

# XMLP040BD290

pressure transmitter - XMLP - 40 bar - 7/16  
female - 4..20mA - M12 - set of 1



## Main

Range of product	OsiSense XM
Product or component type	Electronic pressure sensors
Pressure sensor type	Pressure transmitter
Pressure sensor name	XMLP
Electrical circuit type	Control circuit
Pressure sensor size	580.15 psi (40 bar)
Local display	Without
Controlled fluid	Fresh water (0...135 °C) Air -40...275 °F (-40...135 °C) Hydraulic oil -40...275 °F (-40...135 °C) Gas -40...275 °F (-40...135 °C) Refrigeration fluid -40...275 °F (-40...135 °C)
Fluid connection type	SAE 7/16-20UNF-2B (female) with schrader
Electrical connection	1 male connector M12 4 pins
[Us] rated supply voltage	12...24 V DC SELV (voltage limits: 7...33 V)
Current consumption	< 23 mA
Type of output signal	Analogue
Analogue output function	4...20 mA, 2-wire
Quantity per set	Set of 1
Type of packing	Individual

## Complementary

Pressure setting range	0.00...580.15 psi (0...40 bar)
Maximum permissible accidental pressure	1740.45 psi (120 bar)
Destruction pressure	3480.91 psi (240 bar)
Materials in contact with fluid	Stainless steel type AISI 303
Operating position	Any position
Protection type	Load short-circuit Reverse polarity
Electromagnetic compatibility	Electrostatic discharge immunity test EN/IEC 61000-4-2 8 kV air, 4 kV contact 1.2/50 µs shock waves immunity test conforming to EN/IEC 61000-4-5 1 kV 42 Ohm Immunity to magnetic fields conforming to EN/IEC 61000-4-8 100 A/m 50 Hz Electrical fast transient/burst immunity test EN/IEC 61000-4-4 4 kV Susceptibility to electromagnetic fields conforming to EN/IEC 61000-4-3 10 V/m 80...3000 MHz Radiated RF fields conforming to EN/IEC 61000-4-6 10 V 0.01...80 MHz
[Uimp] rated impulse withstand voltage	0.5 kV
Response time on output	<= 2 ms 10...90 % of full scale
Measurement accuracy	+/- 0.5 % of the measuring range
Resolution	0.1 % of the measuring range
Drift of the sensitivity	+/- 0.02 % of measuring range/°K
Drift of the zero point	+/- 0.02 % of measuring range/°K
Mechanical durability	10000000 cycles
Net weight	0.22 lb(US) (0.1 kg)
Diameter	1.02 in (26 mm)
Length	1.73 in (44 mm)

## Environment

Standards	NSF ANSI 61 EN/IEC 61326-2-3
Product certifications	CE CULus RCM EAC
Protective treatment	TC
Ambient air temperature for operation	-22...185 °F (-30...85 °C)
Ambient air temperature for storage	-58...212 °F (-50...100 °C)
Vibration resistance	20 gn 15...2000 Hz) EN/IEC 60068-2-6
Shock resistance	100 gn for 11 ms conforming to EN/IEC 60068-2-27
IP degree of protection	IP65 EN/IEC 60529 IP67 conforming to EN/IEC 60529 IP69K EN/IEC 60529





## Ordering and shipping details

Category	22419 - PRESSURE SWITCH IEC (HIGH,LOW,GEN)
Discount Schedule	DS2
GTIN	00785901805922
Nbr. of units in pkg.	1
Package weight(Lbs)	0.15 lb(US) (0.07 kg)
Returnability	Yes
Country of origin	CH

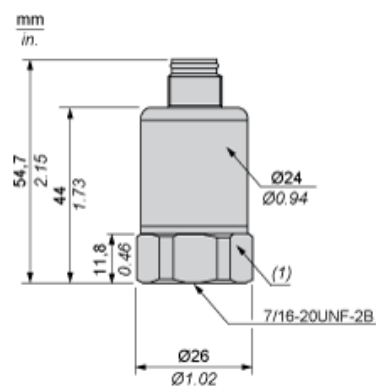
## Packing Units

Unit Type of Package 1	PCE
Package 1 Height	1.57 in (4 cm)
Package 1 width	3.15 in (8 cm)
Package 1 Length	1.73 in (4.4 cm)
Unit Type of Package 2	S01
Number of Units in Package 2	24
Package 2 Weight	5.75 lb(US) (2.606 kg)
Package 2 Height	5.91 in (15 cm)
Package 2 width	5.91 in (15 cm)
Package 2 Length	15.75 in (40 cm)

## Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
REACH Regulation	 <a href="#">REACH Declaration</a>
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)  <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	 <a href="#">Yes</a>
Environmental Disclosure	 <a href="#">Product Environmental Profile</a>

## Dimensions



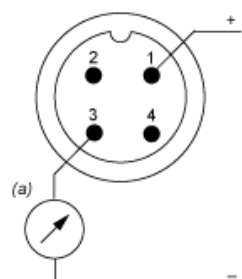
(1) SW24 tightening torque  $\leq 10$  N.m / 221 lb-in

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## Wiring Diagram

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### 2-Wire Technique (4-20 mA)



(a) I out

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Curves

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