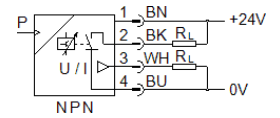
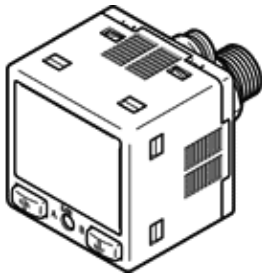


# Pressure sensor SPAB-B2R-N18-NB-L1

Part number: 8000056

FESTO



## Data sheet

| Feature  | Value   |
|--|---|
| Authorization                                    | RCM Mark<br>c UL us - Recognized (OL)                                 |
| CE symbol (see declaration of conformity)        | according to EU-EMV guideline   |
| Materials note                                   | Contains PWIS substances<br>Conforms to RoHS                          |
| Measured variable                                | Relative pressure   |
| Measurement method                               | Piezoresistive pressure sensor with display                           |
| Pressure measuring range, initial value          | -1 bar  |
| Pressure measuring range, final value            | 1 bar   |
| Overload range                                   | 5 bar   |
| Operating medium                                 | Compressed air in accordance with ISO8573-1:2010 [7:4:4]              |
| Note on operating and pilot medium               | Lubricated operation not possible                                     |
| Ambient temperature                              | -10 ... 50 °C   |
| Switch output                                    | NPN   |
| Switching function                               | Freely programmable   |
| Switching element function                       | Switchable  |
| Repetition accuracy of switching output in ± %FS | 0.1 %FS   |
| Max. output current                              | 100 mA  |
| Analog output                                    | 4 - 20 mA<br>1 - 5 V  |
| Precision analog output zero point in ± %FS      | 5 %FS   |
| Precision analog output margin in ± %FS          | 5 %FS   |
| Repetition accuracy of analogue output in ± %FS  | 0.2 %FS   |
| Precision display FS                             | 1 %FS   |
| Short circuit strength                           | Yes   |
| Operating voltage range DC                       | 12 ... 24 V   |
| Polarity protected                               | for all electrical connections  |
| Electrical connection                            | Plug<br>Cubic design<br>4-pin   |
| Mounting type                                    | Optional<br>Threaded<br>with accessories                              |
| Pneumatic connection                             | Male thread NPT1/8-27<br>Female thread M5                             |
| Product weight                                   | 45 g  |
| Materials information, housing                   | ABS-reinforced<br>PBT-reinforced                                      |
| Type of display                                  | Illuminated LCD, multicolored   |
| Unit(s) that can be displayed                    | bar<br>inchH2O<br>inchHg<br>kPa<br>kgf/cm <sup>2</sup><br>mmHg<br>psi |

| Feature                                 | Value                               |
|---|-------------------------------------|
| Operating status display                | LCD, yellow                         |
| 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       |