

# Electromechanical pressure switches

## OsiSense XM, type XML

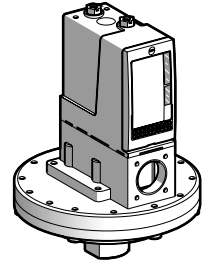
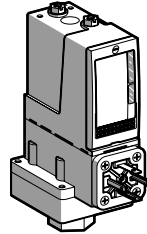
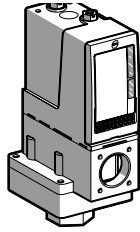
Size 4 bar (58 psi)

Adjustable differential, for regulation between 2 thresholds

Switches with 1 CO single-pole contact

Fluid connection G 1/4 (female)

Pressure switches type XML B	With setting scale	30 bar (435 psi) overpressure With setting scale
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Adjustable range of switching point (PH) (Rising pressure)	0.25...4 bar (3.62...58 psi)		
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Electrical connection	Terminals	DIN connector	Terminals
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### References (1)

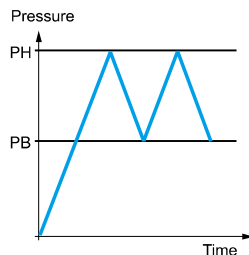
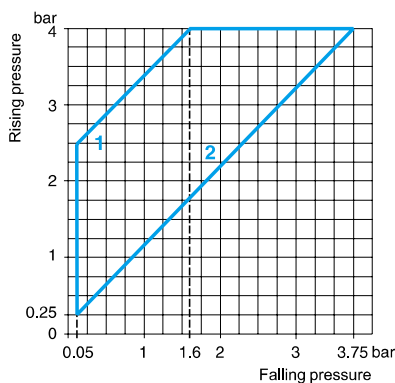
Fluids controlled (2)	Hydraulic oils, fresh water, sea water, air, up to +70°C	XML B004A2S12	XML B004A2C11	—
	Hydraulic oils, fresh water, sea water, air, up to 160°C	XML B004B2S12	XML B004B2C11	—
	Hydraulic oils, fresh water, air, up to +160°C	—	—	XML BS04B2S12
	Corrosive fluids, up to +160°C	XML B004C2S12	XML B004C2C11	—
Weight (kg)	1.015	1.030	3.500	

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

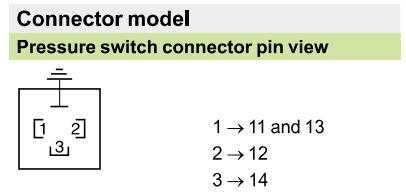
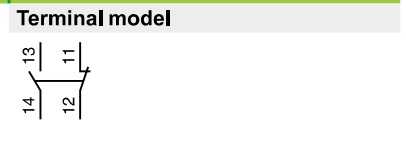
Possible differential (subtract from PH to give PB)	Min. at low setting (3)	0.2 bar (2.9 psi)	0.15 bar (2.18 psi)
	Min. at high setting (4)	0.25 bar (3.62 psi)	0.34 bar (4.93 psi)
	Max. at high setting	2.4 bar (34.8 psi)	2.46 bar (35.67 psi)
Maximum permissible pressure	Per cycle	5 bar (72.5 psi)	30 bar (435 psi)
	Accidental	9 bar (130.5 psi)	37.5 bar (543.75 psi)
Destruction pressure		18 bar (261 psi)	67.5 bar (978.75 psi)
Mechanical life		8 x 10 <sup>6</sup> operating cycles	2 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		
Pressure switch type	Diaphragm		

- (1) For 1 entry tapped for n° 13 cable gland, replace S12 by S11 (example: XML B004A2S12 becomes XML B004A2S11).  
 (2) Component materials of units in contact with the fluid, see pages 2/136 and 2/137.  
 (3) Deviation of the differential at low setting point for switches of the same size: ± 0.01 bar (± 0.14 psi).  
 (4) Deviation of the differential at high setting point for switches of the same size: - 0.03 bar, + 0.05 bar (- 0.43 psi, + 0.72 psi).

### Operating curves



### Connection



- 1 Maximum differential  
 2 Minimum differential

— Adjustable value

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