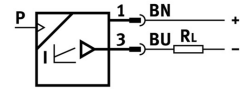


# Pressure transmitter SPTW-P100R-G14-A-M12

Part number: 8000108

**FESTO**



General operating condition

## Data sheet

| Feature                                              | Value                                                                     |
|------------------------------------------------------|---------------------------------------------------------------------------|
| Symbol                                               | 00991968                                                                  |
| Approval                                             | RCM trademark<br>c UL us listed (OL)                                      |
| CE mark (see declaration of conformity)              | To EU EMC Directive<br>In accordance with EU RoHS Directive               |
| CE marking (see declaration of conformity)           | To UK instructions for EMC<br>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 MPa                                                                     |
| Start value for pressure measuring range             | 0 bar                                                                     |
| Start value for pressure measuring range             | 0 psi                                                                     |
| End value for pressure measuring range               | 10 MPa                                                                    |
| End value for pressure measuring range               | 100 bar                                                                   |
| End value for pressure measuring range               | 1450 psi                                                                  |
| Max. overload pressure                               | 200 bar                                                                   |
| Overload pressure                                    | 20 MPa                                                                    |
| Overload pressure                                    | 200 bar                                                                   |
| Overload pressure                                    | 2900 psi                                                                  |
| Operating medium                                     | Compressed air to ISO 8573-1:2010 [-:~:]<br>Liquid media<br>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                                                                  |

| Feature                             | Value                                              |
|-------------------------------------|----------------------------------------------------|
| Material connector housing          | PA                                                 |
| Type of mounting                    | Via female thread<br>With accessories              |
| Mounting position                   | optional                                           |
| Pneumatic connection                | G1/4                                               |
| Product weight                      | 80 g                                               |
| Material housing                    | PA<br>VMQ (silicone)<br>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                                 |