

XMLK010B2C21TQ

Electronic pressure sensors, Pressure sensors XM, sensor XMLK, 0...10 bar, G 1/4 A, 4...20 mA, DIN, set of 25



Main

Range of product	Telemecanique Pressure sensors XM
Product or component type	Electronic pressure sensors
Pressure sensor type	Pressure transmitter
Pressure sensor name	XMLK
Electrical circuit type	Control circuit
Pressure rating	10 bar
Local display	Without
Controlled fluid	Air (0...80 °C) Fresh water (0...80 °C)
Fluid connection type	G 1/4 A (male) conforming to DIN 3852-E
Electrical connection	1 male connector EN 175301-803-A (ex DIN43650) 4 pins
[Us] rated supply voltage	24 V DC SELV (voltage limits: 8...33 V)
Current consumption	< 20 mA
Type of output signal	Analogue
Analogue output function	4...20 mA, 2-wire
Quantity per set	Set of 25
Type of packing	Group

Complementary

Pressure setting range	0...10 bar
Maximum permissible accidental pressure	20 bar
Destruction pressure	30 bar
Materials in contact with fluid	Ceramic Nitrile (NBR) Stainless steel type AISI 303
Operating position	Any position
Protection type	Load short-circuit Reverse polarity
Electromagnetic compatibility	Electrostatic discharge immunity test conforming to IEC 61000-4-2 8 kV air, 6 kV contact Susceptibility to electromagnetic fields conforming to IEC 61000-4-3 10 V/m 80...1000 MHz Electrical fast transient/burst immunity test conforming to IEC 61000-4-4 2 kV 1.2/50 µs shock waves immunity test conforming to IEC 61000-4-5 500 V 12 Ohm, 1 kV 42 Ohm Radiated RF fields conforming to IEC 61000-4-6 10 V 0.15...80 MHz Immunity to magnetic fields conforming to IEC 61000-4-8 30 A/m 50 Hz
[Uimp] rated impulse withstand voltage	0.5 kV
Response time on output	< 5 ms
Measurement accuracy	+/- 1 % of the measuring range
Resolution	0.1 % of the measuring range
Drift of the sensitivity	+/- 0.04 % of measuring range/°K
Drift of the zero point	+/- 0.03 % of measuring range/°K
Long term stability	+/- 1 % of the measuring range
Mechanical durability	10000000 cycles
Net weight	0.11 kg

Diameter	36 mm
Length	67.5 mm

Environment

Standards	IEC 61326-2-3 CE
Product certifications	UL 508[RETURN]RCM[RETURN]CSA C22.2 No 14
Protective treatment	TC
Ambient air temperature for operation	0...80 °C
Ambient air temperature for storage	-25...80 °C
Vibration resistance	20 gn (f = 9...2000 Hz) conforming to IEC 60068-2-6
Shock resistance	25 gn for 11 ms conforming to IEC 60068-2-27
IP degree of protection	IP65 conforming to IEC 60529
NEMA degree of protection	NEMA 4

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	11.000 cm
Package 1 Width	20.000 cm
Package 1 Length	20.000 cm
Package 1 Weight	110.000 g
Unit Type of Package 2	BB1
Number of Units in Package 2	25
Package 2 Height	11.000 cm
Package 2 Width	20.000 cm
Package 2 Length	20.000 cm
Package 2 Weight	2.750 kg
Unit Type of Package 3	S02
Number of Units in Package 3	50
Package 3 Height	15.000 cm
Package 3 Width	30.000 cm
Package 3 Length	40.000 cm
Package 3 Weight	5.955 kg

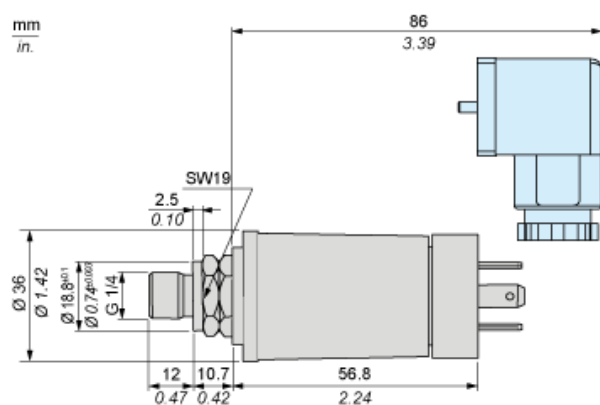
Offer Sustainability

California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Diisodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
For all Reach Rohs enquiries contact us at	sustainability@tesensors.com

Contractual warranty

Warranty	18 months
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Dimensions



Wiring Diagram

2-Wire Technique (4-20 mA)



(a) I_{out}

Output Curves

