

Pressure transmitter SPTW-B2R-G14-A-M12

Part number: 8000100

FESTO



[General operating condition](#)

Data sheet

| Feature | Value |
|--|---|
| Symbol | 00991968 |
| Approval | RCM trademark c UL us listed (OL) |
| 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 | Piezoresistive 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 | 0.1 MPa |
| End value for pressure measuring range | 1 bar |
| End value for pressure measuring range | 14.5 psi |
| Max. overload pressure | 2 bar |
| Overload pressure | 0.2 MPa |
| Overload pressure | 2 bar |
| Overload pressure | 29 psi |
| Operating medium | Liquid media Gaseous media |
| Media temperature | 0 °C ... 80 °C |
| Ambient temperature | 0 °C ... 80 °C |
| Accuracy in ± % FS | 1 %FS |
| Repetition accuracy in ± %FS | 0.1 %FS |
| Analogue output | 4 - 20 mA |
| Linearity error in ± %FS | 0.5 %FS |
| Short circuit current rating | yes |
| Operational voltage range DC | 8 V ... 30 V |
| Reverse polarity protection | For operating voltage |
| Electrical connection 1, connection type | Plugs |
| Electrical connection 1, connector system | M12x1, A-coded to EN 61076-2-101 |
| Electrical connection 1, number of connections/cores | 4 |
| Electrical connection 1, type of mounting | Screw-type lock |
| Electrical connection 1, connection pattern | 00995386 |
| Material connector housing | PA |

| Feature | Value |
|-------------------------------------|--|
| Type of mounting | Via female thread With accessories |
| Mounting position | optional |
| Pneumatic connection | G1/4 |
| Product weight | 80 g |
| Material housing | VMQ (silicone) High-alloy stainless steel |
| Material in contact with the medium | High-alloy stainless steel |
| Degree of protection | IP67 |
| Corrosion resistance class CRC | 4 - Very high corrosion stress |
| LABS (PWIS) conformity | VDMA24364 zone III |