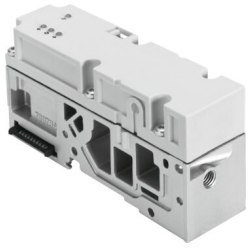
Pressure sensor
VMPA-FB-PS-1

Part number: 541085





Data sheet

Feature	Value
Certification	c UL us - recognized (OL)
CE marking (see declaration of conformity)	As per EU EMC directive As per 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
Method of measurement	Piezoresistive pressure sensor with display
Pressure measuring range	0 MPa...1 MPa 0 bar...10 bar 0 psi...145 psi
Pressure measuring range initial value	0 MPa 0 bar 0 psi
Pressure measuring range end value	1 MPa 10 bar 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 PA-GF
Display type	LED
Displayable unit(s)	KPa mbar

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