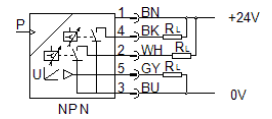# pressure sensor
SPAW-P50R-G12M-2NV-M12
Part number: 8022846

FESTO

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

Data sheet

Feature	Value
Authorisation	RCM Mark
	c UL us - Listed (OL)
CE mark (see declaration of conformity)	to EU directive for EMC
Materials note	Contains PWIS substances
	Conforms to RoHS
Measured variable	Relative pressure
Measurement method	Thin metal film pressure sensor
Pressure measuring range, initial value	0 bar
Pressure measuring range, final value	50 bar
Overload range	100 bar
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
Analogue 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	5-pin
	M12x1
	Plug
	to EN 60947-5-2
	Round design
Mounting type	with external (male) thread
Pneumatic connection	Male thread G1/2
Product weight	230 g
Material housing	ABS
	High alloy steel, non-corrosive
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

Feature	Value
	kg/cm²
	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