

XMLK300P2D23

Electronic pressure sensors, Pressure sensors XM, sensor XMLK, 0...300 PSI, 1/4NPT, 4...20 mA, M12, set of 1



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	300 psi (2068.43 kPa)
Local display	Without
Controlled fluid	Air 32...176 °F (0...80 °C)) Fresh water 32...176 °F (0...80 °C))
Fluid connection type	1/4" - 18 NPT (male)
Electrical connection	1 male connector M12 4 pins
[Us] rated supply voltage	24 V DC SELV 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 1
Type of Packing	Individual

Complementary

Pressure setting range	0...300 psi (0.00...2068.43 kPa)
Maximum permissible accidental pressure	600 psi (4136.85 kPa)
Destruction pressure	900 psi (6205.28 kPa)
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 IEC 61000-4-2 8 kV air, 6 kV contact Susceptibility to electromagnetic fields IEC 61000-4-3 10 V/m 80...1000 MHz Electrical fast transient/burst immunity test IEC 61000-4-4 2 kV 1.2/50 µs shock waves immunity test IEC 61000-4-5 500 V 12 Ohm, 1 kV 42 Ohm Radiated RF fields IEC 61000-4-6 10 V 0.15...80 MHz Immunity to magnetic fields 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	0.24 lb(US) (0.11 kg)
Diameter	1.42 in (36 mm)
Length	2.58 in (65.5 mm)
Scale type	Fixed differential

Environment

Standards	CE IEC 61326-2-3
Product Certifications	UL 508[RETURN]CSA C22.2 No 14[RETURN]RCM
Protective treatment	TC
Ambient air temperature for operation	32...176 °F (0...80 °C)
Ambient Air Temperature for Storage	-13...176 °F (-25...80 °C)
Vibration resistance	20 gn 9...2000 Hz) IEC 60068-2-6
Shock resistance	25 gn 11 ms IEC 60068-2-27
IP degree of protection	IP65 conforming to IEC 60529
NEMA Degree of Protection	NEMA 4

Ordering and shipping details

Category	US10DS221561
Discount Schedule	0DS2
GTIN	3389119049160
Returnability	Yes
Country of origin	CH

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2.64 in (6.700 cm)
Package 1 Width	1.65 in (4.200 cm)
Package 1 Length	3.78 in (9.600 cm)
Package 1 Weight	4.41 oz (125.000 g)
Unit Type of Package 2	S01
Number of Units in Package 2	24
Package 2 Height	5.91 in (15 cm)
Package 2 Width	5.91 in (15 cm)
Package 2 Length	15.75 in (40 cm)
Package 2 Weight	7.09 lb(US) (3.217 kg)

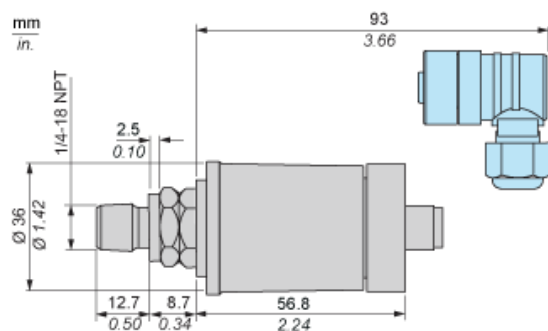
Offer Sustainability

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 Di-isodecyl 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

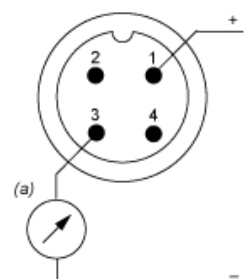
Warranty	18 months
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Dimensions



Wiring Diagram

2-Wire Technique (4-20 mA)



(a) I out

Output Curves

