

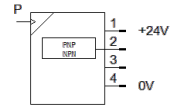
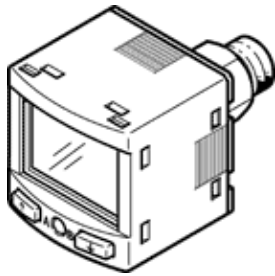
# Pressure sensor

## SPAN-B-B2R-G18M-PN-L1+2.5S

Part number: 8114766

★ Core product range

FESTO



## Data sheet

| Feature  | Value   |
|--|---|
| Authorization                                  | RCM Mark<br>c UL us - Listed (OL)                                       |
| CE symbol (see declaration of conformity)      | according to EU-EMV guideline<br>in accordance with EU RoHS directive   |
| UKCA marking (see declaration of conformity)   | To UK instructions for EMC<br>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<br>5 bar  |
| Overload pressure (psi)                        | 72.5 psi  |
| Operating medium                               | Compressed air in accordance with ISO8573-1:2010 [7:4:4]<br>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<br>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<br>with thread<br>with wall/surface fixing     |
| Assembly position                              | Any   |
| Pneumatic connection                           | Male thread G1/8  |
| Product weight                                 | 31 g  |
| Material housing                               | PA-reinforced   |
| Materials in contact with media                | FPM   |

| Feature                                 | Value                                      |
|---|--|
|   | Nickel-plated brass<br>PA-reinforced       |
| Type of display                         | illuminated LCD                            |
| Unit(s) that can be displayed           | MPa<br>bar<br>inchHg<br>kPa<br>mmHg<br>psi |
| Setting options                         | Teach-In<br>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                          |
| Cleanroom class                         | ISO class 4                                |