Product data sheet
Characteristics

XMLG100D23TQ
Electronic pressure sensors, Pressure sensors XM, sensor XMLG, 0...100 bars, 1/4" NPT male, 24 V, 4...20 mA, set of 25



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	1450.38 psi (100 bar)
Fluid connection type	1/4" - 18 NPT (male)
Controlled fluid	Air 5…257 °F (-15…125 °C)) Corrosive fluid 5…257 °F (-15…125 °C)) Hydraulic oil 5…257 °F (-15…125 °C)) Fresh water 32…257 °F (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 8…33 V) 24 V DC 8…33 V)
Quantity per Set	Set of 25
Type of Packing	Group
Diameter	0.90 in (22.8 mm)

Complementary

Pressure setting range	0.00…1450.38 psi (0…100 bar)
Maximum permissible accidental pressure	3263.35 psi (225 bar)
Destruction pressure	3625.94 psi (250 bar)
Local display	Without
Electrical circuit type	Control circuit
Current Consumption	< 20 mA
Materials in contact with fluid	Stainless steel type AISI 303 PPS FPM (Viton) Ceramic
Operating position	Any position
Protection Type	Load short-circuit Reverse polarity
Surge withstand	1 KV 42 Ohm EN/IEC 61000-4-5 500 kV 12 Ohm EN/IEC 61000-4-5
[Uimp] rated impulse withstand voltage	0.5 kV
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	0.21 lb(US) (0.095 kg)
Height	2.29 in (58.1 mm)
Length	1.91 in (48.5 mm)

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.
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.
It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof.
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Environment

Standards	EN/IEC 61326-2-3 CE
Product Certifications	CSA C22.2 No 14 EAC UL 508
Protective treatment	TC
Ambient Air Temperature for Operation	5…185 °F (-15…85 °C)
Ambient Air Temperature for Storage	-40…185 °F (-40…85 °C)
Vibration resistance	20 gn 9…2000 Hz)EN/IEC 60028-2-6
Shock resistance	25 gn 11 ms EN/IEC 60068-2-27
Resistance to electrostatic discharge	15 KV in air EN/IEC 61000-4-2 8 kV on contact EN/IEC 61000-4-2
Resistance to electromagnetic fields	182.88 V/m (200 V/m) 80…1000 Hz EN/IEC 61000-4-3
Resistance to fast transients	4 kV EN/IEC 61000-4-4
Resistance to conducted disturbances	30 V 0.15…80 Hz)EN/IEC 61000-4-6
Resistance to magnetic fields	98.43 A/m (30 A/m) 50 Hz EN/IEC 61000-4-8
IP degree of protection	IP66 conforming to EN/IEC 60529 IP67 conforming to EN/IEC 60529
NEMA Degree of Protection	NEMA 4

Ordering and shipping details

Category	21551-XMLE,XMLF,XMLG PRESSURE SENSORS
Discount Schedule	DS2
GTIN	3389118342293
Returnability	No

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	3.15 in (8 cm)
Package 1 Width	5.39 in (13.7 cm)
Package 1 Length	5.00 in (12.7 cm)
Package 1 Weight	5.12 lb(US) (2.321 kg)

Offer Sustainability

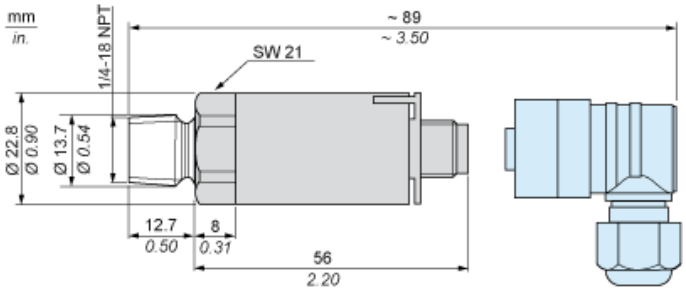
California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes

Contractual warranty

Warranty	18 months

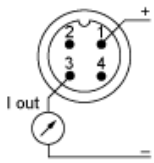
XMLG100D23TQ

Dimensions



Wiring Diagram

2-Wire Technique (4-20 mA)



Output Curves

