

# Product data sheet

Specifications

SQUARE D

Green Premium™



## Pressure sensors XM, pressure switch FSG 4.6 bar, adjustable scale 2 thresholds, 2NC

FSG2

**Price\* : 99.00 USD**

### Main

Range of product	OsiSense XM
Pressure sensor type	Electromechanical pressure sensor
Pressure sensor name	FSG
Pressure Rating	66.72 psi (4.6 bar)
Fluid connection type	G 1/4 (female) ISO 228
Controlled fluid	Fresh water 32...158 °F (0...70 °C)) Sea water 32...158 °F (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
Line Rated Current	10 A 250 V AC EN 60730-1
Electrical connection	Screw-clamp terminals 1 x 1...2 x 2 mm <sup>2</sup>
Short-circuit protection	20 A cartridge fuse 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 phase 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 phase 2.2 kW/3 hp at 400 V AC, 3 phase

\* Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

<b>Adjustable range of switching point on falling pressure</b>	4.35...49.31 psi (0.3...3.4 bar)
<b>Adjustable range of switching point on rising pressure</b>	20.31...66.72 psi (1.4...4.6 bar)
<b>Possible differential minimum at low setting</b>	14.50 psi (1 bar)
<b>Possible differential minimum at high setting</b>	17.40 psi (1.2 bar)
<b>Possible differential maximum at low setting</b>	30.46 psi (2.1 bar)
<b>Possible differential maximum at high setting</b>	33.36 psi (2.3 bar)
<b>Maximum permissible accidental pressure</b>	116.03 psi (8 bar)
<b>Maximum permissible pressure - per cycle</b>	83.40 psi (5.75 bar)
<b>Destruction pressure</b>	290.08 psi (20 bar)
<b>Pressure actuator</b>	Diaphragm
<b>Electrical durability</b>	100000 cycles 10 cyc/mn
<b>Mechanical durability</b>	1000000 cycles
<b>Terminal block type</b>	4 terminals
<b>Possible differential minimum at middle setting</b>	15.95 psi (1.1 bar)
<b>Possible differential maximum at middle setting</b>	31.91 psi (2.2 bar)
<b>Maximum operating rate</b>	10 cyc/mn
<b>[Ui] rated insulation voltage</b>	500 V EN/IEC 60947-1
<b>[Uimp] rated impulse withstand voltage</b>	6 kV EN/IEC 60947-1
<b>Net Weight</b>	0.75 lb(US) (0.34 kg)
<b>Repeat accuracy</b>	2 %
<b>Terminals description ISO n°1</b>	(3-4)NC (1-2)NC
<b>Depth</b>	4.02 in (102 mm)
<b>Height</b>	3.78 in (96 mm)
<b>Width</b>	2.83 in (72 mm)

## Environment

<b>Standards</b>	EN/IEC 60730 CE
<b>Ambient air temperature for operation</b>	32...113 °F (0...45 °C)
<b>Ambient Air Temperature for Storage</b>	-22...176 °F (-30...80 °C)
<b>Protective treatment</b>	TC
<b>Electrical shock protection class</b>	Class I IEC 536
<b>IP degree of protection</b>	IP20 conforming to EN/IEC 60529

## Ordering and shipping details

<b>Category</b>	18407-WORLD SERVICE PARTS(SENSORS)
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Discount Schedule	T
GTIN	3389110524222
Nbr. of units in pkg.	1
Package weight(Lbs)	12.98 oz (368 g)
Returnability	No
Country of origin	MX

## Packing Units

Unit Type of Package 1	PCE
Package 1 Height	4.06 in (10.3 cm)
Package 1 width	2.87 in (7.3 cm)
Package 1 Length	4.13 in (10.5 cm)
Unit Type of Package 2	S03
Number of Units in Package 2	25
Package 2 Weight	21.18 lb(US) (9.606 kg)
Package 2 Height	11.81 in (30 cm)
Package 2 width	11.81 in (30 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>
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End of Life Information</a>

## Contractual warranty

Warranty	18 months
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**Wiring Diagram**

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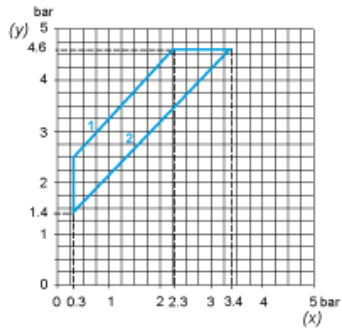
**Connections**



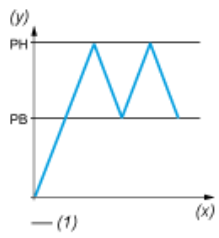
**Curves**

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**Operating Curves**



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



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