

XMLP300PD23

pressure transmitter - XMLP - 300psi -
1/4"18NPT - 4..20mA - M12 - set 1



Main

Range of product	OsiSense XM
Product or component type	Electronic pressure sensors
Pressure sensor type	Pressure transmitter
Pressure sensor name	XMLP
Electrical circuit type	Control circuit
Pressure sensor size	300 psi
Local display	Without
Controlled fluid	Refrigeration fluid -30...120 °C Gas -30...120 °C Hydraulic oil -30...120 °C Air -30...120 °C Fresh water 0...120 °C
Fluid connection type	1/4" - 18 NPT (male)
Electrical connection	1 male connector M12 4 pins
[Us] rated supply voltage	12...24 V DC, voltage limits: 8...30 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
Maximum permissible accidental pressure	600 psi
Destruction pressure	900 psi
Materials in contact with fluid	Stainless steel type 17-4PH Stainless steel type AISI 304
Operating position	Any position
Protection type	Load short-circuit Reverse polarity
Electromagnetic compatibility	Electrostatic discharge immunity test conforming to EN/IEC 61000-4-2 - test level 8 kV air, 4 kV contact Radiated RF fields conforming to EN/IEC 61000-4-6 - test level 10 V (f = 0.15...80 MHz) 1.2/50 µs shock waves immunity test conforming to EN/IEC 61000-4-5 - test level 500 V 12 Ohm, 1 kV 42 Ohm Electrical fast transient/burst immunity test conforming to EN/IEC 61000-4-4 - test level 2 kV Susceptibility to electromagnetic fields conforming to EN/IEC 61000-4-3 - test level 10 V/m (f = 80...1000 MHz)
[Uimp] rated impulse withstand voltage	0.5 kV
Response time on output	< 5 ms
Measurement accuracy	+/- 0.5 % of the measuring range
Repeat accuracy	+/- 0.1 % of the measuring range
Mechanical durability	>= 10000000 cycles
Product weight	0.05 kg
Diameter	30 mm
Length	26 mm

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Environment

Standards	CE EN 61326 + A1 EN/IEC 60947-1
Product certifications	CULus
Protective treatment	TC
Ambient air temperature for operation	-30...100 °C
Ambient air temperature for storage	-30...100 °C
Vibration resistance	20 gn (f = 10...2000 Hz) conforming to EN/IEC 60068-2-64
Shock resistance	25 gn for 11 ms conforming to EN/IEC 60068-2-27
IP degree of protection	IP69K conforming to DIN 40050 IP67 conforming to EN/IEC 60529 IP65 conforming to EN/IEC 60529

Contractual warranty

Period	18 months
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