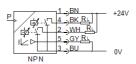
pressure sensor SPAW-P100R-G12M-2NA-M12 Part number: 8022829

For measuring media pressures, pressure measuring range between 0 and +100 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 | Thin metal film 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) | 10 MPa |
| Pressure measuring range, final value | 100 bar |
| Pressure measuring range end value (psi) | 1,450 psi |
| Overload pressure | 20 MPa |
| | 200 bar |
| Overload pressure (psi) | 2,900 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 | 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 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 |
| Pneumatic connection | Male thread G1/2 |
| Product weight | 230 g |
| Material housing | ABS |
| | High alloy steel, non-corrosive |



FESTO

FESTO

| Feature | Value | |
|---|---------------------------------|--|
| 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 ² | |
| | 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 | |