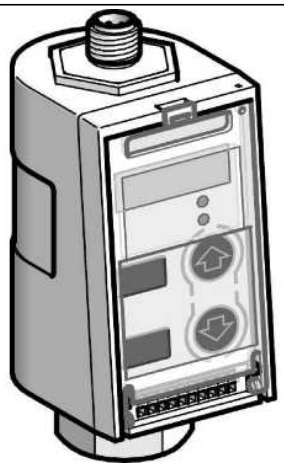
Product data sheet
Characteristics

XMLFM01D2016
pressure sensor -1 bar - 1/4' NPT - 24 V - 4..20 mA



Main

Range of product	OsiSense XM
Product or component type	Electronic pressure sensors
Pressure sensor name	XMLF
Wiring technique	2-wire
Pressure sensor size	-1 bar
Fluid connection type	1/4" - 18 NPT (female)
Controlled fluid	Fresh water (0...80 °C) Hydraulic oil (-15...80 °C) Corrosive fluid (-15...80 °C) Air (-15...80 °C)
Type of output signal	Analogue
Analogue output function	4...20 mA
Electrical connection	4 pins male connector M12
Product specific application	-
Destruction pressure	5 bar
Type of installation	Control circuit
Maximum switching current	200 mA
[Us] rated supply voltage	24 V DC, voltage limits: 17...33 V
Materials in contact with fluid	FPM (Viton) Stainless steel type AISI 303

Complementary

Setting	External setting
Maximum permissible accidental pressure	3 bar
Local display	With
Protection type	Connection faults Overload protection Reverse polarity Short-circuit protection
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	Fast Normal Slow
Height	113 mm
Depth	58 mm
Width	46 mm
Product weight	0.48 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.
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Environment

Operating position	Any position
Standards	CE EN 50081 EN 50082 EN/IEC 60947-1 EN/IEC 60947-5-1 EN/IEC 61000-4-11 EN/IEC 61000-4-2 EN/IEC 61000-4-3 EN/IEC 61000-4-4 EN/IEC 61000-4-5 EN/IEC 61000-4-6 EN/IEC 61000-6-2 EN/IEC 61000-4-8
Product certifications	CSA UL
Ambient air temperature for operation	-25...80 °C
Vibration resistance	5 gn (f = 25...200 Hz) conforming to EN/IEC 60068-2-6 35 gn (f = 60...2000 Hz) conforming to EN/IEC 60068-2-6
Protective treatment	TC
Shock resistance	50 gn conforming to EN/IEC 60068-2-27
Resistance to fast transients	2 kV conforming to EN/IEC 61000-4-4
IP degree of protection	IP67 conforming to EN/IEC 60529
NEMA degree of protection	NEMA 12 NEMA 13 NEMA 4 NEMA 6
Resistance to electrostatic discharge	8 kV (in air) conforming to EN/IEC 61000-4-2 4 kV (on contact) conforming to EN/IEC 61000-4-2
Resistance to electromagnetic fields	10 V/m conforming to EN/IEC 61000-4-3
Resistance to conducted disturbances, induced by radio frequency fields	10 V conforming to EN/IEC 61000-4-6

Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS (date code: YYWW)	Compliant - since 0627 - Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold