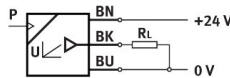


Pressure transmitter

SPTE-B2R-PC10-B-2.5K

Part number: 8025977

FESTO



Data sheet

Feature	Value
Approval	RCM trademark c UL us - Recognized (OL)
CE mark (see declaration of conformity)	To EU EMC Directive In accordance with EU RoHS Directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions
Certificate issuing authority	UL E322346
Note on materials	RoHS-compliant
Measured variable	Relative pressure
Measurement method	Piezoresistive pressure sensor
Start value for pressure measuring range	-0.1 MPa -1 bar -14.5 psi
End value for pressure measuring range	0.1 MPa 1 bar 14.5 psi
Overload pressure	0.5 MPa 5 bar 72.5 psi
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
Accuracy in ± % FS	3 %FS
Repetition accuracy in ± % FS	0.3 %FS
Temperature coefficient 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 current rating	For all electrical connections
Operational voltage range DC	10 V...30 V
Reverse polarity protection	For all electrical connections

Feature	Value
Electrical connection	3-wire Cable Open end
Cable length	2.5 m
Type of mounting	Pin-type connection
Mounting position	optional
Pneumatic connection	Cartridge 10 mm
Product weight	35 g
Material housing	PA-reinforced
Material sealing ring	FPM NBR
Degree of protection	IP40
Corrosion resistance class CRC	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B2-L
Suitability for the production of Li-ion batteries	Product corresponds to the internal product definition from Festo for use in battery production:Metals with more than 1% by mass of copper, zinc or nickel are excluded from use.The exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils
Cleanroom class	Class 4 according to ISO 14644-1