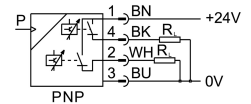


# Pressure sensor SPAW-P10R-G14F-2P-M12

Part number: 8022744

FESTO



## Data sheet

| Feature                                    | Value   |
|--|---|
| 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<br>0 bar<br>0 psi   |
| End value for pressure measuring range     | 1 MPa<br>10 bar<br>145 psi  |
| Overload pressure                          | 2 MPa<br>20 bar<br>290 psi  |
| Operating medium                           | Compressed air to ISO 8573-1:2010 [-:~:]<br>Liquid media<br>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                           | 2xPNP   |
| Switching function                         | Freely programmable   |
| Switching element function                 | Switchable  |
| Max. output current                        | 250 mA  |
| 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   | Plugs   |

| Feature  | Value  |
|--|--|
| 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                                |
| Type of mounting                                     | Via female thread<br>With accessories          |
| Mounting position                                    | optional                                       |
| Pneumatic connection                                 | Female thread G1/4                             |
| Product weight                                       | 230 g  |
| Material housing                                     | ABS<br>High-alloy stainless steel              |
| Material in contact with the medium                  | High-alloy stainless steel                     |
| Display type   | 4-place alphanumeric<br>LED indicator          |
| Displayable units                                    | MPa<br>bar<br>kPa<br>kg/cm <sup>2</sup><br>psi |
| Switching status indication                          | Red LED  |
| Setting options                                      | Via display and keys                           |
| Protection against tampering                         | PIN code                                       |
| Setting range threshold value                        | 0.5 %...100 %                                  |
| Setting range hysteresis                             | 0.5 %...99.5 %                                 |
| Degree of protection                                 | IP65<br>IP67                                   |
| Corrosion resistance class CRC                       | 4 - Very high corrosion stress                 |
| LABS (PWIS) conformity                               | VDMA24364 zone III                             |