

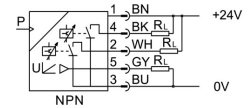
# Pressure sensor SPAW-P6R-G12M-2NV-M12

Part number: 8022842

**FESTO**



## Data sheet



| Feature                                    | Value                                                                         |
|--------------------------------------------|-------------------------------------------------------------------------------|
| Type code                                  | SPAW                                                                          |
| Symbol                                     | 00995380                                                                      |
| Certification                              | RCM compliance mark<br>c UL us - Listed (OL)                                  |
| CE marking (see declaration of conformity) | As per EU EMC directive                                                       |
| Note on materials                          | Contains paint-wetting impairment substances<br>RoHS-compliant                |
| Measured variable                          | Relative pressure                                                             |
| Method of measurement                      | Piezoresistive pressure sensor                                                |
| Pressure measuring range initial value     | 0 bar                                                                         |
| Pressure measuring range end value         | 6 bar                                                                         |
| Max. overload pressure                     | 12 bar                                                                        |
| Operating medium                           | Compressed air as per ISO 8573-1:2010 [-:--]<br>Liquid media<br>Gaseous media |
| Temperature of medium                      | -20 °C ... 85 °C                                                              |
| Ambient temperature                        | 0 °C ... 80 °C                                                                |
| Accuracy in ± % FS                         | 1 %FS                                                                         |
| Repetition accuracy in ± %FS               | 0.15 %FS                                                                      |
| Switching output                           | 2xNPN                                                                         |
| Switching function                         | Freely programmable                                                           |
| Switching element function                 | Switchable                                                                    |
| Max. output current                        | 250 mA                                                                        |
| Analog output                              | 0 - 10 V                                                                      |
| Rise time                                  | 3 ms                                                                          |
| Short-circuit protection                   | yes                                                                           |
| DC operating voltage range                 | 15 V ... 35 V                                                                 |
| Reverse polarity protection                | for operating voltage                                                         |
| Electrical connection                      | 5-pin<br>M12x1<br>Plug<br>as per EN 60947-5-2<br>Round design                 |
| Type of mounting                           | With external thread                                                          |
| Pneumatic connection                       | External thread G1/2                                                          |
| Product weight                             | 230 g                                                                         |
| Housing material                           | ABS<br>High-alloy stainless steel                                             |

| Feature                             | Value                                          |
|-------------------------------------|------------------------------------------------|
| Materials in contact with the media | High-alloy stainless steel                     |
| Sealing ring material               | NBR                                            |
| Display type                        | 4-character alphanumeric<br>LED display        |
| Displayable unit(s)                 | MPa<br>bar<br>kPa<br>kg/cm <sup>2</sup><br>psi |
| Switching status indication         | LED red                                        |
| Setting options                     | Via display and pushbuttons                    |
| 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 - Particularly high corrosion stress         |