

Electromechanical pressure switches

OsiSense XM, type XML

Size 2.5 bar (36.25 psi)

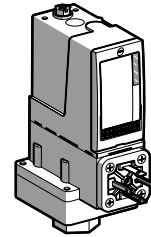
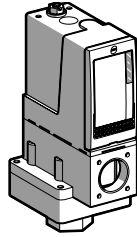
Fixed differential, for detection of a single threshold

Switches with 1 CO single-pole contact

Fluid connection G 1/4 (female)

Pressure switches type XML A

With setting scale



2

Adjustable range of switching point (PH) (Rising pressure)	0.15...2.5 bar (2.17...36.25 psi)	
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Electrical connection	Terminals	DIN connector
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References (1)

Fluids controlled (2)	Hydraulic oils, fresh water, sea water, air, up to +70°C	XML A002A2S12	XML A002A2C11
	Hydraulic oils, fresh water, sea water, air, up to 160°C	XML A002B2S12	XML A002B2C11
	Corrosive fluids, up to + 160°C	XML A002C2S12	XML A002C2C11

Weight (kg)	0.995	1.010
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Complementary characteristics not shown under general characteristics (page 2/77)

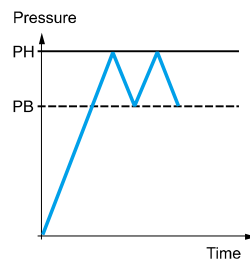
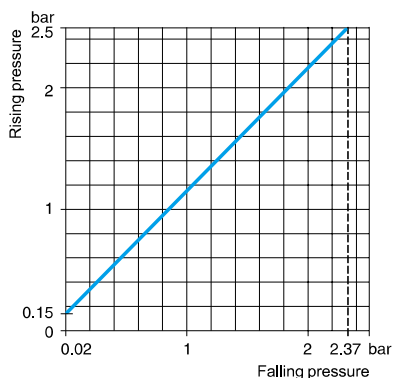
Natural differential (subtract from PH to give PB)	At low setting (3)	0.13 bar (1.88 psi)
	At high setting (3)	0.13 bar (1.88 psi)
Maximum permissible pressure	Per cycle	5 bar (72.5 psi)
	Accidental	9 bar (130.5 psi)
Destruction pressure		18 bar (261 psi)
Mechanical life		8 x 10 ⁶ operating cycles
Cable entry for terminal models		1 entry tapped M20 x 1.5 mm for ISO cable gland, clamping capacity 7 to 13 mm
Connector type for connector models		DIN 43650 A, 4-pin male. For suitable female connector, see page 2/130
Pressure switch type		Diaphragm

(1) For 1 entry tapped for n° 13 cable gland, replace S12 by S11 (example: XML A002A2S12 becomes XML A002A2S11).

(2) Component materials of units in contact with the fluid, see pages 2/136 and 2/137.

(3) Deviation of the differential at low and high setting points for switches of the same size: ± 0.03 bar (± 0.43 psi).

Operating curves



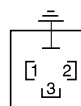
Connection

Terminal model



Connector model

Pressure switch connector pin view



1 → 11 and 13
2 → 12
3 → 14

— Adjustable value
--- Non adjustable value

Other versions

Pressure switches with alternative tapped cable entries: NPT etc. Please consult our Customer Care Centre.