

FTG2NE

pressure switch FTG 4.6 bar - fixed scale 1
threshold - 2NC



Main

Range of product	OsiSense XM
Pressure sensor type	Electromechanical pressure sensor
Pressure sensor name	FTG
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 entries incorporating Pg 13.5 plastic cable gland, cable outer diameter: 9...13 mm conforming to NF C 68-300
Contacts type and composition	2 NC snap action
Product specific application	-
Pressure switch type of operation	Detection of single threshold
[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	Fixed differential
Setting	Internal
Local display	Without
Electrical circuit type	Power circuit

Complementary

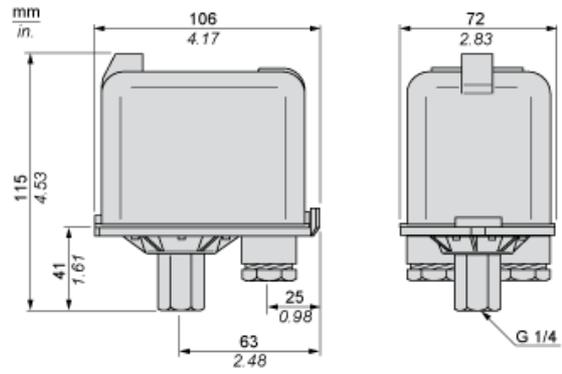
Materials in contact with fluid	Nitrile Nylon 6/6 Zinc plated steel
Enclosure material	PS
Operating position	Any position
Motor power kW	0.75 kW/1 hp at 110 V AC, 1 phase 1.1 kW/1.5 hp at 110 V AC, 3 phases 1.5 kW/2 hp at 400 V AC, 1 phase 1.1 kW/1.5 hp at 230 V AC, 1 phase 1.5 kW/2 hp at 230 V AC, 3 phases 1.5 kW/2 hp at 400 V AC, 3 phases
Adjustable range of switching point on falling pressure	0.3...3.1 bar
Adjustable range of switching point on rising pressure	1.4...4.6 bar
Maximum permissible accidental pressure	8 bar
Maximum permissible pressure - per cycle	5.75 bar
Destruction pressure	20 bar
Pressure actuator	Diaphragm
Electrical durability	40000 cycles at 10 cyc/mn
Mechanical durability	400000 cycles
Terminal block type	4 terminals
Natural differential at low setting	1.1 bar
Natural differential at middle setting	1.3 bar
Natural differential at high setting	1.5 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	106 mm
Height	115 mm
Width	72 mm

Environment

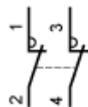
Standards	CE EN/IEC 60730
Ambient air temperature for operation	0...45 °C
Ambient air temperature for storage	-30...80 °C
Protective treatment	TC
Class of protection against electric shock	Class I conforming to IEC 536
IP degree of protection	IP65 conforming to EN/IEC 60529

Dimensions



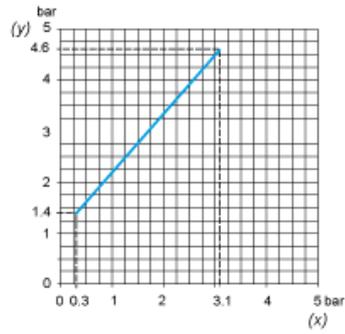
Wiring Diagram

Connections

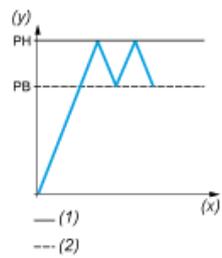


Curves

Operating Curves



- (y) Rising pressure
- (x) Falling pressure



- (y) Pressure
- (x) Time
- (1) Adjustable value
- (2) Non adjustable value