

Electromechanical vacuum switches

OsiSense XM, type XML

Size - 1 bar (- 14.5 psi)

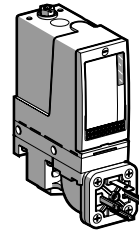
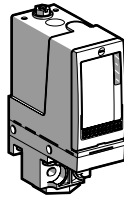
Fixed differential, for detection of a single threshold

Switches with 1 CO single-pole contact

Fluid connection G 1/4 (female)

Vacuum switches type XML A

With setting scale



2

Adjustable range of switching point (PB) (Falling pressure)	- 0.28...- 1 bar (- 4.06...- 14.5 psi)	
Electrical connection	Terminals	DIN connector

References (1)

Fluids controlled (2)	Hydraulic oils, fresh water, sea water, air, up to +70°C	XML AM01V2S12	XML AM01V2C11
	Hydraulic oils, fresh water, sea water, air, corrosive fluids, up to + 160°C	XML AM01T2S12	XML AM01T2C11
Weight (kg)	0.685	0.715	

Complementary characteristics not shown under general characteristics (page 2/77)

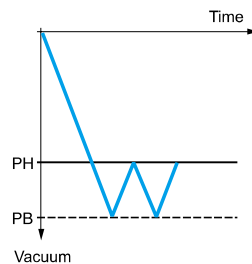
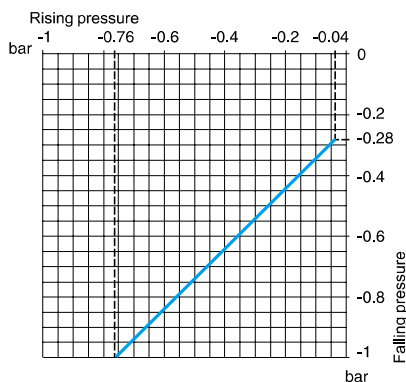
Natural differential (add to PB to give PH)	At low setting (3)	0.24 bar (3.48 psi)
	At high setting (3)	0.24 bar (3.48 psi)
Maximum permissible pressure	Per cycle	5 bar (72.5 psi)
	Accidental	9 bar (130.5 psi)
Destruction pressure		18 bar (261 psi)
Mechanical life		3 x 10 ⁶ operating cycles
Cable entry 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
Vacuum switch type		Diaphragm

(1) For 1 entry tapped for n° 13 cable gland, replace **S12** by **S11** (example: **XML AM01V2S12** becomes **XML AM01V2S11**).

(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:
± 0.05 bar (± 0.72 psi).

Operating curves



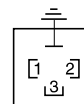
Connection

Terminal model



Connector model

Vacuum switch connector pin view



1 → 11 and 13
2 → 12
3 → 14

— Adjustable value
--- Non adjustable value

Other versions

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