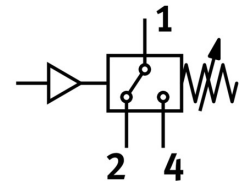


# Pressure switch PEV-1/4-B-M12

Part number: 192488

FESTO



## Data sheet

[General operating condition](#)

| Feature                                    | Value                                                                                                                      |
|--------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Conforms to standard                       | EN 60947-5-1                                                                                                               |
| Symbol                                     | 00991472                                                                                                                   |
| Approval                                   | CCC<br>c UL us - Recognized (OL)                                                                                           |
| CE mark (see declaration of conformity)    | To EU Low Voltage Directive                                                                                                |
| CE marking (see declaration of conformity) | To UK regulations for electrical equipment                                                                                 |
| Explosion protection                       | The information in the certificate must be observed!<br>Zone 1 (ATEX)<br>Zone 2 (ATEX)<br>Zone 21 (ATEX)<br>Zone 22 (ATEX) |
| Note on materials                          | RoHS-compliant                                                                                                             |
| Measured variable                          | Relative pressure                                                                                                          |
| Measurement method                         | Pneumatic/electric pressure transducer                                                                                     |
| Operating pressure                         | 0.1 MPa ... 1.2 MPa                                                                                                        |
| Operating pressure                         | 1 bar ... 12 bar                                                                                                           |
| Operating medium                           | Compressed air to ISO 8573-1:2010 [7:-:-]<br>Water                                                                         |
| Note on operating and pilot medium         | Lubricated operation possible (in which case lubricated operation will always be required)                                 |
| Media temperature                          | -20 °C ... 80 °C                                                                                                           |
| Ambient temperature                        | -20 °C ... 80 °C                                                                                                           |
| Switching element function                 | Changeover switch                                                                                                          |
| Max. switching frequency                   | 3 Hz                                                                                                                       |
| Max. switching output voltage AC           | 48 V                                                                                                                       |
| Max. switching output voltage DC           | 48 V                                                                                                                       |
| Max. output current                        | 4000 mA                                                                                                                    |
| Min. load current                          | 1 mA at 24 V<br>10 mA at 10 V<br>100 mA at 5 V                                                                             |
| Utilisation category - inductive load      | AC-14<br>DC-13                                                                                                             |
| Utilisation category - resistive load      | AC-12<br>DC-12                                                                                                             |

| Feature                        | Value                                                      |
|--------------------------------|------------------------------------------------------------|
| Electrical connection          | 4-pin<br>M12x1<br>Plugs<br>To EN 60947-5-2<br>Round design |
| Type of mounting               | With through-hole                                          |
| Mounting position              | optional                                                   |
| Pneumatic connection           | G1/4                                                       |
| Product weight                 | 194 g                                                      |
| Material housing               | Die-cast aluminium                                         |
| Material switch contact        | Silver                                                     |
| Setting range threshold value  | 1 bar ... 12 bar                                           |
| Degree of protection           | IP65                                                       |
| Corrosion resistance class CRC | 2 - Moderate corrosion stress                              |
| LABS (PWIS) conformity         | VDMA24364-B1/B2-L                                          |