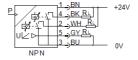
Pressure sensor SPAW-P50R-G12M-2NV-M12

Part number: 8022846



For measuring media pressures, pressure measuring range between 0 and +50 bar, pneumatic connection male thread G1/2.





Data sheet

Feature	Value
Authorization	RCM Mark
	c UL us - Listed (OL)
CE symbol (see declaration of conformity)	according to EU-EMV guideline
	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	Thin metal film pressure sensor
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)	5 MPa
Pressure measuring range, final value	50 bar
Pressure measuring range end value (psi)	725 psi
Overload pressure	10 MPa
•	100 bar
Overload pressure (psi)	1,450 psi
Operating medium	Compressed air in accordance with ISO8573-1:2010 [-:-:-]
	Fluid media
	Gaseous media
Medium temperature	-20 85 °C
Ambient temperature	0 80 °C
Accuracy, FS	1 %FS
Repetition accuracy in ± %FS	0.15 %FS
Switch output	2xNPN
Switching function	Freely programmable
Switching element function	Switchable
Max. output current	250 mA
Analog output	0 - 10 V
Rise time	3 ms
Short circuit strength	Yes
Operating voltage range DC	15 35 V
Polarity protected	for operating voltage
Electrical connection 1, connection type	Plug
Electrical connection 1, connection technology	M12x1, A-coded in accordance with EN 61076-2-101
Electrical connection 1, number of pins/wires	5
Electrical connection 1, type of mounting	Screw lock
Mounting type	with external (male) thread
Pneumatic connection	Male thread G1/2
Product weight	230 g
Material housing	ABS
-	High alloy steel, non-corrosive



Feature	Value	
Materials in contact with media	High alloy steel, non-corrosive	
Material sealing ring	NBR	
Type of display	4-place alphanumeric	
	LED display	
Unit(s) that can be displayed	MPa	
	bar	
	kPa	
	kg/cm ²	
	psi	
Operating status display	Red LED	
Setting options	Via display and buttons	
Protection against manipulation	PIN-Code	
Threshold value setting range	0.5 100 %	
Hysteresis setting range	0.5 99.5 %	
Protection class	IP65	
	IP67	
Corrosion resistance classification CRC	4 - Very high corrosion stress	
PWIS conformity	VDMA24364 zone III	