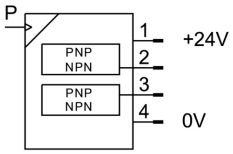
Pressure sensor
SPAN-B2R-R18M-PN-PN-L1

Part number: 8035548





Data sheet

Feature	Value
Type code	SPAN
Electrical connection 1, connection technology	Connection diagram L1J
Electrical connection for input 1, connection pattern	00995428
KC characters	KC EMC
Electrical connection 1, connection type	Plug
Electrical connection 1, number of pins/wires	4
Pressure measuring range initial value	-0.1 MPa
Pressure measuring range end value	14.5 psi
Overload pressure	0.5 MPa
Overload pressure	5 bar
Pressure measuring range end value	0.1 MPa
Overload pressure	72.5 psi
Pressure measuring range initial value	-14.5 psi
Symbol	00995686
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
Certificate issuing authority	UL E322346
Note on materials	RoHS-compliant
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	5 bar
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4] Inert gas
Information on operating and pilot media	Operation with oil lubrication possible
Temperature of medium	0 °C ... 50 °C
Ambient temperature	0 °C ... 50 °C
Accuracy in ± % FS	1.5 %FS
Repetition accuracy in ± %FS	0.3 %FS
Temperature co-efficient in ± %FS/K	0.05 %FS/K
Switching output	2 x PNP or 2 x NPN switchable
Switching function	Window comparator Threshold value comparator Auto difference monitoring

Feature	Value
Switching element function	N/C contact/N/O contact switchable
Max. output current	100 mA
Short-circuit protection	yes
DC operating voltage range	15 V ... 30 V
Reverse polarity protection	for all electrical connections
Type of mounting	Front panel mounting With thread With wall/surface bracket
Mounting position	Any
Pneumatic connection	External thread R1/8 Internal thread M5
Product weight	46 g
Housing material	PA-reinforced
Materials in contact with the media	FPM Brass, nickel-plated NBR PA-reinforced
Display type	Illuminated LCD
Displayable unit(s)	MPa bar inchH2O inchHg kPa kgf/cm² mbar mmHg psi
Setting options	Teach-in Via display and pushbuttons
Protection against tampering	PIN code
Setting range threshold value	0 % ... 100 %
Setting range hysteresis	0 % ... 90 %
Degree of protection	IP40
Corrosion resistance class (CRC)	2 - Moderate corrosion stress