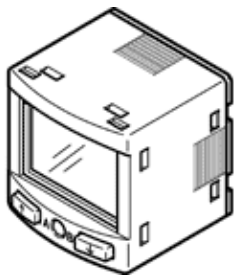


pressure sensor SPAN-B-B2R-M5FAL-PN-L1

Part number: 8114757

FESTO



Data sheet

| Feature | Value |
|--|---|
| Authorisation | RCM Mark c UL us - Listed (OL) |
| CE mark (see declaration of conformity) | to EU directive for EMC in accordance with EU RoHS directive |
| UKCA marking (see declaration of conformity) | To UK instructions for EMC To UK RoHS instructions |
| Materials note | Conforms to RoHS |
| Measured variable | Relative pressure |
| Measurement method | Piezoresistive pressure sensor |
| Pressure measuring range start value (MPa) | -0.1 MPa |
| Pressure measuring range, initial value | -1 bar |
| Pressure measuring range start value (psi) | -14.5 psi |
| Pressure measuring range end value (MPa) | 0.1 MPa |
| Pressure measuring range, final value | 1 bar |
| Pressure measuring range end value (psi) | 14.5 psi |
| Overload range | 5 bar |
| Overload pressure | 0.5 MPa 5 bar |
| Overload pressure (psi) | 72.5 psi |
| Operating medium | Compressed air in accordance with ISO8573-1:2010 [7:4:4] Inert gases |
| Note on operating and pilot medium | Lubricated operation possible |
| Medium temperature | 0 ... 50 °C |
| Ambient temperature | 0 ... 50 °C |
| Accuracy, FS | 1.5 %FS |
| Repetition accuracy in ± %FS | 0.3 %FS |
| Temperature co-efficient in ± %FS/K | 0.1 %FS/K |
| Switch output | PNP/NPN, switchable |
| Switching function | Window comparator Threshold value comparator |
| Switching element function | N/C or N/O contact, switchable |
| Max. output current | 80 mA |
| Short circuit strength | Yes |
| Operating voltage range DC | 10.8 ... 30 V |
| Polarity protected | for all electrical connections |
| Electrical connection 1, connection type | Plug |
| Electrical connection 1, connection technology | Connection pattern L1J |
| Electrical connection 1, number of pins/wires | 4 |
| Mounting type | Front panel installation with wall/surface fixing |
| Assembly position | Any |
| Pneumatic connection | Female thread M5 |
| Product weight | 21 g |
| Material housing | PA-reinforced |
| Materials in contact with media | Anodised wrought aluminium alloy FPM |

| Feature | Value |
|---|--|
| | PA-reinforced |
| Type of display | illuminated LCD |
| Unit(s) that can be displayed | MPa bar inchHg kPa mmHg psi |
| Setting options | Teach-In Via display and buttons |
| Protection against manipulation | PIN-Code |
| Threshold value setting range | 0 ... 100 % |
| Hysteresis setting range | 0 ... 90 % |
| Protection class | IP40 |
| Corrosion resistance classification CRC | 2 - Moderate corrosion stress |
| PWIS conformity | VDMA24364-B1/B2-L |
| RSBP classification to CD-0033 | F1a |
| Cleanroom class | ISO class 4 |