



**THE DATASHEET OF
XMLB500D2S11**



XMLK006B2C21

Electronic pressure sensors, Pressure sensors XM, sensor XMLK, 0...6 bar, G 1/4 A, 4...20 mA, 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 | XMLK |
| Electrical circuit type | Control circuit |
| Pressure Rating | 87.02 psi (6 bar) |
| Local display | Without |
| Controlled fluid | Air 32...176 °F (0...80 °C) Fresh water 32...176 °F (0...80 °C) |
| Fluid connection type | G 1/4A (male) DIN 3852-E |
| Electrical connection | 1 male connector EN 175301-803-A (ex DIN43650) 4 pins |
| [Us] rated supply voltage | 24 V DC SELV 8...33 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 | 0.00...87.02 psi (0...6 bar) |
| Maximum permissible accidental pressure | 174.05 psi (12 bar) |
| Destruction pressure | 261.07 psi (18 bar) |
| Materials in contact with fluid | Stainless steel type AISI 303 Nitrile (NBR) Ceramic |
| Operating position | Any position |
| Protection Type | Reverse polarity Load short-circuit |
| Electromagnetic compatibility | Electrostatic discharge immunity test EN/IEC 61000-4-2 8 kV air, 6 kV contact Susceptibility to electromagnetic fields EN/IEC 61000-4-3 10 V/m 80...1000 MHz Electrical fast transient/burst immunity test EN/IEC 61000-4-4 2 kV 1.2/50 µs shock waves immunity test EN/IEC 61000-4-5 500 V 12 Ohm, 1 kV 42 Ohm Radiated RF fields EN/IEC 61000-4-6 10 V 0.15...80 MHz Immunity to magnetic fields EN/IEC 61000-4-8 30 A/m 50 Hz |
| [Uimp] rated impulse withstand voltage | 0.5 kV |
| Response time on output | < 5 ms |
| Measurement accuracy | +/- 1 % of the measuring range |
| Resolution | 0.1 % of the measuring range |
| Drift of the sensitivity | +/- 0.04 % of measuring range/°K |
| Drift of the zero point | +/- 0.03 % of measuring range/°K |
| Long term stability | +/- 1 % of the measuring range |
| Mechanical durability | 10000000 cycles |
| Net Weight | 0.24 lb(US) (0.11 kg) |
| Diameter | 1.42 in (36 mm) |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

| | |
|------------|--------------------|
| Length | 2.66 in (67.5 mm) |
| Scale type | Fixed differential |

Environment

| | |
|---------------------------------------|---|
| Standards | EN/IEC 61326-2-3 CE |
| Product Certifications | RCM UL 508 CSA C22.2 No 14 EAC |
| Protective treatment | TC |
| Ambient Air Temperature for Operation | 32...176 °F (0...80 °C) |
| Ambient Air Temperature for Storage | -13...176 °F (-25...80 °C) |
| Vibration resistance | 20 gn 9...2000 Hz) EN/IEC 60068-2-6 |
| Shock resistance | 25 gn 11 ms EN/IEC 60068-2-27 |
| IP degree of protection | IP65 conforming to EN/IEC 60529 |
| NEMA Degree of Protection | NEMA 4 |




Ordering and shipping details

| | |
|-----------------------|---------------------------------------|
| Category | 21561-XMLK,XMLP PRESSURE TRANSMITTERS |
| Discount Schedule | DS2 |
| GTIN | 3389119048286 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 4.66 oz (132.0 g) |
| Returnability | No |
| Country of origin | CH |

Packing Units

| | |
|------------------------------|------------------------|
| Unit Type of Package 1 | PCE |
| Package 1 Height | 2.60 in (6.6 cm) |
| Package 1 width | 1.61 in (4.1 cm) |
| Package 1 Length | 3.74 in (9.5 cm) |
| Unit Type of Package 2 | S01 |
| Number of Units in Package 2 | 24 |
| Package 2 Weight | 7.40 lb(US) (3.358 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

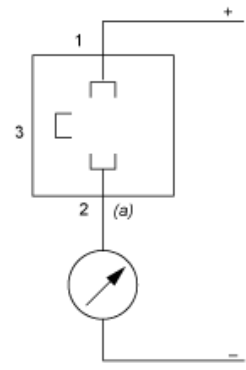
| | |
|----------------------------|---|
| California proposition 65 | WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov |
| REACH Regulation |  REACH Declaration |
| REACH free of SVHC | Yes |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope)  EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information |  Yes |

Contractual warranty

| | |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

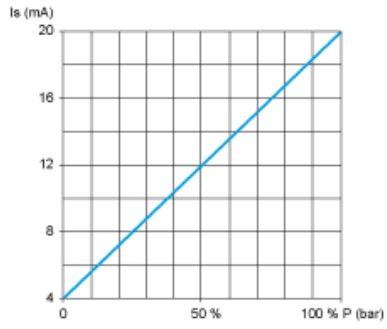
Wiring Diagram

2-Wire Technique (4-20 mA)



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Output Curves



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