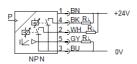
Pressure sensor SPAW-P100R-G14F-2NA-M12

Part number: 8022820

For measuring media pressures, pressure measuring range between 0 and +100 bar, pneumatic connection female thread G1/4.

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)	10 MPa
Pressure measuring range, final value	100 bar
Pressure measuring range end value (psi)	1,450 psi
Overload pressure	20 MPa
	200 bar
Overload pressure (psi)	2,900 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	4 - 20 mA
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 internal (female) thread
	with accessories
Pneumatic connection	Female thread 1/4
Product weight	230 g
Material housing	ABS



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Feature	Value	
	High alloy steel, non-corrosive	
Materials in contact with media	High alloy steel, non-corrosive	
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	