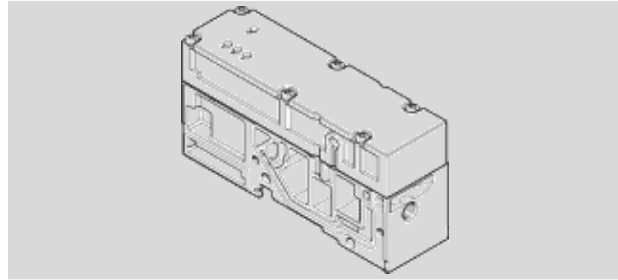


# Data sheet: Pressure sensor VMPA-FB-PS-1 – #541085

Function



| Feature                                 | values   |
|---|--|
| CE mark (see declaration of conformity) | to EU directive for EMC  |
| Materials note                          | Conforms to RoHS   |
| Measured variable                       | Relative pressure  |
| Measurement method                      | Piezoresistive pressure sensor with display                                    |
| Pressure measuring range                | 0 ... 10 bar   |
| Pressure measuring range, initial value | 0 bar  |
| Pressure measuring range, final value   | 10 bar   |
| Operating medium                        | Filtered compressed air, grade of filtration 40 µm, lubricated or unlubricated |
| Note on operating and pilot medium      | Lubricated operation possible (subsequently required for further operation)    |
| Medium temperature                      | -5 ... 50 °C   |
| Ambient temperature                     | -5 ... 50 °C   |
| Resolution pressure                     | 0.001 bar  |
| Accuracy, FS                            | 2.5 %  |
| Operating voltage range DC              | 18 ... 30 V  |
| Nominal operating voltage DC            | 24 V   |
| Permissible voltage fluctuation         | +/- 25 %   |
| Polarity protected                      | for operating voltage  |
| Electrical connection                   | via manifold block   |
| Assembly position                       | Any  |
| Pneumatic connection                    | Sub-base   |
| Product weight                          | 200 g  |
| Materials information, housing          | Aluminium die cast<br>PA-GF  |
| Type of display                         | LED  |
| Unit(s) that can be displayed           | kPa<br>mbar<br>psi   |
| Operating status display                | LED  |
| Threshold value setting range           | 0 ... 100 %  |
| Threshold setting range                 | 0 ... 10 bar   |
| Hysteresis setting range                | 0 ... 100 %  |
| Hysteresis adjustment range [bar]       | 0 ... 10 bar   |
| Protection class                        | IP65   |
| Corrosion resistance classification CRC | 1  |