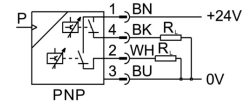


# Pressure sensor SPAW-B11R-G12M-2P-M12

Part number: 8022750

FESTO



## Data sheet

| Feature                                    | Value   |
|--|---|
| Type code                                  | SPAW  |
| Symbol                                     | 00991165  |
| Certification                              | RCM compliance mark<br>c UL us - Listed (OL)                                  |
| CE marking (see declaration of conformity) | As per EU EMC directive   |
| Note on materials                          | Contains paint-wetting impairment substances<br>RoHS-compliant                |
| Measured variable                          | Relative pressure   |
| Method of measurement                      | Metal thin-film pressure sensor   |
| Pressure measuring range initial value     | -1 bar  |
| Pressure measuring range end value         | 10 bar  |
| Max. overload pressure                     | 20 bar  |
| Operating medium                           | Compressed air as per ISO 8573-1:2010 [-:--]<br>Liquid media<br>Gaseous media |
| Temperature of medium                      | -20 °C ... 85 °C  |
| Ambient temperature                        | 0 °C ... 80 °C  |
| Accuracy in ± % FS                         | 1 %FS   |
| Repetition accuracy in ± %FS               | 0.15 %FS  |
| Switching output                           | 2xPNP   |
| Switching function                         | Freely programmable   |
| Switching element function                 | Switchable  |
| Max. output current                        | 250 mA  |
| Rise time                                  | 3 ms  |
| Short-circuit protection                   | yes   |
| DC operating voltage range                 | 15 V ... 35 V   |
| Reverse polarity protection                | for operating voltage   |
| Electrical connection                      | 4-pin<br>M12x1<br>Plug<br>as per EN 60947-5-2<br>Round design                 |
| Type of mounting                           | With external thread  |
| Mounting position                          | Any   |
| Pneumatic connection                       | External thread G1/2  |
| Product weight                             | 230 g   |
| Housing material                           | ABS<br>High-alloy stainless steel   |

| <b>Feature</b>                      | <b>Value</b>                                   |
|-------------------------------------|--|
| Materials in contact with the media | High-alloy stainless steel                     |
| Sealing ring material               | NBR  |
| Display type                        | 4-character alphanumeric<br>LED display        |
| Displayable unit(s)                 | MPa<br>bar<br>kPa<br>kg/cm <sup>2</sup><br>psi |
| Switching status indication         | LED red  |
| Setting options                     | Via display and pushbuttons                    |
| Protection against tampering        | PIN code                                       |
| Setting range threshold value       | 0.5 % ... 100 %                                |
| Setting range hysteresis            | 0.5 % ... 99.5 %                               |
| Degree of protection                | IP65<br>IP67                                   |
| Corrosion resistance class (CRC)    | 4 - Particularly high corrosion stress         |