

Pressure sensor SDE5-D10-O2-Q6E-P-M8

Part number: 542891

FESTO



[General operating condition](#)

Data sheet

Feature	Value
Symbol	00991164
Approval	RCM c UL us - Recognised (Oil)
CE mark (see declaration of conformity)	To EU EMC Directive In accordance with EU RoHS Directive
UKCA marking (see declaration of conformity)	To UK RoHS instructions
Note on materials	RoHS compliant
Measured variable	Relative pressure
Measurement method	Piezoresistive pressure sensor
Start value for pressure measuring range	0 bar
End value for pressure measuring range	10 bar
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible
Media temperature	0 °C ... 50 °C
Ambient temperature	0 °C ... 50 °C
Repetition accuracy in ± %FS	0.3 %FS
Temperature coefficient in ± %FS/K	0.05 %FS/K
Switching output	PNP
Switching function	Threshold value with variable hysteresis
Switching element function	N/O contact
Max. output current	100 mA
Short circuit current rating	Yes
Operational voltage range DC	15 V ... 30 V
Reverse polarity protection	For all electrical connections
Electrical connection	3-pin M8x1 Plug To EN 60947-5-2 Round design
Type of mounting	With accessories
Mounting position	Any
Pneumatic connection	QS-6
Product weight	19 g
Material housing	Process automation POM
Switching status indication	Yellow LED
Setting range threshold value	0 % ... 100 %
Degree of protection	IP40

Feature	Value
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