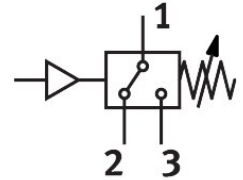


# Vacuum switch VPEV-1/8

Part number: 150261

**FESTO**



## Data sheet

| Feature                                      | Value                                                                                                            |
|----------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| Conforms to standard                         | EN 60947-5-1                                                                                                     |
| Certification                                | CCC                                                                                                              |
| 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<br>-1 bar...1.6 bar<br>-14.5 psi...23.2 psi                                                  |
| Operating pressure                           | -0.1 MPa...0.16 MPa<br>-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             | 250 V                                                                                                            |
| Max. switching output voltage DC             | 125 V                                                                                                            |
| Max. output current                          | 5000 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                                                                                                   |
| Electrical connection                        | Type A                                                                                                           |

| Feature                                        | Value                                          |
|------------------------------------------------|------------------------------------------------|
|                                                | Plug<br>As per DIN 43650<br>Rectangular design |
| Type of mounting                               | With through-hole                              |
| Mounting position                              | Any                                            |
| Pneumatic connection                           | G1/8                                           |
| Product weight                                 | 240 g                                          |
| Housing material                               | Wrought aluminum alloy                         |
| Switching contact material                     | Silver                                         |
| Switching status indication                    | Yellow LED                                     |
| 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                              |