

# Electromechanical pressure switches

## OsiSense XM, type XML

Size 1 bar (14,5 psi)

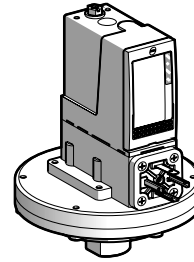
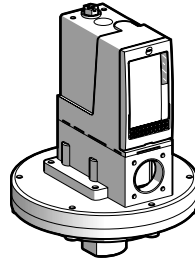
Fixed differential, for detection of a single threshold

Switches with 1 CO single-pole contact

Fluid connection G 1/4 (female)

### Pressure switches type XML A

### With setting scale



2

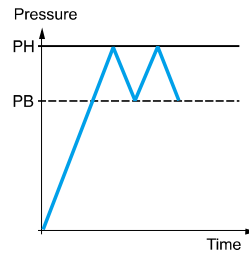
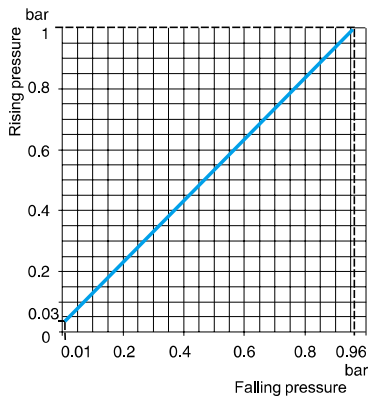
<b>Adjustable range of switching point (PH)</b> (Rising pressure)	0.03...1 bar (0.435...14.5 psi)		
<b>Electrical connection</b>	Terminals	DIN connector	
<b>References (1)</b>			
<b>Fluids controlled</b> (2)	Hydraulic oils, air, up to + 160°C	XML A001R2S12	XML A001R2C11
	Fresh water, sea water, corrosive fluids, up to + 160°C	XML A001S2S12	XML A001S2C11
<b>Weight (kg)</b>	2.555	2.570	
<b>Complementary characteristics not shown under general characteristics</b> (page 2/77)			
<b>Natural differential</b> (subtract from PH to give PB)	At low setting (3)	0.02 bar (0.29 psi)	
	At high setting (3)	0.04 bar (0.58 psi)	
<b>Maximum permissible pressure</b>	Per cycle	1.25 bar (18.12 psi)	
	Accidental	2.25 bar (32.62 psi)	
<b>Destruction pressure</b>	4.5 bar (65.25 psi)		
<b>Mechanical life</b>	4 x 10 <sup>6</sup> operating cycles		
<b>Cable entry for terminal models</b>	1 entry tapped M20 x 1.5 mm for ISO cable gland, clamping capacity 7 to 13 mm		
<b>Connector type for connector models</b>	DIN 43650 A, 4-pin male. For suitable female connector, see page 2/130		
<b>Pressure switch type</b>	Diaphragm		

(1) For 1 entry tapped for n° 13 cable gland, replace S12 by S11 (example: XML A001R2S12 becomes XML A001R2S11).

(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: ± 0.01 bar (± 0.14 psi).

### Operating curves



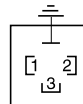
### Connection

#### 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.