

Electromechanical pressure switches

OsiSense XM, type XML

Size 4 bar (58 psi)

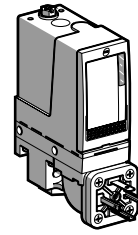
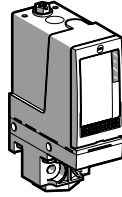
Fixed differential, for detection of a single threshold

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)	0.4...4 bar (5.8...58 psi)	
Electrical connection	Terminals	DIN connector

References (1)

Fluids controlled (2)	Hydraulic oils, fresh water, sea water, air, up to +70°C	XML A004A2S12	XML A004A2C11
	Hydraulic oils, fresh water, sea water, air, up to 160°C	XML A004B2S12	XML A004B2C11
	Corrosive fluids, up to + 160°C	XML A004C2S12	XML A004C2C11
	Viscous products, up to + 160°C (G 1¼" fluid connection)	XML A004P2S12	XML A004P2C11
Weight (kg)	0.685		0.715

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

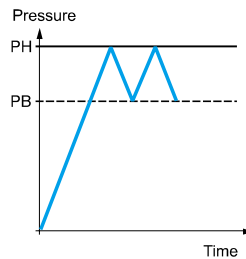
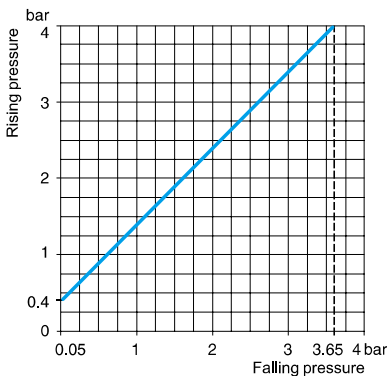
Natural differential (subtract from PH to give PB)	At low setting (3)	0.35 bar (5.07 psi)
	At high setting (3)	0.35 bar (5.07 psi)
Maximum permissible pressure	Per cycle	5 bar (72.5 psi)
	Accidental	9 bar (130.5 psi)
Destruction pressure	18 bar (261 psi)	
Mechanical life	8 x 10 ⁶ operating cycles	
Cable 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 A004A2S12** becomes **XML A004A2S11**).

(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



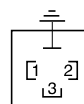
Connection

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.