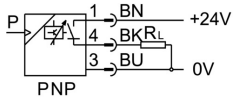
Pressure sensor
SDE5-V1-O-Q4-P-M8

Part number: 527457





Data sheet

Feature	Value
Symbol	00991164
Certification	RCM compliance mark c UL us - Recognized (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 bar
Pressure measuring range end value	-1 bar
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Information on operating and pilot media	Operation with oil lubrication possible
Temperature of medium	0 °C ... 50 °C
Ambient temperature	0 °C ... 50 °C
Repetition accuracy in ± %FS	0.3 %FS
Temperature co-efficient in ± %FS/K	0.05 %FS/K
Switching output	PNP
Switching function	Threshold value with fixed hysteresis
Switching element function	N/O contact
Max. output current	100 mA
Short-circuit protection	yes
DC operating voltage range	15 V ... 30 V
Reverse polarity protection	for all electrical connections
Electrical connection	3-pin M8x1 Plug as per EN 60947-5-2 Round design
Type of mounting	With accessories
Mounting position	Any
Pneumatic connection	QS-4
Product weight	19 g
Housing material	PA POM
Switching status indication	LED yellow
Setting range threshold value	0 % ... 100 %

Feature	Value
Degree of protection	IP40
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L