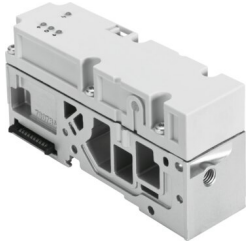


# Pressure sensor VMPA-FB-PS-3/5

Part number: 541086

FESTO



[PDF General operating condition](#)

## Data sheet

| Feature                                      | Value   |
|--|---|
| Symbol                                       | 00992805  |
| Certification                                | c UL us - recognized (OL)                           |
| CE marking (see declaration of conformity)   | As per EU EMC directive<br>As per EU RoHS directive |
| UKCA marking (see declaration of conformity) | To UK RoHS instructions                             |
| Note on materials                            | RoHS compliant                                      |
| Measured variable                            | Relative pressure                                   |
| Method of measurement                        | Piezoresistive pressure sensor with display         |
| Pressure measuring range                     | 0 MPa ... 1 MPa                                     |
| Pressure measuring range                     | 0 bar ... 10 bar                                    |
| Pressure measuring range                     | 0 psi ... 145 psi                                   |
| Pressure measuring range initial value       | 0 MPa   |
| Pressure measuring range initial value       | 0 bar   |
| Pressure measuring range initial value       | 0 psi   |
| Pressure measuring range end value           | 1 MPa   |
| Pressure measuring range end value           | 10 bar  |
| Pressure measuring range end value           | 145 psi   |
| Temperature of medium                        | -5 °C ... 50 °C                                     |
| Ambient temperature                          | -5 °C ... 50 °C                                     |
| Pressure resolution                          | 0.001 bar   |
| Accuracy in ± % FS                           | 2.5 %FS   |
| DC operating voltage range                   | 18 V ... 30 V                                       |
| Nominal operating voltage DC                 | 24 V  |
| Permissible voltage fluctuations             | +/- 25%   |
| Reverse polarity protection                  | For operating voltage                               |
| Electrical connection                        | Via sub-base  |
| Mounting position                            | Any   |
| Pneumatic connection                         | Sub-base  |
| Product weight                               | 200 g   |
| Housing material                             | Die-cast aluminum<br>PA-GF                          |
| Display type                                 | LED   |
| Displayable unit(s)                          | KPa<br>mbar<br>psi                                  |
| Switching status indication                  | LED   |

| <b>Feature</b>                   | <b>Value</b>             |
|----------------------------------|--------------------------|
| Setting range threshold value    | 0 % ... 100 %            |
| Setting range threshold value    | 0 bar ... 10 bar         |
| Setting range hysteresis         | 0 % ... 100 %            |
| Setting range hysteresis         | 0 bar ... 10 bar         |
| Degree of protection             | IP65                     |
| Corrosion resistance class (CRC) | 1 - Low corrosion stress |
| LABS (PWIS) conformity           | VDMA24364-B1/B2-L        |