

pressure transmitter

SPTE-B2R-PC10-B-2.5K

Part number: 8025977

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
Certificate issuing department	UL E322346
Materials note	Conforms to RoHS
Measured variable	Relative pressure
Measurement method	Piezoresistive pressure sensor
Pressure measuring range start value (MPa)	-0.1 MPa
Pressure measuring range, initial value	-1 bar
Pressure measuring range start value (psi)	-14.5 psi
Pressure measuring range end value (MPa)	0.1 MPa
Pressure measuring range, final value	1 bar
Pressure measuring range end value (psi)	14.5 psi
Overload pressure	0.5 MPa 5 bar
Overload pressure (psi)	72.5 psi
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
Accuracy, FS	3 %FS
Repetition accuracy in ± %FS	0.3 %FS
Temperature co-efficient in ± %FS/K	0.05 %FS/K
Analogue output	1 - 5 V
Rise time	1 ms
Min. load resistance, voltage output	15 kOhm
Short circuit strength	for all electrical connections
Operating voltage range DC	10 ... 30 V
Polarity protected	for all electrical connections
Electrical connection	3-core Cable Open end
Cable length	2.5 m
Mounting type	Pin-type connection
Assembly position	Any
Pneumatic connection	Cartridge 10 mm
Product weight	35 g
Material housing	PA-reinforced
Material sealing ring	FPM NBR
Protection class	IP40
Corrosion resistance classification CRC	2 - Moderate corrosion stress
PWIS conformity	VDMA24364-B2-L
RSBP classification to CD-0033	F1a
Cleanroom class	ISO class 4