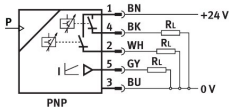
Pressure sensor
SPAW-P100R-G12M-2PA-M12

Part number: 8022793





Data sheet

Feature	Value
Certification	RCM compliance mark c UL us - Listed (OL)
CE marking (see declaration of conformity)	As per EU EMC directive As per EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions
Note on materials	RoHS compliant
Measured variable	Relative pressure
Method of measurement	Metal thin-film pressure sensor
Pressure measuring range initial value	0 MPa 0 bar 0 psi
Pressure measuring range end value	10 MPa 100 bar 1450 psi
Overload pressure	20 MPa 200 bar 2900 psi
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	2xPNP
Switching function	Freely programmable
Switching element function	Switchable
Max. output current	250 mA
Analog output	4 - 20 mA
Rise time	3 ms
Short-circuit protection	Yes
DC operating voltage range	15 V...35 V
Reverse polarity protection	For operating voltage

Feature	Value
Electrical connection 1, connection type	Plug
Electrical connection 1, connection technology	M12x1 A-coded as per EN 61076-2-101
Electrical connection 1, number of pins/wires	5
Electrical connection 1, type of mounting	Screw-type lock not rotatable Compatible with rotatable screw-type lock
Type of mounting	With external thread
Mounting position	Any
Pneumatic connection	External thread G1/2
Product weight	230 g
Housing material	ABS high-alloy stainless steel
Materials in contact with the media	high-alloy stainless steel
Sealing ring material	NBR
Display type	4-digit, alphanumeric LED indicator
Displayable unit(s)	MPa bar KPa kg/cm² psi
Switching status indication	Red LED
Setting options	Via display and keys
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
LABS (PWIS) conformity	VDMA24364 Zone III