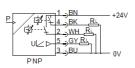
## pressure sensor SPAW-P2R-G12M-2PV-M12 Part number: 8022805

For measuring media pressures, pressure measuring range between 0 and +2 bar, pneumatic connection male thread G1/2.

## **Data sheet**

| Feature  | Value  |
|--|--|
| Authorisation                                  | RCM Mark   |
|  | c UL us - Listed (OL)                                    |
| CE mark (see declaration of conformity)        | to EU directive for EMC                                  |
|  | in accordance with EU RoHS directive                     |
| UKCA marking (see declaration of conformity)   | To UK instructions for EMC                               |
|  | To UK RoHS instructions                                  |
| Materials note                                 | Conforms to RoHS   |
| Measured variable                              | Relative pressure  |
| Measurement method                             | Piezoresistive pressure sensor                           |
| Pressure measuring range start value (MPa)     | 0 MPa  |
| Pressure measuring range, initial value        | 0 bar  |
| Pressure measuring range start value (psi)     | 0 psi  |
| Pressure measuring range end value (MPa)       | 0.2 MPa  |
| Pressure measuring range, final value          | 2 bar  |
| Pressure measuring range end value (psi)       | 29 psi   |
| Overload pressure                              | 0.4 MPa  |
|  | 4 bar  |
| Overload pressure (psi)                        | 58 psi   |
| Operating medium                               | Compressed air in accordance with ISO8573-1:2010 [-:-:-] |
|  | Fluid media  |
|  | Gaseous 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   |
| Analogue output                                | 0 - 10 V   |
| Rise time                                      | 3 ms   |
| Short circuit strength                         | Yes  |
| Operating voltage range DC                     | 15 35 V  |
| Polarity protected                             | for operating voltage                                    |
| Electrical connection 1, connection type       | Plug   |
| Electrical connection 1, connection technology | M12x1, A-coded in accordance with EN 61076-2-101         |
| Electrical connection 1, number of pins/wires  | 5  |
| Electrical connection 1, type of mounting      | Screw lock   |
| Mounting type                                  | with external (male) thread                              |
| Assembly position                              | Any  |
| Pneumatic connection                           | Male thread G1/2   |
| Product weight                                 | 230 g  |
| Material housing                               | ABS  |



**FESTO** 

08/11/2023 - Subject to change - Festo SE & Co. KG

## FESTO

| Feature                                 | Value                           |  |
|---|---------------------------------|--|
|   | High alloy steel, non-corrosive |  |
| Materials in contact with media         | High alloy steel, non-corrosive |  |
| Material sealing ring                   | NBR                             |  |
| Type of display                         | 4-place alphanumeric            |  |
|   | LED display                     |  |
| Unit(s) that can be displayed           | МРа                             |  |
|   | bar                             |  |
|   | kPa                             |  |
|   | kg/cm <sup>2</sup>              |  |
|   | 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                            |  |
|   | IP67                            |  |
| Corrosion resistance classification CRC | 4 - Very high corrosion stress  |  |
| PWIS conformity                         | VDMA24364 zone III              |  |