

Product Datasheet

Characteristic

XMLP015RD23F

pressure transmitter 15psi - 4..20mA -
1/4-18NPT male - FPM - M12



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	15 psi
local display	Without
controlled fluid	Fresh water 0...125 °C 5...257 °F (-15...125 °C) 5...257 °F (-15...125 °C) 5...257 °F (-15...125 °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 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...15 psi
maximum permissible accidental pressure	44 psi
destruction pressure	73 psi
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	1.2/50 µs 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 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
[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
accuracy	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
repeat accuracy	+/- 0.25 % of the measuring range
mechanical durability	>= 10000000 cycles
product weight	0.17 lb(US) (0.075 kg)
diameter	1.02 in (26 mm)
length	1.19 in (30.2 mm)

Environment

standards	EN/IEC 61326-2-3 NSF ANSI 61
product certifications	CE cULus RCM EAC
ambient air temperature for operation	-22...185 °F (-30...85 °C)
ambient air temperature for storage	-58...212 °F (-50...100 °C)
vibration resistance	20 gn (f = 10...2000 Hz) conforming to EN/IEC 60068-2-6
shock resistance	100 gn 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 DIN 40050

Offer Sustainability

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