

FSG2J21M1CP

PRESSURE SWITCH - 575 VAC 1 HP F + OPTIONS



Main

Range of product	Telemecanique Pressure sensors XM
Pressure sensor type	Electromechanical pressure sensor
Pressure sensor name	FSG
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

Materials in contact with fluid	Zinc plated steel Nylon 6/6 Nitrile
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
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	(1-2)NC (3-4)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

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	13.716 cm
Package 1 Width	11.684 cm
Package 1 Length	10.668 cm
Package 1 Weight	399.0 g
Unit Type of Package 2	PAL
Number of Units in Package 2	250
Package 2 Height	101.6 cm
Package 2 Width	101.6 cm
Package 2 Length	121.92 cm
Package 2 Weight	117.027 kg
Unit Type of Package 3	CAR
Number of Units in Package 3	5
Package 3 Height	22.606 cm
Package 3 Width	21.336 cm
Package 3 Length	36.83 cm
Package 3 Weight	2.272 kg

Offer Sustainability

Sustainable offer status	Green Premium product
Toxic heavy metal free	Yes
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