



Main

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|-----------------------------------|-------------------------------------------------------------------------|
| Range of product | OsiSense XM |
| Pressure sensor type | Electromechanical pressure sensor |
| Pressure sensor name | FSG |
| Pressure sensor size | 4.6 bar |
| Fluid connection type | G 1/4 (female) conforming to ISO 228 |
| Controlled fluid | Fresh water (0...70 °C) Sea water (0...70 °C) |
| Cable entry | 2 cable entries with grommet |
| Contacts type and composition | 2 NC snap action |
| Product specific application | - |
| Pressure switch type of operation | Regulation between 2 thresholds |
| [In] rated current | 10 A at 250 V AC conforming to EN 60730-1 |
| Electrical connection | Screw-clamp terminals, clamping capacity: 1 x 1...2 x 2 mm ² |
| Short-circuit protection | 20 A cartridge fuse, type gG |
| Scale type | Adjustable differential |
| Setting | Internal |
| Local display | Without |
| Electrical circuit type | Power circuit |

Complementary

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|---------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Materials in contact with fluid | Nitrile Nylon 6/6 Zinc plated steel |
| Enclosure material | PS |
| Operating position | Any position |
| Motor power kW | 0.75 kW/1 hp at 110 V AC, 1 phase 1.1 kW/1.5 hp at 110 V AC, 3 phases 1.5 kW/2 hp at 230 V AC, 1 phase 1.5 kW/2 hp at 400 V AC, 1 phase 2.2 kW/3 hp at 230 V AC, 3 phases 2.2 kW/3 hp at 400 V AC, 3 phases |
| Adjustable range of switching point on falling pressure | 0.3...3.4 bar |

Disclaimer: 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

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|--------------------------------------------------------|------------------------------------------|
| Adjustable range of switching point on rising pressure | 1.4...4.6 bar |
| Possible differential minimum at low setting | 1 bar |
| Possible differential minimum at high setting | 1.2 bar |
| Possible differential maximum at low setting | 2.1 bar |
| Possible differential maximum at high setting | 2.3 bar |
| Maximum permissible accidental pressure | 8 bar |
| Maximum permissible pressure - per cycle | 5.75 bar |
| Destruction pressure | 20 bar |
| Pressure actuator | Diaphragm |
| Electrical durability | 100000 cycles, operating rate <10 cyc/mn |
| Mechanical durability | 1000000 cycles |
| Terminal block type | 4 terminals |
| Possible differential minimum at middle setting | 1.1 bar |
| Possible differential maximum at middle setting | 2.2 bar |
| Maximum operating rate | 10 cyc/mn |
| [Ui] rated insulation voltage | 500 V conforming to EN/IEC 60947-1 |
| [Uimp] rated impulse withstand voltage | 6 kV EN/IEC 60947-1 |
| Net weight | 0.34 kg |
| Repeat accuracy | 2 % |
| Terminals description ISO n°1 | (3-4)NC (1-2)NC |
| Depth | 102 mm |
| Height | 96 mm |
| Width | 72 mm |

Environment

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|---------------------------------------|---------------------------------|
| Standards | EN/IEC 60730 CE |
| Ambient air temperature for operation | 0...45 °C |
| Ambient air temperature for storage | -30...80 °C |
| Protective treatment | TC |
| Electrical shock protection class | Class I conforming to IEC 536 |
| IP degree of protection | IP20 conforming to EN/IEC 60529 |

Packing Units

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|------------------------------|----------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Weight | 368 g |
| Package 1 Height | 10.3 cm |
| Package 1 width | 7.3 cm |
| Package 1 Length | 10.5 cm |
| Unit Type of Package 2 | S03 |
| Number of Units in Package 2 | 25 |
| Package 2 Weight | 9.606 kg |
| Package 2 Height | 30 cm |
| Package 2 width | 30 cm |

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|------------------|-------|
| Package 2 Length | 40 cm |
|------------------|-------|

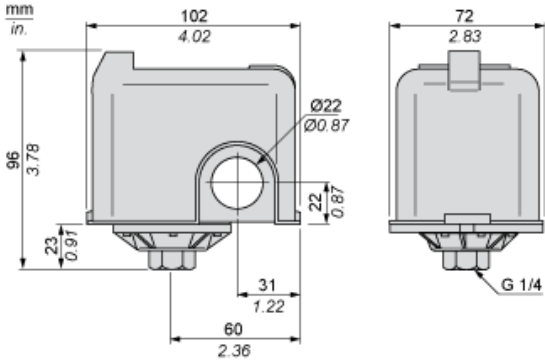
Offer Sustainability

| | |
|----------------------------|--------------------------------------------------|
| EU RoHS Directive | Compliant EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End of Life Information |

Contractual warranty

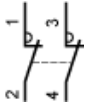
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|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

Dimensions



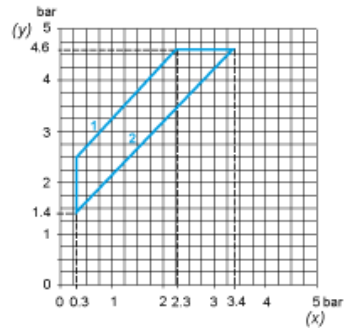
Wiring Diagram

Connections

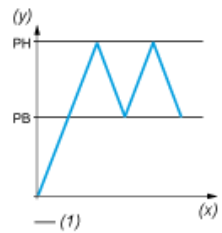


Curves

Operating Curves



- (y) Rising pressure
- (x) Falling pressure
- 1 : Maximum differential
- 2 : Minimum differential



- (y) Pressure
- (x) Time
- (1) Adjustable value