Product data sheet
Characteristics

FYG22
Pressure sensors XM, pressure switch FYG 7 bar, adjustable scale 2 thresholds, 2NC

Main

Range of Product	Telemecanique Pressure sensors XM
Pressure sensor type	Electromechanical pressure sensor
Pressure sensor name	FYG
Pressure Rating	101.5 psi (7 bar)
Fluid connection type	G 1/4 (female) ISO 228
Controlled fluid	Fresh water 32.0000000000…158.0000000000 °F (0…70 °C)) Sea water 32.0000000000…158.0000000000 °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 IEC 60730-1
Electrical connection	Screw-clamp terminals 1 x 1...2 x 2 mm²
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	Nylon 6/6 Nitrile 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
Adjustable range of switching point on falling pressure	7.3…78.3 psi (0.5…5.4 bar)
Adjustable range of switching point on rising pressure	40.6…101.5 psi (2.8…7 bar)
Possible differential minimum at low setting	17.4 psi (1.2 bar)
Possible differential minimum at high setting	23.2 psi (1.6 bar)
Possible differential maximum at low setting	33.4 psi (2.3 bar)
Possible differential maximum at high setting	39.2 psi (2.7 bar)
Maximum permissible accidental pressure	217.6 psi (15 bar)
Maximum permissible pressure - per cycle	126.91 psi (8.75 bar)
Destruction pressure	290.08 psi (20 bar)
Pressure actuator	Diaphragm
Electrical durability	100000 cycles 10 cyc/mn
Mechanical durability	1000000 cycles
Terminal block type	4 terminals
Possible differential minimum at middle setting	20.3 psi (1.4 bar)

Possible differential maximum at middle setting	36.3 psi (2.5 bar)
Maximum operating rate	10 cyc/mn
[Ui] rated insulation voltage	500 V IEC 60947-1
[Uimp] rated impulse withstand voltage	6 kV IEC 60947-1
Net Weight	0.75 lb(US) (0.34 kg)
Repeat accuracy	2 %
Terminals description ISO n°1	(3-4)NC (1-2)NC
Depth	4.02 in (102 mm)
Height	3.7 in (94 mm)
Width	2.8 in (72 mm)

Environment

Standards	CE IEC 60730
Ambient Air Temperature for Operation	32.0000000000…113.0000000000 °F (0…45 °C)
Ambient Air Temperature for Storage	-22.0000000000…176.0000000000 °F (-30…80 °C)
Protective treatment	TC
Electrical shock protection class	Class I IEC 536
IP degree of protection	IP20 conforming to IEC 60529

Ordering and shipping details

Category	US1000T18407
Discount Schedule	000T
GTIN	3389110524468
Returnability	No
Country of origin	MX

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2.8 in (7.2 cm)
Package 1 Width	4.06 in (10.3 cm)
Package 1 Length	4.1 in (10.5 cm)
Package 1 Weight	13.05 oz (370 g)
Unit Type of Package 2	S03
Number of Units in Package 2	25
Package 2 Height	11.8 in (30 cm)
Package 2 Width	11.8 in (30 cm)
Package 2 Length	15.7 in (40 cm)
Package 2 Weight	21.658 lb(US) (9.824 kg)
Unit Type of Package 3	P06
Number of Units in Package 3	200
Package 3 Height	29.5 in (75 cm)
Package 3 Width	23.6 in (60 cm)
Package 3 Length	31.5 in (80 cm)
Package 3 Weight	190.903 lb(US) (86.592 kg)

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 www.P65Warnings.ca.gov
For all Reach Rohs enquiries contact us at	sustainability@tesensors.com

Telemecanique
Sensors

Contractual warranty

Warranty	18 months