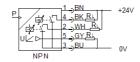
Pressure sensor SPAW-B11R-G14F-2NV-M12

Part number: 8022831



For measuring media pressures, pressure measuring range between -1 and +10 bar, pneumatic connection female thread G1/4.





Data sheet

| Feature | Value |
|--|--|
| Authorization | RCM Mark |
| | c UL us - Listed (OL) |
| CE symbol (see declaration of conformity) | according to EU-EMV guideline |
| | 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) | -0.1 MPa |
| Pressure measuring range, initial value | -1 bar |
| Pressure measuring range start value (psi) | -14.5 psi |
| Pressure measuring range end value (MPa) | 1 MPa |
| Pressure measuring range, final value | 10 bar |
| Pressure measuring range end value (psi) | 145 psi |
| Overload pressure | 2 MPa |
| | 20 bar |
| Overload pressure (psi) | 290 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 |
| Analog 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 internal (female) thread |
| | with accessories |
| Pneumatic connection | Female thread 1/4 |
| Product weight | 230 g |
| Material housing | ABS |



| Feature | Value | |
|---|---------------------------------|--|
| | High alloy steel, non-corrosive | |
| Materials in contact with media | High alloy steel, non-corrosive | |
| Type of display | 4-place alphanumeric | |
| | LED display | |
| Unit(s) that can be displayed | MPa | |
| | bar | |
| | kPa | |
| | kg/cm² | |
| | 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 | |