

Pressure sensor SPAW-B11R-G12M-2NV-M12

Part number: 8022840

FESTO



[General operating condition](#)

Data sheet

| Feature | Value |
|--|---|
| Symbol | 00995380 |
| Approval | RCM c UL us - Listed (Oil) |
| CE mark (see declaration of conformity) | To EU EMC Directive In accordance with EU RoHS Directive |
| UKCA marking (see declaration of conformity) | 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 | Liquid media 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 | 0 - 10 V |
| 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 | Plug |
| Electrical connection 1, connector system | M12x1, A-coded to EN 61076-2-101 |
| Electrical connection 1, number of connections/cores | 5 |

| Feature | Value |
|--|--|
| Electrical connection 1, type of mounting | Screw-type lock Not rotatable |
| Electrical connection 1, compatible type of mounting | Compatible with rotatable screw-type lock |
| Electrical connection 1, connection pattern | 00995383 |
| Type of mounting | With male thread |
| Pneumatic connection | Male thread G1/2 |
| Product weight | 230 g |
| Material housing | ABS High-alloy stainless steel |
| Material in contact with the medium | High-alloy stainless steel |
| Material sealing ring | NBR |
| Display type | 4-place alphanumeric LED indicator |
| Displayable units | MPa bar kPa kg/cm ² psi |
| Switching status indication | LED red |
| Setting options | Via display and buttons |
| Protection against tampering | PIN code |
| Setting range threshold value | 0.5 % ... 100 % |
| Setting range hysteresis | 0.5 % ... 99.5 % |
| Degree of protection | IP65 IP67 |
| Corrosion resistance class CRC | 4 - Very high corrosion stress |
| LABS (PWIS) conformity | VDMA24364 zone III |