

Electromechanical pressure switches

OsiSense XM, type XML

Size 70 bar (1015 psi)

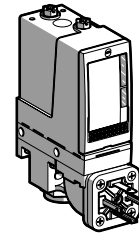
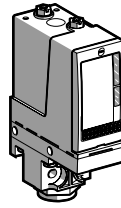
Adjustable differential, for regulation between 2 thresholds

Switches with 1 CO single-pole contact

Fluid connection G 1/4 (female)

Pressure switches type XML B

With setting scale



Adjustable range of switching point (PH) (Rising pressure)	7...70 bar (101.5...1015 psi)	
---	-------------------------------	--

Electrical connection	Terminals	DIN connector
-----------------------	-----------	---------------

References (1)

Fluids controlled (2)	Hydraulic oils, up to + 160°C	XML B070D2S12	XML B070D2C11
	Fresh water, sea water, up to + 160°C	XML B070E2S12	XML B070E2C11
	Corrosive fluids, air, up to + 160°C	XML B070N2S12	XML B070N2C11
Weight (kg)	0.715	0.745	

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

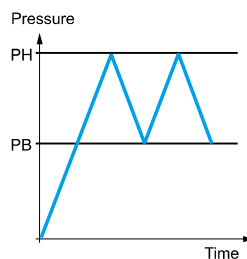
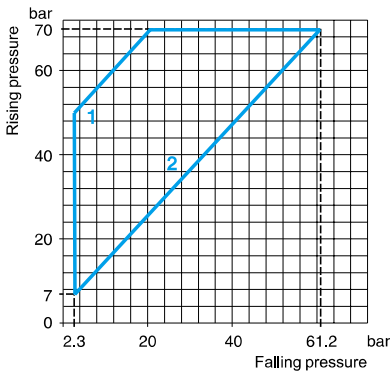
Possible differential (subtract from PH to give PB)	Min. at low setting (3)	4.7 bar (68.15 psi)
	Min. at high setting (4)	8.8 bar (127.6 psi)
	Max. at high setting	50 bar (725 psi)
Maximum permissible pressure	Per cycle	90 bar (1035 psi)
	Accidental	160 bar (2320 psi)
Destruction pressure		320 bar (4640 psi)
Mechanical life		6 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		Piston

- (1) For 1 entry tapped for n° 13 cable gland, replace S12 by S11 (example: XML B070D2S12 becomes XML B070D2S11).
- (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: - 0.4 bar, + 0.7 bar (- 5.8 psi, + 10.15 psi).
- (4) Deviation of the differential at high setting point for switches of the same size: - 0.6 bar, + 0.8 bar (- 8.7 psi, + 11.6 psi).

Operating curves

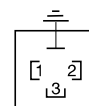
Connection

Terminal model



Connector model

Pressure switch connector pin view



- 1 → 11 and 13
- 2 → 12
- 3 → 14

- 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.