FSG2

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

Main

Range of product	Telemecanique Pressure sensors XM
Pressure sensor type	Electromechanical pressure sensor
Pressure sensor name	FSG
Pressure rating	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 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, operating rate <10 cyc/mn
Mechanical durability	1000000 cycles
Terminal block type	4 terminals
Possible differential minimum at middle setting	1.1 bar

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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 conforming to 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

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 Height	10.300 cm
Package 1 Width	7.300 cm
Package 1 Length	10.500 cm
Package 1 Weight	368.000 g
Unit Type of Package 2	S03
Number of Units in Package 2	25
Package 2 Height	30.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	9.606 kg
Unit Type of Package 3	P06
Number of Units in Package 3	200
Package 3 Height	75.000 cm
Package 3 Width	60.000 cm
Package 3 Length	80.000 cm
Package 3 Weight	84.000 kg

Offer Sustainability

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Sustainable offer status	Green Premium product
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
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
???ecat.characteristic.sensors.contact.at.tx???	sustainability@tesensors.com

Contractual warranty

Warranty	18 months

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Dimensions
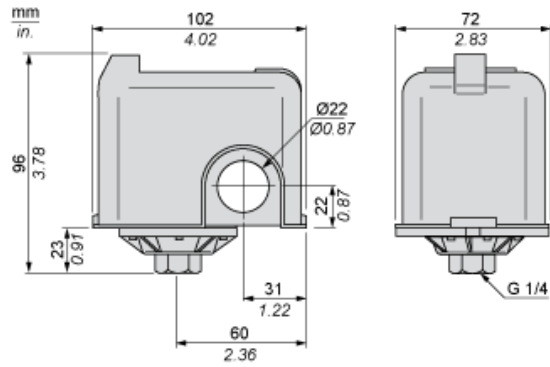
Wiring Diagram

Connections

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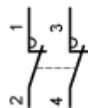
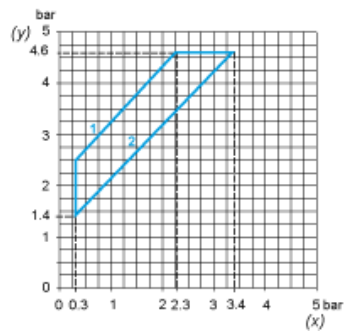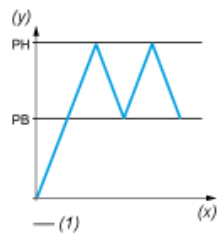## Curves

Operating Curves

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

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