

XMLP100BD21V

pressure transmitter - XMLP - 100bars - G1/4A
male - 4..20mA - 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	XMLP
Electrical circuit type	Control circuit
Pressure rating	100 bar
Local display	Without
Controlled fluid	Air (-20...120 °C) Fresh water (0...120 °C) Hydraulic oil (-20...120 °C) Gas (-20...120 °C) Refrigeration fluid (-20...120 °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: 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...100 bar
Maximum permissible accidental pressure	200 bar
Destruction pressure	600 bar
Materials in contact with fluid	Stainless steel type AISI 304 Stainless steel type 17-4PH Fluorocarbon FKM (Viton)
Operating position	Any position
Protection type	Reverse polarity Load short-circuit
Electromagnetic compatibility	Susceptibility to electromagnetic fields conforming to IEC 61000-4-3 10 V/m 80...1000 MHz Electrical fast transient/burst immunity test conforming to IEC 61000-4-4 2 kV 1.2/50 µs shock waves immunity test conforming to IEC 61000-4-5 500 V 12 Ohm, 1 kV 42 Ohm Radiated RF fields conforming to IEC 61000-4-6 10 V 0.15...80 MHz Electrostatic discharge immunity test conforming to IEC 61000-4-2 8 kV air, 4 kV contact
[Uimp] rated impulse withstand voltage	0.5 kV
Response time on output	< 5 ms 92 % of full scale
Measurement accuracy	+/- 0.5 % of the measuring range
Resolution	Infinity
Drift of the sensitivity	+/- 0.02 % of measuring range/°K
Drift of the zero point	+/- 0.02 % of measuring range/°K
Long term stability	+/- 0.2 % of the measuring range
Mechanical durability	10000000 cycles
Net weight	0.05 kg

Diameter	30 mm
Length	26 mm

Environment

Standards	CE EN/IEC 61326-1
Product certifications	RCM[RETURN]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 IEC 60068-2-27
IP degree of protection	IP65 conforming to IEC 60529 IP67 conforming to IEC 60529 IP69K conforming to DIN 40050

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1