

# FHG12J52XCP

## 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	FHG
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 IEC 60730-1
Electrical connection	Screw-clamp terminals, clamping capacity: 1 x 1...2 x 2 mm <sup>2</sup>
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	Nylon 6/6 Zinc plated steel 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 IEC 60947-1
[Uimp] rated impulse withstand voltage	6 kV conforming to 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	CE 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 IEC 60529

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	10.922 cm
Package 1 Width	13.97 cm
Package 1 Length	19.05 cm
Package 1 Weight	421.841 g
Unit Type of Package 2	CAR
Number of Units in Package 2	5
Package 2 Height	22.86 cm
Package 2 Width	22.86 cm
Package 2 Length	38.1 cm
Package 2 Weight	2.359 kg

## Offer Sustainability

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 Diisodecyl 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>
For all Reach Rohs enquiries contact us at	<a href="mailto:sustainability@tesensors.com">sustainability@tesensors.com</a>