

## Main

Range of product	OsiSense XM
Product or component type	Electronic pressure sensors
Product specific application	-
Pressure sensor name	XMLG
Electrical circuit type	Control circuit
Pressure sensor size	16 bar
Fluid connection type	G 1/4A (male) conforming to ISO 228
Electrical connection	3 pins, 1 male connector M12
Us rated supply voltage	12/24 V DC, voltage limits: 8 - 33 V
Type of output signal	Analogue
Analogue output function	4...20 mA, 2 wires
Controlled fluid	Air (-15 - 125 °C) Corrosive fluid (-15 - 125 °C) Fresh water (-15 - 125 °C) Hydraulic oil (-15 - 125 °C) Sea water (-15 - 125 °C)
Quantity per set	Set of 1
Type of packing	Individual
Diameter	22.8 mm

## Complementary

Pressure sensor type	Pressure transmitter
Local display	Without
Pressure setting range	0...16 bar
Max perm accidental pressure	36 bar
Destruction pressure	40 bar
Current consumption	< 20 mA
Materials in contact wth fluid	Ceramic FPM PPS Stainless steel type AISI 303
Operating position	Any position
Protection type	Load short-circuit Reverse polarity
Surge withstand	1 kV (42 Ohm) conforming to EN 61000-4-5 500 kV (12 Ohm) conforming to EN 61000-4-5
Uimp rated imp wstd voltage	0.5 kV
Response time on output	< 2 ms
Drift of the sensitivity	< +/- 0.015 % of msrg range/°C
Drift of the zero point	< +/- 0.015 % of msrg range/°C
Measurement accuracy	< +/- 0.3 % of the msrg range
Repeat accuracy	+/- 0.1 %
Mechanical durability	>= 10000000 cycles
Product weight	0.095 kg
Length	56 mm
CAD overall depth	23 mm
CAD overall height	90 mm
CAD overall width	23 mm

## Environment

Standards	CE EN 50081-1 EN 50082-2 EN 61000-6-2 EN/IEC 60947-1 EN/IEC 60947-5-1
Product certifications	CSA UL
Protective treatment	TC
Ambient air temp for op	-15...85 °C
Ambient air temp for storage	-40...85 °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
Resist electrostatic dischr	15 kV (in air) conforming to EN 61000-4-2 8 kV (on contact) conforming to EN 61000-4-2
Resist to electromagn fields	200 V/m (80 - 1000 Hz) conforming to EN 61000-4-3
Resistance to fast transients	4 kV conforming to EN 61000-4-4
Resist to conductd disturbs	30 V (0.15 - 80 Hz) conforming to EN 61000-4-6
Resistance to magnetic fields	30 A/m (50 Hz) conforming to EN 61000-4-8
IP degree of protection	IP66 conforming to EN/IEC 60529 IP67 conforming to EN/IEC 60529
NEMA degree of protection	NEMA 4