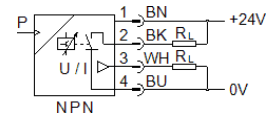


Pressure sensor SPAB-B2R-G18-NB-L1

Part number: 8000054

FESTO



Data sheet

| Feature | Value |
|--|---|
| Authorization | RCM Mark c UL us - Recognized (OL) |
| CE symbol (see declaration of conformity) | according to EU-EMV guideline |
| Materials note | Contains PWIS substances 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 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 Cubic design 4-pin |
| Mounting type | Optional Threaded with accessories |
| Pneumatic connection | Male thread G1/8 Female thread M5 |
| Product weight | 45 g |
| Materials information, housing | ABS-reinforced PBT-reinforced |
| Type of display | Illuminated LCD, multicolored |
| Unit(s) that can be displayed | bar inchH2O inchHg kPa kgf/cm ² mmHg psi |

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