

XMLF250D2015

pressure sensor 250 bar - G1/4 (female) - 24 V
- 4..20 mA



Main

Range of Product	Telemecanique Pressure sensors XM
Product or Component Type	Electronic pressure sensors
Pressure sensor name	XMLF
Wiring Technique	2-wire
Pressure Rating	3625.94 psi (250 bar)
Fluid connection type	G 1/4 (female) ISO 228
Controlled fluid	Air 5...176 °F (-15...80 °C) Corrosive fluid 5...176 °F (-15...80 °C) Hydraulic oil 5...176 °F (-15...80 °C) Fresh water 32...176 °F (0...80 °C)
Type of output signal	Analogue
Analogue output function	4...20 mA
Electrical connection	Male connector M12, 4 pins
Product Specific Application	-
Destruction pressure	21755.66 psi (1500 bar)
Type of Installation	Control circuit
Maximum switching current	200 mA
[Us] rated supply voltage	24 V DC 17...33 V
Materials in contact with fluid	FPM (Viton) Stainless steel type AISI 303

Complementary

Setting	External setting
Maximum permissible accidental pressure	14503.77 psi (1000 bar)
Local display	With
Protection Type	Short-circuit protection Connection faults Overload protection Reverse polarity
Current Consumption	80 mA
Operating rate in Hz	50 Hz
Drift of the sensitivity	+/- 0.03 % of measuring range/°C
Drift of the zero point	+/- 0.1 % of measuring range/°C
Response time on output	5...500 ms, in steps of 1 ms
Mechanical durability	10000000 cycles
Display response time type	Normal Fast Slow
Height	4.45 in (113 mm)
Depth	2.28 in (58 mm)
Width	1.81 in (46 mm)
Net Weight	1.30 lb(US) (0.59 kg)
Surge withstand	0.5 kV DC
Measurement accuracy	<= 0.6 % of the measuring range
Repeat accuracy	0.5 %

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. Neither TWSS Holding nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Environment

Operating position	Any position
Standards	EN/IEC 60947-1 EN/IEC 61000-6-2 EN/IEC 61000-4-2 EN/IEC 61000-4-3 EN/IEC 61000-4-4 EN/IEC 61000-4-6 EN/IEC 61000-4-8 EN 50082 EN/IEC 60947-5-1 EN 50081 CE EN/IEC 61000-4-5 EN/IEC 61000-4-11
Product Certifications	CSA[RETURN]JUL
Ambient air temperature for operation	-13...176 °F (-25...80 °C)
Vibration resistance	35 gn 60...2000 Hz)EN/IEC 60068-2-6 5 gn 25...200 Hz)EN/IEC 60068-2-6
Protective treatment	TC
Shock resistance	50 gn EN/IEC 60068-2-27
Resistance to fast transients	2 kV EN/IEC 61000-4-4
IP degree of protection	IP67 conforming to EN/IEC 60529
NEMA Degree of Protection	NEMA 4 NEMA 12 NEMA 6 NEMA 13
Resistance to electrostatic discharge	4 KV on contact EN/IEC 61000-4-2 8 kV in air EN/IEC 61000-4-2
Resistance to electromagnetic fields	9.14 V/m (10 V/m) EN/IEC 61000-4-3
Resistance to conducted disturbances	10 V EN/IEC 61000-4-6

Ordering and shipping details

Category	22661-XMLA,B,C,D PRESSURE SWITCHES
Discount Schedule	DS2
GTIN	03389110275643
Returnability	No
Country of origin	CH

Packing Units

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

Contractual warranty

Warranty	18 months
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