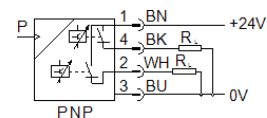


# pressure sensor SPAW-B11R-G14F-2P-M12

Part number: 8022741

FESTO



## Data sheet

| Feature                                 | Value  |
|---|--|
| Authorisation                           | RCM Mark<br>c UL us - Listed (OL)  |
| CE mark (see declaration of conformity) | to EU directive for EMC  |
| Materials note                          | Contains PWIS substances<br>Conforms to RoHS   |
| Measured variable                       | Relative pressure  |
| Measurement method                      | Thin metal film pressure sensor  |
| Pressure measuring range, initial value | -1 bar   |
| Pressure measuring range, final value   | 10 bar   |
| Overload range                          | 20 bar   |
| Operating medium                        | Compressed air in accordance with ISO8573-1:2010 [-:-:-]<br>Gaseous media<br>Fluid media |
| Medium temperature                      | -20 ... 85 °C  |
| Ambient temperature                     | 0 ... 80 °C  |
| Accuracy, FS                            | 1 %FS  |
| Repetition accuracy in ± %FS            | 0.15 %FS   |
| Switch output                           | 2xPNP  |
| Switching function                      | Freely programmable  |
| Switching element function              | Switchable   |
| Max. output current                     | 250 mA   |
| Rise time                               | 3 ms   |
| Short circuit strength                  | Yes  |
| Operating voltage range DC              | 15 ... 35 V  |
| Polarity protected                      | for operating voltage  |
| Electrical connection                   | Plug<br>Round design<br>to EN 60947-5-2<br>M12x1<br>4-pin                                |
| Mounting type                           | with internal (female) thread<br>with accessories  |
| Assembly position                       | Any  |
| Pneumatic connection                    | Female thread 1/4  |
| Product weight                          | 230 g  |
| Material housing                        | ABS<br>High alloy steel, non-corrosive   |
| Materials in contact with media         | High alloy steel, non-corrosive  |
| Type of display                         | 4-place alphanumeric<br>LED display  |
| Unit(s) that can be displayed           | MPa<br>bar<br>kPa<br>kg/cm <sup>2</sup>  |

| Feature                                 | Value                          |
|---|--------------------------------|
|   | psi                            |
| Operating status display                | Red LED                        |
| Setting options                         | Via display and buttons        |
| Protection against manipulation         | PIN-Code                       |
| Threshold value setting range           | 0.5 ... 100 %                  |
| Hysteresis setting range                | 0.5 ... 99.5 %                 |
| Protection class                        | IP65<br>IP67                   |
| Corrosion resistance classification CRC | 4 - Very high corrosion stress |