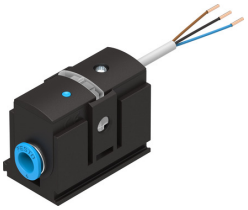
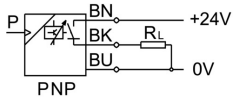
Pressure sensor
SDE5-D2-O-Q6E-P-K

Part number: 542888





Data sheet

Feature	Value
Type code	SDE5
KC characters	KC EMC
Symbol	00991887
Certification	RCM compliance mark c UL us - Recognized (OL)
CE marking (see declaration of conformity)	As per EU RoHS directive As per EU EMC directive
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	2 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	Cable as per EN 60947-5-2 3-wire
Cable length	2.5 m
Type of mounting	With accessories
Mounting position	Any
Pneumatic connection	QS-6
Product weight	47 g
Housing material	PA POM
Switching status indication	LED yellow
Threshold value setting range	0 % ... 100 %

Feature	Value
Degree of protection	IP40
Corrosion resistance class (CRC)	2 - Moderate corrosion stress