



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	5-wire
Pressure sensor size	600 bar
Fluid connection type	G 1/4 (female) conforming to ISO 228
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	Discrete
Discrete output type	Relay
Electrical connection	5 pins male connector SAE 7/8"16 UN
Product specific application	-
Adjustable range of switching point on rising pressure	48...600 bar
Adjustable range of switching point on falling pressure	30...582 bar
Destruction pressure	1800 bar
Type of installation	Control circuit
Scale type	Adjustable differential scale
Maximum switching current	1500 mA C300 AC-15 2.5 A
[Us] rated supply voltage	120 V AC, voltage limits: 102...132 V
Materials in contact with fluid	Stainless steel type AISI 303 FPM (Viton)

Complementary

Setting	External setting
Possible differential minimum at low setting	18 bar
Possible differential minimum at high setting	18 bar

Possible differential maximum at high setting	570 bar
Maximum permissible accidental pressure	1200 bar
Local display	With
Protection type	Overload protection Short-circuit protection Connection faults Reverse polarity
Current consumption	32 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	Fast Slow Normal
Height	119 mm
Depth	58 mm
Width	46 mm
Product weight	0.7 kg
Surge withstand	1 kV AC
Measurement accuracy	<= 0.6 % of the measuring range
Repeat accuracy	<= 0.5 %

Environment

Operating position	Any position
Standards	EN/IEC 61000-4-6 EN/IEC 61000-4-4 EN/IEC 61000-6-2 EN 50082 EN/IEC 61000-4-11 EN/IEC 60947-1 EN/IEC 60947-5-1 EN/IEC 61000-4-2 EN 50081 EN/IEC 61000-4-3 CE EN/IEC 61000-4-8 EN/IEC 61000-4-5
Product certifications	UL CSA
Ambient air temperature for operation	-25...75 °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 12 NEMA 13 NEMA 6 NEMA 4
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 Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold

Contractual warranty

Warranty period	18 months
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XMLF600E2045 is replaced by the following group of products:

	Accessories ABL8MEM24003 regulated SMPS - 1 or 2-phase - 100..240 V AC - 24 V - 0.3 A Qty 1
	Electromechanical relay RSB1A120BD interface plug-in relay - Zelio RSB - 1 C/O - 24 V DC - 12 A Qty 1
	Electromechanical relay RSZE1S35M socket RSZ - separate contact - < 250 V AC - screw connector Qty 1
	Electronic pressure sensors for control circuit XMLR600M2P05 Pressure sensors XMLR 600bar - G 1/4 - 24VDC - 2xPNP - M12 Qty 1

Reason for Substitution: End of life | Substitution date: 01 January 2014 | No direct substitution