

Product datasheet

Specifications



Electronic pressure sensors,
Pressure sensors XM, transmitter,
XMLP, 100 bar, G1/4 A male, 4...20
mA, M12, set of 1

XMLP100BD21F

EAN Code : 3389119639460

Main

Range of product	Telemecanique Pressure sensors XM
Product or component type	Electronic pressure sensors
Pressure sensor type	Pressure transmitter
Pressure sensor name	XMLP
Electrical circuit type	Control circuit
Pressure rating	100 bar
Local display	Without
Controlled fluid	Air (-30...135 °C) Fresh water (0...135 °C) Hydraulic oil (-30...135 °C) Gas (-30...135 °C) Refrigeration fluid (-30...135 °C)
Fluid connection type	G 1/4A (male) conforming to DIN 3852-E
Electrical connection	1 male connector M12 4 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

Complementary

Pressure setting range	0...100 bar
Maximum permissible accidental pressure	300 bar
Destruction pressure	600 bar
Materials in contact with fluid	Stainless steel AISI 316L Fluorocarbon FPM
Operating position	Any position
Protection type	Load short-circuit Reverse polarity
Electromagnetic compatibility	Electrostatic discharge immunity test conforming to EN/IEC 61000-4-2 8 kV air, 4 kV contact 1.2/50 µs shock waves immunity test conforming to EN/IEC 61000-4-5 1 kV 42 Ohm Immunity to magnetic fields conforming to EN/IEC 61000-4-8 100 A/m 50 Hz

Electrical fast transient/burst immunity test conforming to EN/IEC 61000-4-4 4 kV Susceptibility to electromagnetic fields conforming to EN/IEC 61000-4-3 10 V/m 80...3000 MHz Radiated RF fields conforming to EN/IEC 61000-4-6 10 V 0.01...80 MHz	
[Uimp] rated impulse withstand voltage	0.5 kV
Response time on output	<= 2 ms 10...90 % of full scale
Measurement accuracy	+/- 0.5 % of the measuring range
Resolution	0.1 % of the measuring range
Drift of the sensitivity	+/- 0.02 % of measuring range/°K
Drift of the zero point	+/- 0.02 % of measuring range/°K
Mechanical durability	10000000 cycles
Net weight	0.094 kg
Diameter	26 mm
Length	38.1 mm

Environment

Standards	EN/IEC 61326-2-3 NSF ANSI 61
Product certifications	EAC cULus CE RCM
Protective treatment	TC
Ambient air temperature for operation	-30...85 °C
Ambient air temperature for storage	-50...100 °C
Vibration resistance	20 gn (f = 15...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 IP67 conforming to EN/IEC 60529 IP69K conforming to EN/IEC 60529

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.2 cm
Package 1 Width	4.7 cm
Package 1 Length	8.7 cm
Package 1 Weight	94.0 g
Unit Type of Package 2	S01
Number of Units in Package 2	24
Package 2 Height	15.0 cm
Package 2 Width	15.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	2.527 kg

Offer Sustainability

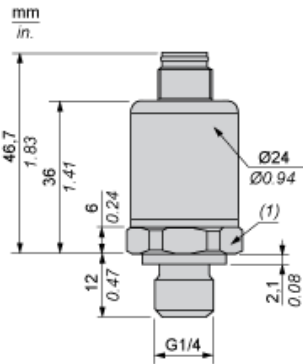
Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration

EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile

Contractual warranty

Warranty	18 months
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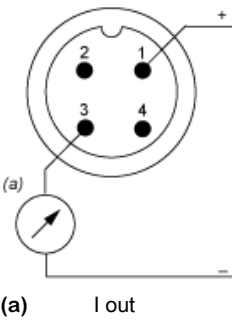
Dimensions



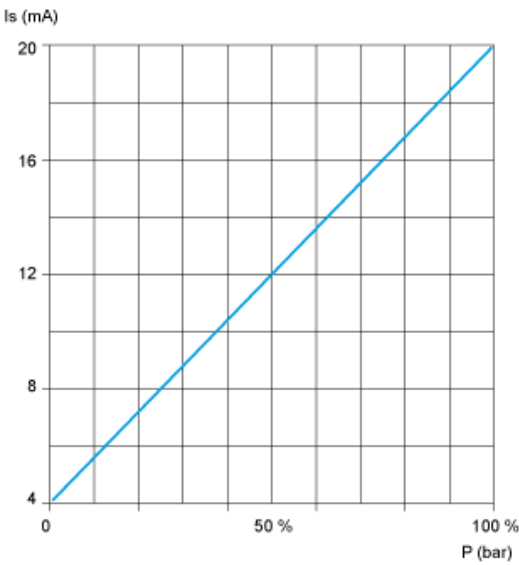
(1) SW24 tightening torque ≤ 25 N.m / 221 lb-in

Wiring Diagram

2-Wire Technique (4-20 mA)



Curves



Recommended replacement(s)