

# pressure sensor SDE5-D10-O2-Q6E-P-M8

Part number: 542891

★ Core product range

With M8 plug version.

FESTO



## Data sheet

Feature	Value
Authorisation	RCM Mark c UL us - Recognized (OL)
CE mark (see declaration of conformity)	to EU directive for EMC in accordance with EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions
Materials note	Conforms to RoHS
Measured variable	Relative pressure
Measurement method	Piezoresistive pressure sensor
Pressure measuring range, initial value	0 bar
Pressure measuring range, final value	10 bar
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible
Medium temperature	0 ... 50 °C
Ambient temperature	0 ... 50 °C
Repetition accuracy in ± %FS	0.3 %FS
Temperature co-efficient in ± %FS/K	0.05 %FS/K
Switch output	PNP
Switching function	Threshold value with variable hysteresis
Switching element function	Normally open contact
Max. output current	100 mA
Short circuit strength	Yes
Operating voltage range DC	15 ... 30 V
Polarity protected	for all electrical connections
Electrical connection	3-pin M8x1 Plug to EN 60947-5-2 Round design
Mounting type	with accessories
Assembly position	Any
Pneumatic connection	QS-6
Product weight	19 g
Material housing	PA POM
Operating status display	Yellow LED
Threshold value setting range	0 ... 100 %
Protection class	IP40
Corrosion resistance classification CRC	2 - Moderate corrosion stress
PWIS conformity	VDMA24364-B1/B2-L