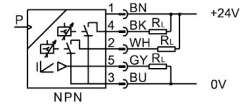


# Pressure sensor SPAW-B11R-G12M-2NA-M12

Part number: 8022822

FESTO



[General operating condition](#)

## Data sheet

| Feature                                      | Value  |
|--|--|
| Symbol                                       | 00995379   |
| Approval                                     | RCM trademark<br>c UL us listed (OL)                                       |
| CE mark (see declaration of conformity)      | To EU EMC Directive<br>In accordance with EU RoHS Directive                |
| UKCA marking (see declaration of conformity) | To UK instructions for EMC<br>To UK RoHS instructions                      |
| Note on materials                            | RoHS-compliant   |
| Measured variable                            | Relative pressure  |
| Measurement method                           | Metal thin-film pressure sensor  |
| Start value for pressure measuring range     | -0.1 MPa   |
| Start value for pressure measuring range     | -1 bar   |
| Start value for pressure measuring range     | -14.5 psi  |
| End value for pressure measuring range       | 1 MPa  |
| End value for pressure measuring range       | 10 bar   |
| End value for pressure measuring range       | 145 psi  |
| Overload pressure                            | 2 MPa  |
| Overload pressure                            | 20 bar   |
| Overload pressure                            | 290 psi  |
| Operating medium                             | Compressed air to ISO 8573-1:2010 [-:-:-]<br>Liquid media<br>Gaseous media |
| Media temperature                            | -20 °C ... 85 °C   |
| Ambient temperature                          | 0 °C ... 80 °C   |
| Accuracy in ± % FS                           | 1 %FS  |
| Repetition accuracy in ± %FS                 | 0.15 %FS   |
| Switching output                             | 2xNPN  |
| Switching function                           | Freely programmable  |
| Switching element function                   | Switchable   |
| Max. output current                          | 250 mA   |
| Analogue output                              | 4 - 20 mA  |
| Rise time                                    | 3 ms   |
| Short circuit current rating                 | yes  |
| Operational voltage range DC                 | 15 V ... 35 V  |
| Reverse polarity protection                  | For operating voltage  |
| Electrical connection 1, connection type     | Plugs  |
| Electrical connection 1, connector system    | M12x1, A-coded to EN 61076-2-101   |

| Feature  | Value  |
|--|--|
| Electrical connection 1, number of connections/cores | 5  |
| Electrical connection 1, type of mounting            | Screw-type lock<br>Not rotatable               |
| Electrical connection 1, compatible type of mounting | Compatible with rotatable screw-type lock      |
| Electrical connection 1, connection pattern          | 00995383                                       |
| Type of mounting                                     | Via male thread                                |
| Pneumatic connection                                 | Male thread G1/2                               |
| Product weight                                       | 230 g  |
| Material housing                                     | High-alloy stainless steel                     |
| Material in contact with the medium                  | High-alloy stainless steel                     |
| Material sealing ring                                | NBR  |
| Display type   | 4-place alphanumeric<br>LED indicator          |
| Displayable units                                    | MPa<br>bar<br>kPa<br>kg/cm <sup>2</sup><br>psi |
| Switching status indication                          | Red LED  |
| Setting options                                      | Via display and keys                           |
| 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 - Very high corrosion stress                 |
| LABS (PWIS) conformity                               | VDMA24364 zone III                             |