

# pressure sensor SPAW-P50R-G12M-2PV-M12

Part number: 8022810

FESTO

For measuring media pressures, pressure measuring range between 0 and +50 bar, pneumatic connection male thread G1/2.



## 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 | 0 bar   |
| Pressure measuring range, final value   | 50 bar  |
| Overload range                          | 100 bar   |
| Operating medium                        | Compressed air in accordance with ISO8573-1:2010 [-:::]<br>Fluid media<br>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                   | 5-pin<br>M12x1<br>Plug<br>to EN 60947-5-2<br>Round design                               |
| Mounting type                           | with external (male) thread   |
| Assembly position                       | Any   |
| Pneumatic connection                    | Male thread G1/2  |
| Product weight                          | 230 g   |
| Material housing                        | ABS<br>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<br>LED display   |
| Unit(s) that can be displayed           | MPa<br>bar  |

| Feature                                 | Value                            |
|---|----------------------------------|
|   | kPa<br>kg/cm <sup>2</sup><br>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   |