

# Pressure transmitter

## SPTW-P6R-G14-VD-M12

Part number: 8000112

FESTO



## Data sheet

| Feature  | Value   |
|--|---|
| Authorization                                  | RCM Mark<br>c UL us - Listed (OL)   |
| CE symbol (see declaration of conformity)      | according to EU-EMV guideline<br>in accordance with EU RoHS directive                   |
| UKCA marking (see declaration of conformity)   | To UK instructions for EMC<br>To UK RoHS instructions                                   |
| Materials note                                 | Conforms to RoHS  |
| Measured variable                              | Relative pressure   |
| Measurement method                             | Piezoresistive pressure sensor  |
| Pressure measuring range start value (MPa)     | 0 MPa   |
| Pressure measuring range, initial value        | 0 bar   |
| Pressure measuring range start value (psi)     | 0 psi   |
| Pressure measuring range end value (MPa)       | 0.6 MPa   |
| Pressure measuring range, final value          | 6 bar   |
| Pressure measuring range end value (psi)       | 87 psi  |
| Overload range                                 | 12 bar  |
| Overload pressure                              | 1.2 MPa<br>12 bar   |
| Overload pressure (psi)                        | 174 psi   |
| Operating medium                               | Compressed air in accordance with ISO8573-1:2010 [-:::]<br>Fluid media<br>Gaseous media |
| Medium temperature                             | 0 ... 80 °C   |
| Ambient temperature                            | 0 ... 80 °C   |
| Accuracy, FS                                   | 1 %FS   |
| Repetition accuracy in ± %FS                   | 0.1 %FS   |
| Analog output                                  | 0,1 - 10 V  |
| Linearity error in ± %FS                       | 0.5 %FS   |
| Short circuit strength                         | Yes   |
| Operating voltage range DC                     | 14 ... 30 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  | 4   |
| Electrical connection 1, type of mounting      | Screw lock  |
| Material connector housing                     | PA  |
| Mounting type                                  | with internal (female) thread<br>with accessories                                       |
| Assembly position                              | Any   |
| Pneumatic connection                           | G1/4  |
| Product weight                                 | 80 g  |
| Material housing                               | PA<br>VMQ (silicon)<br>High alloy steel, non-corrosive                                  |
| Materials in contact with media                | High alloy steel, non-corrosive   |
| Protection class                               | IP67  |
| Corrosion resistance classification CRC        | 4 - Very high corrosion stress  |
| PWIS conformity                                | VDMA24364 zone III  |