



### Main

Range of product	OsiSense XM
Product or component type	Electronic pressure sensors
Pressure switch type of operation	Regulation between 2 thresholds
Pressure sensor name	XMLF
Wiring technique	4-wire
Pressure sensor size	-1 bar
Fluid connection type	1/4" - 18 NPT (female)
Controlled fluid	Fresh water (0...80 °C) Air (-15...80 °C) Corrosive fluid (-15...80 °C) Hydraulic oil (-15...80 °C)
Type of output signal	Analogue + discrete
Analogue output function	4...20 mA
Discrete output type	Solid state PNP or NPN programmable, 1 NO or 1 NC programmable
Electrical connection	4 pins male connector M12
Product specific application	-
Adjustable range of switching point on rising pressure	-0.97...-0.05 bar
Adjustable range of switching point on falling pressure	-1...-0.08 bar
Destruction pressure	5 bar
Type of installation	Control circuit
Scale type	Adjustable differential scale
Maximum switching current	200 mA
[Us] rated supply voltage	24 V DC, voltage limits: 17...33 V
Materials in contact with fluid	Stainless steel type AISI 303 FPM (Viton)

### Complementary

Setting	External setting
Possible differential minimum at low setting	0.03 bar
Possible differential minimum at high setting	0.03 bar

Possible differential maximum at low setting	0.95 bar
Maximum permissible accidental pressure	3 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
Time delay range	0...50 s in steps of 1 second
Response time on output	5...500 ms, in steps of 1 ms
Mechanical durability	>= 10000000 cycles
Display response time type	Slow Normal Fast
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 %

## Environment

Operating position	Any position
Standards	EN/IEC 60947-5-1 CE EN/IEC 61000-4-3 EN/IEC 61000-4-5 EN/IEC 61000-4-2 EN/IEC 61000-4-11 EN 50081 EN/IEC 61000-6-2 EN/IEC 61000-4-6 EN/IEC 61000-4-8 EN/IEC 60947-1 EN/IEC 61000-4-4 EN 50082
Product certifications	UL CSA
Ambient air temperature for operation	-25...80 °C
Vibration resistance	35 gn (f = 60...2000 Hz) conforming to EN/IEC 60068-2-6 5 gn (f = 25...200 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 4 NEMA 6 NEMA 13 NEMA 12
Resistance to electrostatic discharge	4 kV (on contact) conforming to EN/IEC 61000-4-2 8 kV (in air) 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	10 V conforming to EN/IEC 61000-4-6

### Offer Sustainability

RoHS (date code: YYWW)	Compliant - since 0627 - Schneider Electric declaration of conformity <a href="#">Schneider Electric declaration of conformity</a>
REACH	Reference not containing SVHC above the threshold <a href="#">Reference not containing SVHC above the threshold</a>

### Contractual warranty

Warranty period	18 months
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### XMLFM01D2026 may be replaced by any of the following products:



#### Electronic pressure sensors for control circuit XMLRM01G1P26

Pressure sensors XMLR -1 bar - 1/4" 18 NPT - 24VDC - 4..20 mA - PNP - M12

Qty 1

Reason for Substitution: End of life | Substitution date: 01 January 2014 | -



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