XMLK010B2C71

Electronic pressure sensors, Pressure sensors XM, sensor XMLK, 0...10 bar, G 1/4 A, 0...10 V, DIN, set of 1



Main

| Range of product | Telemecanique Pressure sensors XM |
|---------------------------|--|
| Product or component type | Electronic pressure sensors |
| Pressure sensor type | Pressure transmitter |
| Pressure sensor name | XMLK |
| Electrical circuit type | Control circuit |
| Pressure rating | 10 bar |
| Local display | Without |
| Controlled fluid | Air (080 °C) Fresh water (080 °C) |
| Fluid connection type | G 1/4A (male) conforming to DIN 3852-E |
| Electrical connection | 1 male connector EN 175301-803-A (ex DIN43650) 4 pins |
| [Us] rated supply voltage | 24 V DC SELV (voltage limits: 16.233 V) |
| Current consumption | < 6 mA |
| Type of output signal | Analogue |
| Analogue output function | 010 V, 3-wire |
| Quantity per set | Set of 1 |
| Type of packing | Individual |

Complementary

| o in promonary | |
|---|--|
| Pressure setting range | 010 bar |
| Maximum permissible accidental pressure | 20 bar |
| Destruction pressure | 30 bar |
| Materials in contact with fluid | Ceramic Stainless steel type AISI 303 Nitrile (NBR) |
| Operating position | Any position |
| Protection type | Load short-circuit Reverse polarity |
| Electromagnetic compatibility | Electrostatic discharge immunity test conforming to IEC 61000-4-2 8 kV air, 6 kV contact Susceptibility to electromagnetic fields conforming to IEC 61000-4-3 10 V/m 801000 MHz Electrical fast transient/burst immunity test conforming to IEC 61000-4-4 2 kV 1.2/50 µs shock waves immunity test conforming to IEC 61000-4-5 500 V 12 Ohm, 1 kV 42 Ohm Radiated RF fields conforming to IEC 61000-4-6 10 V 0.1580 MHz Immunity to magnetic fields conforming to 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 | 0.11 kg |
| Diameter | 36 mm |
| | |

| Length | 67.5 mm |
|--|---|
| Scale type | Fixed differential |
| Environment | |
| Standards | CE |
| Staridards | IEC 61326-2-3 |
| Product certifications | UL 508[RETURN]RCM[RETURN]CSA C22.2 No 14 |
| Protective treatment | TC |
| Ambient air temperature for operation | 080 °C |
| Ambient air temperature for storage | -2580 °C |
| Vibration resistance | 20 gn (f = 92000 Hz) conforming to IEC 60068-2-6 |
| Shock resistance | 25 gn for 11 ms conforming to IEC 60068-2-27 |
| IP degree of protection | IP65 conforming to IEC 60529 |
| NEMA degree of protection | NEMA 4 |
| | |
| Packing Units | |
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 6.600 cm |
| Package 1 Width | 4.100 cm |
| Package 1 Length | 9.500 cm |
| Package 1 Weight | 136.000 g |
| Unit Type of Package 2 | S01 |
| Number of Units in Package 2 | 12 |
| Package 2 Height | 15 cm |
| Package 2 Width | 15 cm |
| Package 2 Length | 40 cm |
| Package 2 Weight | 1.852 kg |
| | |
| 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 |
| For all Reach Rohs enquiries contact us at | sustainability@tesensors.com |
| | |
| Contractual warranty | |
| Contraction warranty | |



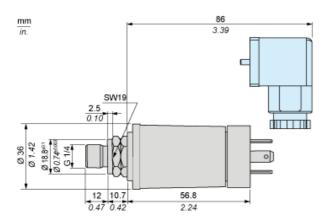
18 months

Warranty

Product data sheet Dimensions Drawings

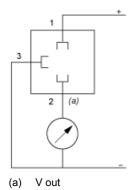
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Dimensions



Wiring Diagram

3-Wire Technique (0-10 V)



Product data sheet Performance Curves

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Output Curves

