

# Product data sheet

Specifications



## pressure transmitter - XMLP - 250bar - R1/4A male - 4..20mA - DIN - set of 1

XMLP250BC24

! Discontinued on: 31 October 2017

! End-of-service on: 31 October 2017

! Discontinued

### 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	250 bar
Local display	Without
Controlled fluid	Fresh water (0...120 °C) Air (-30...120 °C) Hydraulic oil (-30...120 °C) Gas (-30...120 °C) Refrigeration fluid (-30...120 °C)
Fluid connection type	R 1/4 (male)
Electrical connection	1 male connector EN 175301-803-A (ex DIN43650) 3 pins
[Us] rated supply voltage	12...24 V DC SELV (voltage limits: 8...30 V)
Current consumption	< 20 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...250 bar
Maximum permissible accidental pressure	500 bar
Destruction pressure	1000 bar
Materials in contact with fluid	Stainless steel type AISI 304 Stainless steel type 17-4PH
Operating position	Any position
Protection type	Load short-circuit Reverse polarity
Electromagnetic compatibility	Susceptibility to electromagnetic fields conforming to EN/IEC 61000-4-3 10 V/m 80...1000 MHz Electrical fast transient/burst immunity test conforming to EN/IEC 61000-4-4 2 kV

1.2/50  $\mu$ s shock waves immunity test conforming to EN/IEC 61000-4-5 500 V 12 Ohm, 1 kV 42 Ohm  
 Radiated RF fields conforming to EN/IEC 61000-4-6 10 V 0.15...80 MHz  
 Electrostatic discharge immunity test conforming to EN/IEC 61000-4-2 8 kV air, 4 kV contact

<b>[Uimp] rated impulse withstand voltage</b>	0.5 kV
<b>Response time on output</b>	< 5 ms 92 % of full scale
<b>Measurement accuracy</b>	+/- 0.5 % of the measuring range
<b>Resolution</b>	Infinity
<b>Drift of the sensitivity</b>	+/- 0.02 % of measuring range/°K
<b>Drift of the zero point</b>	+/- 0.02 % of measuring range/°K
<b>Long term stability</b>	+/- 0.2 % of the measuring range
<b>Mechanical durability</b>	10000000 cycles
<b>Net weight</b>	0.05 kg
<b>Diameter</b>	30 mm
<b>Length</b>	25 mm

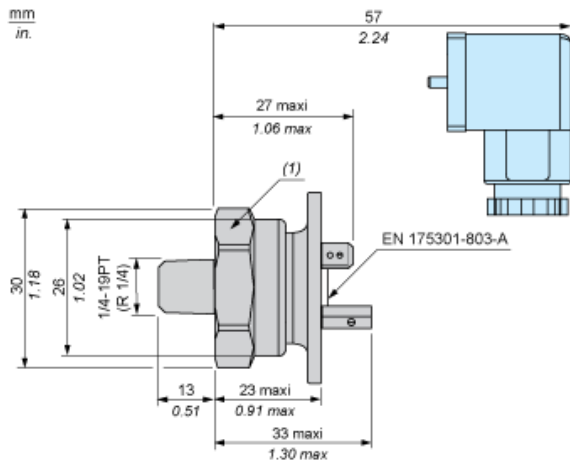
## Environment

<b>Standards</b>	EN/IEC 61326-1 CE
<b>Product certifications</b>	EAC RCM cULus
<b>Protective treatment</b>	TC
<b>Ambient air temperature for operation</b>	-30...100 °C
<b>Ambient air temperature for storage</b>	-30...100 °C
<b>Vibration resistance</b>	20 gn (f = 10...2000 Hz) conforming to EN/IEC 60068-2-64
<b>Shock resistance</b>	25 gn for 11 ms conforming to EN/IEC 60068-2-27
<b>IP degree of protection</b>	IP65 conforming to EN/IEC 60529

## Packing Units

<b>Package 1 Weight</b>	0.068 kg
<b>Package 1 Height</b>	0.660 dm
<b>Package 1 width</b>	0.420 dm
<b>Package 1 Length</b>	0.950 dm

## Dimensions

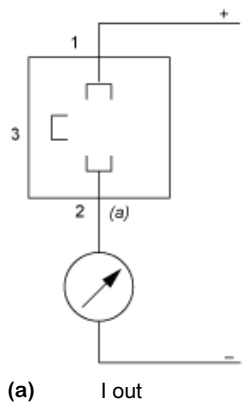


(1) SW27 Tightening torque  $\leq 25$  Nm/ 221 Lb-in

## Wiring Diagram

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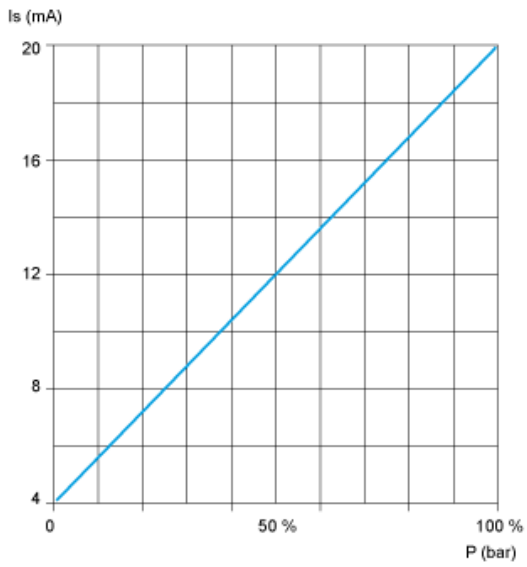
### 2-Wire Technique (4-20 mA)



(a) I out

## Curves

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## Recommended replacement(s)

XMLP250BC24 is replaced by the following product range:



### pressure sensors XM

Sensors for pressure control

Products: 1158