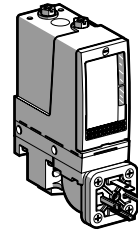
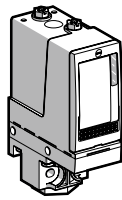


# Electromechanical vacu-pressure switches

OsiSense XM, type XML. Size 5 bar (72.5 psi).  
Adjustable differential, for regulation between 2 thresholds.  
Switches with 1 CO single-pole contact.  
Fluid connection G 1/4 (female)

Vacu-pressure switches type XML B

With setting scale



2

Adjustable range of switching point (PH) (Rising pressure)	- 0.5...5 bar (- 7.25...72.5 psi)	
Electrical connection	Terminals	DIN connector

References (1)

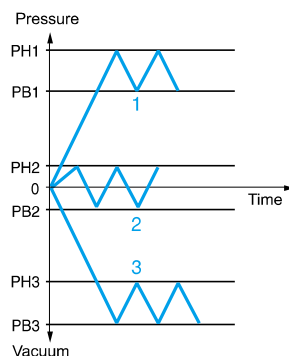
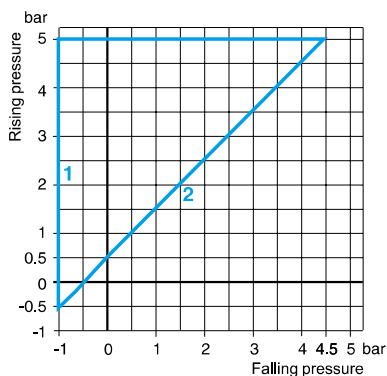
Fluids controlled (2)	Hydraulic oils, fresh water, sea water, air, up to +70°C	XML BM05A2S12	XML BM05A2C11
	Hydraulic oils, fresh water, sea water, air, up to 160°C	XML BM05B2S12	XML BM05B2C11
	Corrosive fluids, up to + 160°C	XML BM05C2S12	XML BM05C2C11
	Viscous products, up to + 160°C (G 1/4" fluid connection)	XML BM05P2S12	XML BM05P2C11
Weight (kg)		0.685	0.715

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

Possible differential (subtract from PH to give PB)	Min. at low setting (3)	0.5 bar (7.25 psi)
	Min. at high setting (3)	0.5 bar (7.25 psi)
	Max. at high setting	6 bar (87 psi)
Maximum permissible pressure	Per cycle	6.25 bar (90.62 psi)
	Accidental	11.25 bar (163.12 psi)
Destruction pressure		23 bar (333.5 psi)
Mechanical life		3 x 10 <sup>6</sup> 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
Vacu-pressure switch type		Diaphragm

- (1) For 1 entry tapped for n° 13 cable gland, replace S12 by S11 (example: XML BM05A2S12 becomes XML BM05A2S11).
- (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



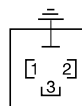
Connection

Terminal model



Connector model

Vacu-pressure switch pin view



- 1 → 11 and 13
- 2 → 12
- 3 → 14

- 1 Maximum differential
- 2 Minimum differential

— Adjustable value

Other versions

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