

Product availability: Non-Stock - Not normally stocked in distribution facility



Main

Range of product	OsiSense XM
Product or component type	Electronic pressure sensors
Pressure sensor type	Pressure transmitter
Pressure sensor name	XMLG
Pressure sensor size	145.04 psi (10 bar)
Fluid connection type	G 1/4A (male) conforming to DIN 3852-E
Controlled fluid	Fresh water (0...125 °C) Air (5...257 °F (-15...125 °C)) Corrosive fluid (5...257 °F (-15...125 °C)) Hydraulic oil (5...257 °F (-15...125 °C))
Type of output signal	Analogue
Analogue output function	0...10 V, 3 wires
Electrical connection	3 pins 1 male connector M12
[Us] rated supply voltage	24 V DC, voltage limits: 11.4...33 V
Quantity per set	Set of 1
Type of packing	Individual
Diameter	0.9 in (22.8 mm)

Complementary

Pressure setting range	0...145.04 psi (0...10 bar)
Maximum permissible accidental pressure	319.08 psi (22 bar)
Destruction pressure	362.59 psi (25 bar)
Local display	Without
Electrical circuit type	Control circuit
Current consumption	< 20 mA
Materials in contact with fluid	Stainless steel type AISI 303 FPM (Viton) Ceramic
Operating position	Any position
Protection type	Reverse polarity Load short-circuit
Surge withstand	1 kV (42 Ohm) conforming to EN/IEC 61000-4-5 500 kV (12 Ohm) conforming to EN/IEC 61000-4-5
[Uimp] rated impulse withstand voltage	0.5 kV
Response time on output	< 2 ms
Drift of the sensitivity	+/- 0.015 % of measuring range/°C
Drift of the zero point	+/- 0.015 % of measuring range/°C
Measurement accuracy	+/- 0.3 % of the measuring range
Repeat accuracy	+/- 0.1 % of the measuring range
Mechanical durability	>= 10000000 cycles
Product weight	0.21 lb(US) (0.095 kg)
Height	58.1 mm
Length	1.91 in (48.5 mm)
Scale type	Fixed differential

Environment

Standards	EN/IEC 61326-2-3 CE
Product certifications	EAC UL 508 CSA C22.2 No 14
Protective treatment	TC
Ambient air temperature for operation	5...185 °F (-15...85 °C)
Ambient air temperature for storage	-40...185 °F (-40...85 °C)
Vibration resistance	20 gn (f = 9...2000 Hz) conforming to EN/IEC 60028-2-6
Shock resistance	25 gn 11 ms conforming to EN/IEC 60068-2-27
Resistance to electrostatic discharge	15 kV (in air) conforming to EN/IEC 61000-4-2 8 kV (on contact) conforming to EN/IEC 61000-4-2
Resistance to electromagnetic fields	182.88 V/yd (200 V/m) (80...1000 Hz) conforming to EN/IEC 61000-4-3
Resistance to fast transients	4 kV conforming to EN/IEC 61000-4-4
Resistance to conducted disturbances	30 V (0.15...80 Hz) conforming to EN/IEC 61000-4-6
Resistance to magnetic fields	30 A/m conforming to EN/IEC 61000-4-8
IP degree of protection	IP66 conforming to EN/IEC 60529 IP67 conforming to EN/IEC 60529
NEMA degree of protection	NEMA 4

Ordering and shipping details

Category	21551 - XMLF,XMLF,XMLG PRESSURE SENSORS
Discount Schedule	DS2
GTIN	003389118342248
Nbr. of units in pkg.	1
Package weight(Lbs)	0.26000000000000001
Returnability	N
Country of origin	CH

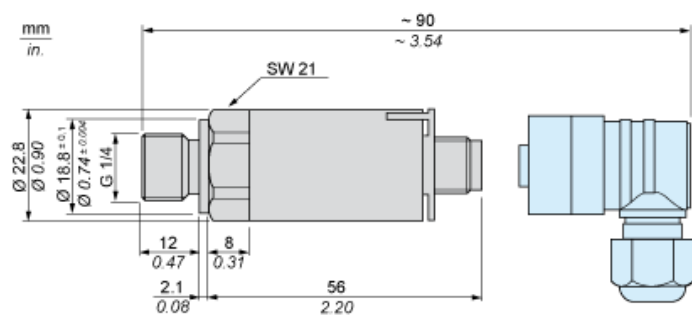
Offer Sustainability

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
California proposition 65	WARNING: This product can expose you to chemicals including:
----- Substance 1	Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and
----- Substance 2	Diisodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm.
----- More information	For more information go to www.p65warnings.ca.gov

Contractual warranty

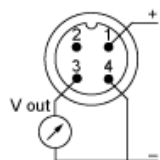
Warranty period	18 months
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Dimensions

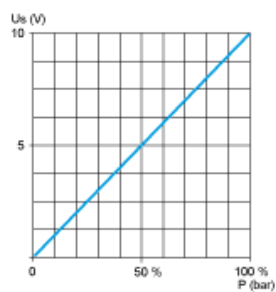


Wiring Diagram

3-Wire Technique (0-10 V)



Output Curves



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

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[XMLG010D71](#)