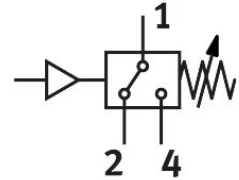


# Vacuum switch VPEV-1/8-M12

Part number: 192489

FESTO



[PDF General operating condition](#)

## Data sheet

| Feature                                      | Value  |
|--|--|
| Conforms to standard                         | EN 60947-5-1   |
| Symbol                                       | 00991472   |
| Certification                                | CCC<br>c UL us - Recognized (OL)   |
| CE marking (see declaration of conformity)   | As per EU low voltage directive  |
| UKCA marking (see declaration of conformity) | To UK instructions for electrical equipment  |
| Explosion prevention and protection          | Observe the information on the certificate<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  |
| Method of measurement                        | Pneumatic/electric pressure transducer   |
| Pressure measuring range                     | -0.1 MPa ... 0.16 MPa  |
| Pressure measuring range                     | -1 bar ... 1.6 bar   |
| Pressure measuring range                     | -14.5 psi ... 23.2 psi   |
| Operating pressure                           | -0.1 MPa ... 0.16 MPa  |
| Operating pressure                           | -1 bar ... 1.6 bar   |
| Operating medium                             | Compressed air as per ISO 8573-1:2010 [7:4:4]  |
| Information on operating and pilot media     | Operation with oil lubrication possible (required for further use)   |
| Temperature of medium                        | -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  |
| Minimum load current                         | 1 mA at 24 V<br>10 mA at 10 V<br>100 mA at 5V  |
| Utilization category for inductive load      | AC-14<br>DC-13   |
| Utilization category for ohmic load          | AC-12<br>DC-12   |

| Feature  | Value   |
|--|---|
| Electrical connection                          | 4-pin<br>M12x1<br>Plug<br>as per EN 60947-5-2<br>Round design |
| Type of mounting                               | With through-hole   |
| Mounting position                              | Any   |
| Pneumatic connection                           | G1/8  |
| Product weight                                 | 220 g   |
| Housing material                               | Wrought aluminum alloy  |
| Switching contact material                     | Silver  |
| Setting range threshold value                  | -0.95 bar ... -0.2 bar  |
| Setting range threshold value after conversion | 0.16 bar ... 1.6 bar  |
| Degree of protection                           | IP65  |
| Corrosion resistance class (CRC)               | 2 - Moderate corrosion stress                                 |
| LABS (PWIS) conformity                         | VDMA24364-B1/B2-L   |