pressure sensor
VMPA-FB-PS-3/5
Part number: 541086

FESTO
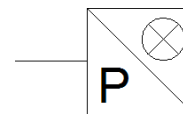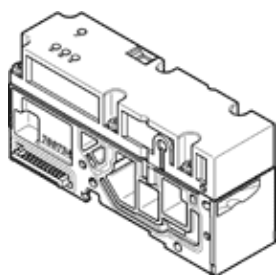
Data sheet

Feature	Value
Authorisation	c UL us - Recognized (OL)
CE mark (see declaration of conformity)	to EU directive for EMC
	in accordance with EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC
	To UK RoHS instructions
Materials note	Conforms to RoHS
Measured variable	Relative pressure
Measurement method	Piezoresistive pressure sensor with display
Pressure measurement range	0 ... 1 MPa
Pressure measuring range	0 ... 10 bar
Pressure measurement range	0 ... 145 psi
Pressure measuring range start value (MPa)	0 MPa
Pressure measuring range, initial value	0 bar
Pressure measuring range start value (psi)	0 psi
Pressure measuring range end value (MPa)	1 MPa
Pressure measuring range, final value	10 bar
Pressure measuring range end value (psi)	145 psi
Medium temperature	-5 ... 50 °C
Ambient temperature	-5 ... 50 °C
Resolution pressure	0.001 bar
Accuracy, FS	2.5 %FS
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
Material housing	Aluminium die cast
	PA-GF
Type of display	LED
Unit(s) that can be displayed	kPa
	mbar
	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 - Low corrosion stress
PWIS conformity	VDMA24364-B1/B2-L