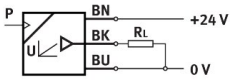
Pressure transmitter
SPTE-P10R-Q3-B-2.5K

Part number: 571481





Data sheet

Feature	Value
Certification	RCM compliance mark c UL us - recognized (OL)
CE marking (see declaration of conformity)	As per EU EMC directive As per 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
Method of measurement	Piezoresistive pressure sensor
Pressure measuring range initial value	0 MPa 0 bar 0 psi
Pressure measuring range end value	1 MPa 10 bar 145 psi
Overload pressure	1.5 MPa 15 bar 217.5 psi
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Information on operating and pilot media	Lubricated operation possible
Temperature of medium	0 °C...50 °C
Ambient temperature	0 °C...50 °C
Accuracy in ± % FS	3 %FS
Repetition accuracy in ± %FS	0.3 %FS
Temperature co-efficient in ± %FS/K	0.05 %FS/K
Analog output	1 - 5 V
Rise time	1 ms
Min. load resistance of voltage output	15 kOhm
Short-circuit protection	For all electrical connections
DC operating voltage range	10 V...30 V
Reverse polarity protection	for all electrical connections
Electrical connection	3-wire Cable

Feature	Value
	Open end
Cable length	2.5 m
Type of mounting	With accessories
Mounting position	Any
Pneumatic connection	QS-3
Product weight	35 g
Housing material	PA-reinforced
Sealing ring material	FPM NBR
Degree of protection	IP40
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B2-L
Cleanroom suitability, measured according to ISO 14644-14	Class 4 according to ISO 14644-1