



Main

Range of product	OsiSense XM
Product or component type	Electronic pressure sensors
Pressure sensor name	XMLF
Wiring technique	2-wire
Pressure sensor size	16 bar
Fluid connection type	SAE 7/16-20UNF (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
Analogue output function	4...20 mA
Electrical connection	4 pins male connector M12
Product specific application	-
Destruction pressure	96 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	Stainless steel type AISI 303 FPM (Viton)

Complementary

Setting	External setting
Maximum permissible accidental pressure	64 bar
Local display	With
Protection type	Overload protection Connection faults 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	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 61000-4-2 EN 50082 EN 50081 EN/IEC 60947-1 EN/IEC 61000-4-11 EN/IEC 61000-4-5 CE EN/IEC 61000-4-8 EN/IEC 61000-6-2 EN/IEC 61000-4-3 EN/IEC 61000-4-4 EN/IEC 61000-4-6 EN/IEC 60947-5-1
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 12 NEMA 13
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
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Contractual warranty

Warranty period	18 months
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XMLF016D2019 is replaced by:



Legacy Products XMLF016D2029

pressure sensor 16 bar - SAE 7/16-20 UNF - 24 V - NO or NC - 4..20 mA

Qty 1

Reason for Substitution: End of life | Substitution date: 29 June 2008
