Pressure sensor SPAW-P6R-G12M-2P-M12

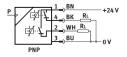
Part number: 8022752



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	Piezoresistive pressure sensor
Pressure measuring range initial value	0 MPa 0 bar 0 psi
Pressure measuring range end value	0.6 MPa 6 bar 87 psi
Overload pressure	1.2 MPa 12 bar 174 psi
Operating medium	Compressed air as per ISO 8573-1:2010 [-:-:-] Liquid media Gaseous media
Temperature of medium	-20 °C85 °C
Ambient temperature	0 °C80 ℃
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 V35 V
Reverse polarity protection	for operating voltage
Electrical connection 1, connection type	Plug

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Feature	Value	
Electrical connection 1, connection technology	M12x1 A-coded as per EN 61076-2-101	
Electrical connection 1, number of pins/wires	4	
Electrical connection 1, type of mounting	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-character alphanumeric LED display	
Displayable unit(s)	MPa bar kPa kg/cm ² 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	
LABS (PWIS) conformity	VDMA24364 zone III	