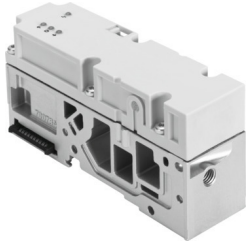


# Pressure sensor VMPA-FB-PS-P1

Part number: 541087

FESTO



[PDF](#) [General operating condition](#)

## Data sheet

Feature	Value
Symbol	00992805
Approval	c UL us - Recognized (OL)
CE mark (see declaration of conformity)	To EU EMC Directive In accordance with EU RoHS Directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions
Note on materials	RoHS-compliant
Measured variable	Relative pressure
Measurement method	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
Start value for pressure measuring range	0 MPa
Start value for pressure measuring range	0 bar
Start value for pressure measuring range	0 psi
End value for pressure measuring range	1 MPa
End value for pressure measuring range	10 bar
End value for pressure measuring range	145 psi
Media temperature	-5 °C ... 50 °C
Ambient temperature	-5 °C ... 50 °C
Pressure resolution	0.001 bar
Accuracy in ± % FS	2.5 %FS
Operational voltage range DC	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	optional
Pneumatic connection	M7
Product weight	200 g
Material housing	Die-cast aluminium PA-GF
Display type	LED
Displayable units	kPa mbar 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