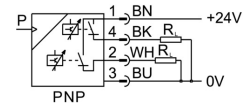


# Pressure sensor SPAW-B2R-G12M-2P-M12

Part number: 8022749

FESTO



## Data sheet

Feature	Value
Type code	SPAW
Symbol	00991165
Certification	c UL us - Listed (OL) RCM compliance mark
CE marking (see declaration of conformity)	As per EU EMC directive
Note on materials	RoHS-compliant Contains paint-wetting impairment substances
Measured variable	Relative pressure
Method of measurement	Piezoresistive pressure sensor
Pressure measuring range initial value	-1 bar
Pressure measuring range end value	1 bar
Max. overload pressure	2 bar
Operating medium	Gaseous media Compressed air as per ISO 8573-1:2010 [:-:-] Liquid 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	2xPNP
Switching function	Freely programmable
Switching element function	Switchable
Max. output current	250 mA
Rise time	3 ms
Short-circuit protection	yes
DC operating voltage range	15 V ... 35 V
Reverse polarity protection	for operating voltage
Electrical connection	4-pin Round design as per EN 60947-5-2 Plug M12x1
Type of mounting	With external thread
Mounting position	Any
Pneumatic connection	External thread G1/2
Product weight	230 g
Housing material	High-alloy stainless steel ABS

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