

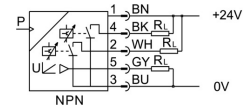
# Pressure sensor SPAW-P100R-G14F-2NV-M12

Part number: 8022838

FESTO



## Data sheet



Feature	Value
Type code	SPAW
Symbol	00995380
Certification	RCM compliance mark c UL us - Listed (OL)
CE marking (see declaration of conformity)	As per EU EMC directive
Note on materials	Contains paint-wetting impairment substances RoHS-compliant
Measured variable	Relative pressure
Method of measurement	Metal thin-film pressure sensor
Pressure measuring range initial value	0 bar
Pressure measuring range end value	100 bar
Max. overload pressure	200 bar
Operating medium	Compressed air as per ISO 8573-1:2010 [-:--] Liquid media Gaseous media
Temperature of medium	-20 °C ... 85 °C
Ambient temperature	0 °C ... 80 °C
Accuracy in ± % FS	1 %FS
Repetition accuracy in ± %FS	0.15 %FS
Switching 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 protection	yes
DC operating voltage range	15 V ... 35 V
Reverse polarity protection	for operating voltage
Electrical connection	5-pin M12x1 Plug as per EN 60947-5-2 Round design
Type of mounting	With internal thread With accessories
Pneumatic connection	Internal thread G1/4
Product weight	230 g

<b>Feature</b>	<b>Value</b>
Housing material	ABS High-alloy stainless steel
Materials in contact with the media	High-alloy stainless steel
Display type	4-character alphanumeric LED display
Displayable unit(s)	MPa bar kPa kg/cm <sup>2</sup> psi
Switching status indication	LED red
Setting options	Via display and pushbuttons
Protection against tampering	PIN code
Setting range threshold value	0.5 % ... 100 %
Setting range hysteresis	0.5 % ... 99.5 %
Degree of protection	IP65 IP67
Corrosion resistance class (CRC)	4 - Particularly high corrosion stress