

Pressure sensor SDE5-

Part number: 529027

FESTO



Data sheet

Feature	Value
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	Differential pressure Relative pressure
Method of measurement	Piezoresistive pressure sensor
Pressure measuring range initial value	-1 bar
Pressure measuring range end value	10 bar
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Information on operating and pilot media	Lubricated operation 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	NPN PNP
Switching function	Window comparator Freely programmable Threshold value with fixed hysteresis Threshold value with variable hysteresis
Switching element function	NC contact N.O. contact Switchable
Max. output current	100 mA
Analog output	0 - 10 V
Output characteristic curve initial value	0 V
End value output characteristic curve	10 V
Precision analog output in ± %FS	3 %FS
Linearity error in ± % FS	0.3 %FS
Short-circuit protection	Yes

Feature	Value
DC operating voltage range	15 V...30 V
Reverse polarity protection	for all electrical connections
Electrical connection	Cable Plug
Cable length	2.5 m
Type of mounting	With accessories
Mounting position	Any
Pneumatic connection	QS-4 QS-6 QS-5/32 QS-1/4
Product weight	19 g...47 g
Housing material	PA POM
Ready status indication	LED
Degree of protection	IP40
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Cleanroom suitability, measured according to ISO 14644-14	Class 4 according to ISO 14644-1