

Product data sheet

Specifications



Electronic pressure sensors,
Pressure sensors XM, sensor
XMLG, (-1)..0 bar, G 1/4 A (male),
24 V, 4...20 mA

XMLGM01D21

Main

Range Of Product	Telemecanique Pressure sensors XM
Product Or Component Type	Electronic pressure sensors
Pressure Sensor Type	Pressure transmitter
Pressure Sensor Name	XMLG
Pressure Rating	-1 bar
Fluid Connection Type	G 1/4A (male) conforming to DIN 3852-E
Controlled Fluid	Air (-15...125 °C) Corrosive fluid (-15...125 °C) Hydraulic oil (-15...125 °C) Fresh water (0...125 °C)
Type Of Output Signal	Analogue
Analogue Output Function	4...20 mA, 2 wires
Electrical Connection	1 male connector M12, 3 pins
[Us] Rated Supply Voltage	12 V DC (voltage limits: 8...33 V) 24 V DC (voltage limits: 8...33 V)
Quantity Per Set	Set of 1
Type Of Packing	Individual
Diameter	22.8 mm

Complementary

Pressure Setting Range	-1...0 bar
Maximum Permissible Accidental Pressure	2.7 bar
Destruction Pressure	3 bar
Local Display	Without
Electrical Circuit Type	Control circuit
Current Consumption	< 20 mA
Materials In Contact With Fluid	Stainless steel type AISI 303 FPM (Viton) Ceramic
Operating Position	Any position
Protection Type	Load short-circuit Reverse polarity
Surge Withstand	1 kV 42 Ohm conforming to IEC 61000-4-5 500 kV 12 Ohm conforming to IEC 61000-4-5
[Uimp] Rated Impulse Withstand Voltage	0.5 kV

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Response Time On Output	< 2 ms
Drift Of The Sensitivity	+/- 0.015 % of measuring range/°C
Drift Of The Zero Point	+/- 0.015 % of measuring range/°C
Measurement Accuracy	+/- 0.3 % of the measuring range
Repeat Accuracy	+/- 0.1 % of the measuring range
Mechanical Durability	10000000 cycles
Net Weight	0.095 kg
Height	58.1 mm
Length	48.5 mm
Scale Type	Fixed differential

Environment

Standards	CE IEC 61326-2-3
Product Certifications	UL 508 CSA C22.2 No 14
Protective Treatment	TC
Ambient Air Temperature For Operation	-15...85 °C
Ambient Air Temperature For Storage	-40...85 °C
Vibration Resistance	20 gn (f= 9...2000 Hz) conforming to IEC 60028-2-6
Shock Resistance	25 gn for 11 ms conforming to IEC 60068-2-27
Resistance To Electrostatic Discharge	15 kV in air conforming to IEC 61000-4-2 8 kV on contact conforming to IEC 61000-4-2
Resistance To Electromagnetic Fields	200 V/m 80...1000 Hz conforming to IEC 61000-4-3
Resistance To Fast Transients	4 kV conforming to IEC 61000-4-4
Resistance To Conducted Disturbances	30 V (0.15...80 Hz) conforming to IEC 61000-4-6
Resistance To Magnetic Fields	30 A/m 50 Hz conforming to IEC 61000-4-8
Ip Degree Of Protection	IP66 conforming to IEC 60529 IP67 conforming to IEC 60529
Nema Degree Of Protection	NEMA 4

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	4.800 cm
Package 1 Width	10.600 cm
Package 1 Length	13.600 cm
Package 1 Weight	134.000 g
Unit Type Of Package 2	S02
Number Of Units In Package 2	12
Package 2 Height	15 cm
Package 2 Width	30 cm

Package 2 Length	40 cm
Package 2 Weight	1.929 kg

Contractual warranty

Warranty	18 months
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Sustainability



Green Premium™ label is Schneider Electric’s commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

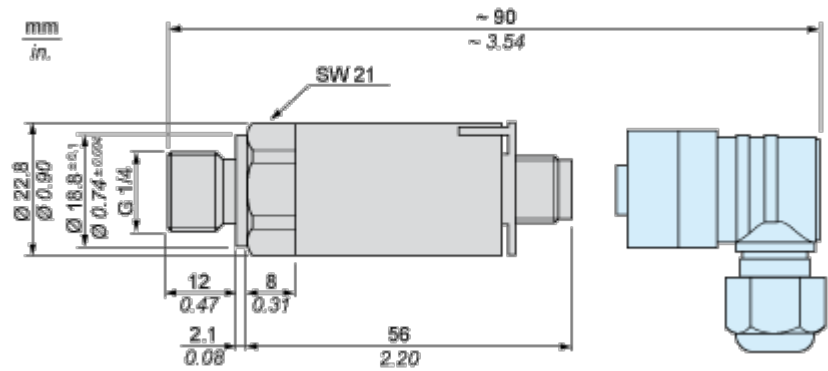
[Guide to assess a product’s sustainability >](#)

Well-being performance

 Mercury Free	
 Rohs Exemption Information	Yes
Reach Regulation	REACH Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
California Proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Diisodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Dimensions Drawings

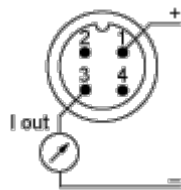
Dimensions



Connections and Schema

Wiring Diagram

2-Wire Technique (4-20 mA)



Performance Curves

Output Curves

