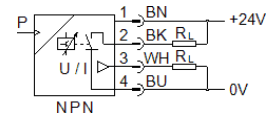
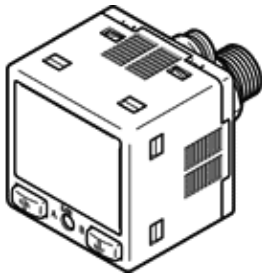


# Pressure sensor SPAB-P10R-N18-NB-L1

Part number: 8000068

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          | 0 bar  |
| Pressure measuring range, final value            | 10 bar   |
| Overload range                                   | 15 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 | 0.2 %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                             | 2 %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                    | MPa<br>bar<br>kPa<br>kgf/cm <sup>2</sup><br>psi          |
| Operating status display                         | LCD, yellow  |
| Setting options                                  | Teach-In   |

| Feature                                 | Value                         |
|---|-------------------------------|
|   | 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 |