XMLE001U1D43

vacu-pressure sensor 1 bar - 1/4" NPT - 24 V - NC



Main

Range of product	Telemecanique Pressure sensors XM	
Product or component type	Electronic pressure sensors	
Pressure sensor type	Electronic vacuum-pressure sensor	
Pressure rating	1 bar	
Pressure sensor name	XMLE	
Controlled fluid	Air (-1580 °C) Corrosive fluid (-1580 °C) Hydraulic oil (-1580 °C) Fresh water (080 °C)	
Fluid connection type	1/4" - 18 NPT (male)	
Type of output signal	Discrete	
Discrete output type	Solid state PNP, 1 NC	
Electrical connection	Male connector M12	
Adjustable range of switching point on rising pressure	0.071 bar	
Adjustable range of switching point on falling pressure	0.050.98 bar	
[Us] rated supply voltage	24 V DC, voltage limits: 1133 V	
Diameter	40 mm	

Complementary

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Enclosure material	Anodised aluminium
Type of installation	Control circuit
Operating position	Any position
Materials in contact with fluid	Stainless steel type AISI 303
Pressure switch type of operation	Regulation between 2 thresholds
Possible differential minimum at low setting	0.02 bar
Possible differential maximum at high setting	0.02 bar
Maximum permissible accidental pressure	2 bar
Maximum permissible pressure - per cycle	1 bar
Destruction pressure	3 bar
Drift of the sensitivity	+/- 0.015 % of measuring range/°C
Drift of the zero point	+/- 0.03 % of measuring range/°C
Protection type	Short-circuit
	Overload protection
	Reverse polarity
Scale type	Adjustable differential
Local display	Without
Mechanical durability	10000000 cycles
Measurement accuracy	+/- 0.3 % of the measuring range
Net weight	0.3 kg

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not interest of and is not to be used for determining suitability or flushed products for specific user applications. It is the documentation is not integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither TMSS Holding nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Environment

IP degree of protection	IP65
Vibration resistance	35 gn (f = 602000 Hz) 5 gn (f = 25200 Hz)
Protective treatment	TC
Shock resistance	50 gn
Standards	EN 50081 CE EN 50082
Product certifications	CSA[RETURN]UL
Ambient air temperature for operation	-1580 °C

Packing Units

Unit Type of Package 1	PCE	
Number of Units in Package 1	1	

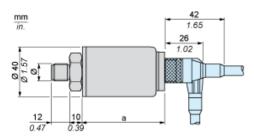
Contractual warranty

Warranty	18 months
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Product data sheet Dimensions Drawings

XMLE001U1D43

Dimensions



Ø: 1/2 NPT

Dimensions in mm

а	
65	

Dimensions in in.

a	
2.56	

Product data sheet Connections and Schema

XMLE001U1D43

Wiring Diagram

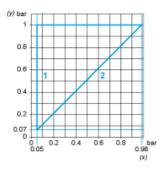


(BU) Blue (BN) Brown (WH) White (YG) Yellow Green

Product data sheet **Performance Curves**

XMLE001U1D43

Operating Curves



- Maximum differential
- 2: Minimum differential
- (y) Rising pressure
- (x) Falling pressure