchable |
| Reproducibility of switching value | 0.3 % |
| On time | 3 ms |
| Switch-off time | 3 ms |
| Max. output current | 100 mA |
| Voltage drop | 1.5 V |
| Display range start value | 0 %FS |

| Feature | Value |
|---|---|
| Display range end value | 100 %FS |
| Short-circuit protection | Yes |
| Overload protection | Available |
| 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 | M8x1 A-coded as per EN 61076-2-104 |
| Electrical connection 1, number of pins/wires | 4 |
| Electrical connection 1, type of mounting | Snap-locking<br>Screw-type lock<br>not rotatable<br>Compatible with snap-locking<br>Compatible with rotatable screw-type lock |
| Type of mounting | With through-hole<br>With DIN rail |
| Mounting position | Any |
| Pneumatic connection | QS-4 |
| Product weight | 37 g |
| Housing material | PA-reinforced |
| Materials in contact with the media | FPM<br>Brass, nickel-plated<br>NBR<br>PA-reinforced |
| Display type | Illuminated LCD |
| Displayable unit(s) | bar |
| 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 suitability, measured according to ISO 14644-14 | Class 4 according to ISO 14644-1 |