

# XMLP001GC2BF

pressure transmitter 1bar - 4..20mA -  
7/16-20UNF female - FPM - DIN



## 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	1 bar
Local display	Without
Controlled fluid	Fresh water 0...125 °C Air -15...125 °C Gas -15...125 °C Hydraulic oil -15...125 °C
Fluid connection type	SAE 7/16-20UNF (female)
Electrical connection	1 male connector EN 175301-803-A (ex DIN43650) 3 pins
[Us] rated supply voltage	12...24 V DC SELV, voltage limits: 7...33 V
Current consumption	< 23 mA
Type of output signal	Analogue
Analogue output function	4...20 mA, 2-wire
Quantity per set	Set of 1
Type of packing	Individual

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## Complementary

Pressure setting range	0...1 bar
Maximum permissible accidental pressure	3 bar
Destruction pressure	5 bar
Materials in contact with fluid	Ceramic Stainless steel AISI 316L Fluorocarbon FPM
Operating position	Any position
Protection type	Load short-circuit Reverse polarity
Electromagnetic compatibility	Susceptibility to electromagnetic fields conforming to EN/IEC 61000-4-3 - test level 10 V/m (f = 80...1000 MHz) Radiated RF fields conforming to EN/IEC 61000-4-6 - test level 10 V (f = 0.15...80 MHz) Electrostatic discharge immunity test conforming to EN/IEC 61000-4-2 - test level 8 kV air, 4 kV contact 1.2/50 $\mu$ s shock waves immunity test conforming to EN/IEC 61000-4-5 - test level 1 kV (f = 42 Ohm) Immunity to magnetic fields conforming to EN/IEC 61000-4-8 - test level 100 A/m (f = 50 Hz) Electrical fast transient/burst immunity test conforming to EN/IEC 61000-4-4 - test level 4 kV
[Uimp] rated impulse withstand voltage	0.5 kV
Response time on output	$\leq$ 2 ms for 10...90 % of full scale
Measurement accuracy	$\pm$ 0.5 % of the measuring range
Resolution	0.1 % of the measuring range
Drift of the sensitivity	$\pm$ 0.02 % of measuring range/ $^{\circ}$ K
Drift of the zero point	$\pm$ 0.02 % of measuring range/ $^{\circ}$ K
Long term stability	$\pm$ 0.25 % of the measuring range
Mechanical durability	$\geq$ 10000000 cycles
Product weight	0.095 kg
Diameter	26 mm
Length	58 mm

## Environment

Standards	EN/IEC 61326-2-3 NSF ANSI 61
Product certifications	CE CULus RCM EAC
Ambient air temperature for operation	-30...85 $^{\circ}$ C
Ambient air temperature for storage	-50...100 $^{\circ}$ C
Vibration resistance	20 gn (f = 10...2000 Hz) conforming to EN/IEC 60068-2-6
Shock resistance	100 gn for 11 ms conforming to EN/IEC 60068-2-27
IP degree of protection	IP65 conforming to EN/IEC 60529

## Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1541 - <a href="#">Schneider Electric declaration of conformity</a>
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Need no specific recycling operations