

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 (-15...80 °C) Corrosive fluid (-15...80 °C) Hydraulic oil (-15...80 °C) Fresh water (0...80 °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	0.07...1 bar
Adjustable range of switching point on falling pressure	0.05...0.98 bar
[Us] rated supply voltage	24 V DC, voltage limits: 11...33 V
Diameter	40 mm

Complementary

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

Environment

IP degree of protection	IP65
Vibration resistance	35 gn (f = 60...2000 Hz) 5 gn (f = 25...200 Hz)
Protective treatment	TC
Shock resistance	50 gn
Standards	EN 50081 CE EN 50082
Product certifications	CSA[RETURN]UL
Ambient air temperature for operation	-15...80 °C

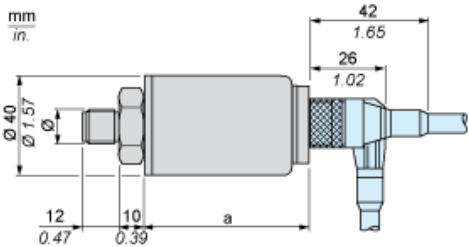
Packing Units

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

Contractual warranty

Warranty	18 months
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Dimensions



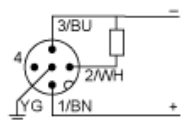
Ø : 1/2 NPT
Dimensions in mm

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65

Dimensions in in.

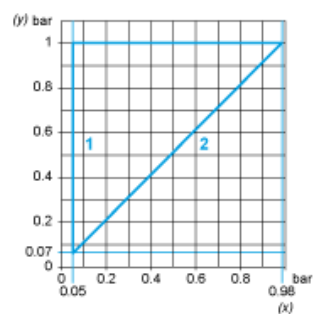
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Wiring Diagram



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

Operating Curves



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