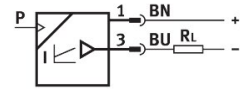


# Pressure transmitter SPTW-P16R-G14-A-M12

Part number: 8000105

**FESTO**



[General operating condition](#)

## Data sheet

| Feature                                               | Value                                                 |
|-------------------------------------------------------|-------------------------------------------------------|
| Symbol                                                | 00991968                                              |
| Certification                                         | RCM compliance mark<br>c UL us - Listed (OL)          |
| CE marking (see declaration of conformity)            | As per EU EMC directive<br>As per EU RoHS directive   |
| UKCA marking (see declaration of conformity)          | To UK instructions for EMC<br>To UK RoHS instructions |
| Note on materials                                     | RoHS-compliant                                        |
| Measured variable                                     | Relative pressure                                     |
| Method of measurement                                 | Metal thin-film pressure sensor                       |
| Pressure measuring range initial value                | 0 MPa                                                 |
| Pressure measuring range initial value                | 0 bar                                                 |
| Pressure measuring range initial value                | 0 psi                                                 |
| Pressure measuring range end value                    | 1.6 MPa                                               |
| Pressure measuring range end value                    | 16 bar                                                |
| Pressure measuring range end value                    | 232 psi                                               |
| Max. overload pressure                                | 32 bar                                                |
| Overload pressure                                     | 3.2 MPa                                               |
| Overload pressure                                     | 32 bar                                                |
| Overload pressure                                     | 464 psi                                               |
| Operating medium                                      | Liquid media<br>Gaseous media                         |
| Temperature of medium                                 | 0 °C ... 80 °C                                        |
| Ambient temperature                                   | 0 °C ... 80 °C                                        |
| Accuracy in ± % FS                                    | 1 %FS                                                 |
| Repetition accuracy in ± %FS                          | 0.1 %FS                                               |
| Analog output                                         | 4 - 20 mA                                             |
| Linearity error in ± % FS                             | 0.5 %FS                                               |
| Short-circuit protection                              | yes                                                   |
| DC operating voltage range                            | 8 V ... 30 V                                          |
| Reverse polarity protection                           | for operating voltage                                 |
| Electrical connection 1, connection type              | Plug                                                  |
| Electrical connection 1, connection technology        | M12x1 A-coded as per EN 61076-2-101                   |
| Electrical connection 1, number of pins/wires         | 4                                                     |
| Electrical connection 1, type of mounting             | Screw-type lock                                       |
| Electrical connection for input 1, connection pattern | 00995386                                              |
| Material of plug housing                              | PA                                                    |

| Feature                             | Value                                        |
|-------------------------------------|----------------------------------------------|
| Type of mounting                    | With internal thread<br>With accessories     |
| Mounting position                   | Any                                          |
| Pneumatic connection                | G1/4                                         |
| Product weight                      | 80 g                                         |
| Housing material                    | VMQ (silicone)<br>High-alloy stainless steel |
| Materials in contact with the media | High-alloy stainless steel                   |
| Degree of protection                | IP67                                         |
| Corrosion resistance class (CRC)    | 4 - Particularly high corrosion stress       |
| LABS (PWIS) conformity              | VDMA24364 zone III                           |