

# XMLP400BC21F

pressure transmitter - XMLP - 400 bar - G1/4A  
male - 4..20mA - DIN - 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      | 5801.51 psi (400 bar)                                                                                                                      |
| Local display             | Without                                                                                                                                    |
| Controlled fluid          | Air (-30...135 °C)<br>Fresh water (0...135 °C)<br>Hydraulic oil (-30...135 °C)<br>Gas (-30...135 °C)<br>Refrigeration fluid (-30...135 °C) |
| Fluid connection type     | G 1/4A (male) DIN 3852-E                                                                                                                   |
| Electrical connection     | 1 male connector EN 175301-803-A (ex DIN43650)<br>3 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...5801.51 psi (0...400 bar)                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Maximum permissible accidental pressure | 17404.53 psi (1200 bar)                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Destruction pressure                    | 34809.06 psi (2400 bar)                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Materials in contact with fluid         | Fluorocarbon FPM<br>Stainless steel AISI 316L                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Operating position                      | Any position                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Protection type                         | Load short-circuit<br>Reverse polarity                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Electromagnetic compatibility           | Electrostatic discharge immunity test EN/IEC 61000-4-2 8 kV air, 4 kV contact<br>1.2/50 µs shock waves immunity test conforming to EN/IEC 61000-4-5 1 kV 42 Ohm<br>Immunity to magnetic fields conforming to EN/IEC 61000-4-8 100 A/m 50 Hz<br>Electrical fast transient/burst immunity test EN/IEC 61000-4-4 4 kV<br>Susceptibility to electromagnetic fields conforming to EN/IEC 61000-4-3 10 V/m<br>80...3000 MHz<br>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                              | 0.24 lb(US) (0.11 kg)                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Diameter                                | 1.02 in (26 mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Length                                  | 2.39 in (60.6 mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

## Environment

|                                       |                                                  |
|---------------------------------------|--------------------------------------------------|
| Standards                             | EN/IEC 61326-2-3<br>NSF ANSI 61                  |
| Product certifications                | EAC<br>RCM<br>CULus<br>CE                        |
| 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                                |

## Ordering and shipping details

|                       |                                            |
|-----------------------|--------------------------------------------|
| Category              | 22419 - PRESSURE SWITCH IEC (HIGH,LOW,GEN) |
| Discount Schedule     | DS2                                        |
| GTIN                  | 03389119640121                             |
| Nbr. of units in pkg. | 1                                          |
| Package weight(Lbs)   | 0.2 lb(US) (0.09 kg)                       |
| Returnability         | No                                         |

## Packing Units

|                              |                        |
|------------------------------|------------------------|
| Unit Type of Package 1       | PCE                    |
| Package 1 Height             | 1.69 in (4.3 cm)       |
| Package 1 width              | 1.85 in (4.7 cm)       |
| Package 1 Length             | 3.46 in (8.8 cm)       |
| Unit Type of Package 2       | S01                    |
| Number of Units in Package 2 | 24                     |
| Package 2 Weight             | 6.26 lb(US) (2.841 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>                                                                                                                                                                                                                                                                                                                                                 |
| REACH free of SVHC         | Yes                                                                                                                                                                                                                                                                                                                                                                               |
| 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



## Wiring Diagram

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



(a)  $I_{out}$

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Curves

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