Pressure sensor
VMPA-FB-PS-1

Part number: 541085
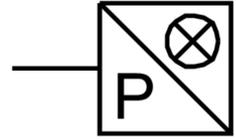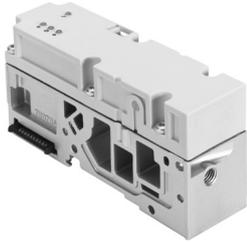
Data sheet

Feature	Value
Type code	VMPA
Symbol	00992805
Certification	c UL us - Recognized (OL)
CE marking (see declaration of conformity)	As per EU EMC directive
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 ºC ... 50 ºC
Ambient temperature	-5 ºC ... 50 ºC
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 psi
Switching status indication	LED
Setting range threshold value	0 % ... 100 %

Feature	Value
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