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Product data sheet
Characteristics

FSG2
pressure switch FSG 4.6 bar - adjustable scale 2 thresholds - 2NC



Main

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 mm²
Short-circuit protection	20 A cartridge fuse type gG
Scale type	Adjustable differential
Setting	Internal
Local display	Without
Electrical circuit type	Power circuit

Complementary

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

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

	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
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 at 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
Operating rate	10 cyc/mn
[Ui] rated insulation voltage	500 V conforming to EN/IEC 60947-1
[Uimp] rated impulse withstand voltage	6 kV conforming to EN/IEC 60947-1
Product weight	0.34 kg
Repeat accuracy	< 2 %
Terminals description ISO n°1	(1-2)NC (3-4)NC
Depth	102 mm
Height	96 mm
Width	72 mm

Environment

Standards	CE EN/IEC 60730
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

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0627 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACh	Reference contains SVHC above the threshold - Go to CaP for more details Go to CaP for more details
Product environmental profile	Available Product environmental
Product end of life instructions	Available

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End of life manual

Contractual warranty

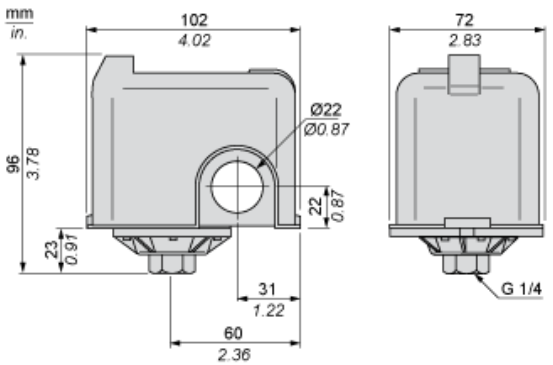
Warranty period	18 months

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Product data sheet
Dimensions Drawings

FSG2

Dimensions



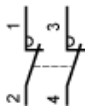
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Product data sheet
Connections and Schema

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Wiring Diagram

Connections



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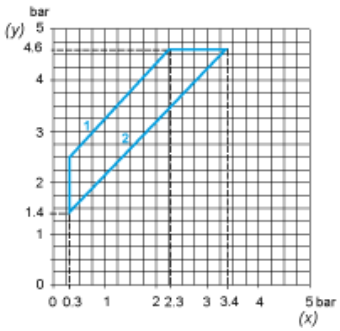
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Product data sheet
Performance Curves

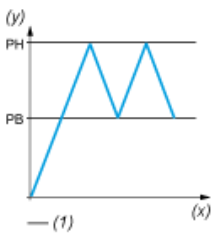
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Curves

Operating Curves



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



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

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