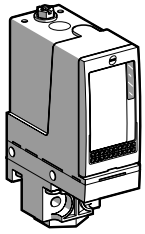
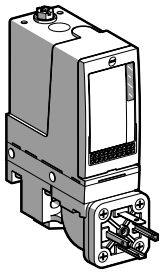
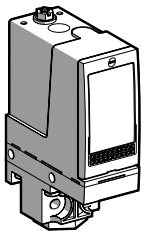
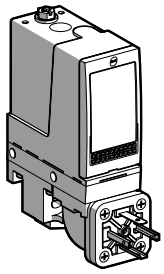
Electromechanical pressure switches - Nautilus®

Size 10 bar (145 psi). For detection of a single threshold (fixed differential)
Fluid connection 1/4" BSP female
Switches with single-pole C/O contact

Accessories : page 38
Dimensions : pages 39 to 41

References, characteristics

Pressure switches type XML-A	With setting scale		Without setting scale	
				
Adjustable range of switching point (PH) (Rising pressure)	**0.6…10 bar (8.7…145 psi)**			
Electrical connections	Terminals	DIN connector	Terminals	DIN connector

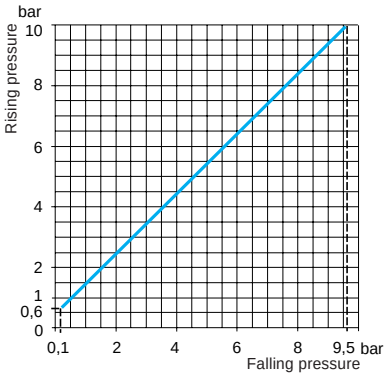
References

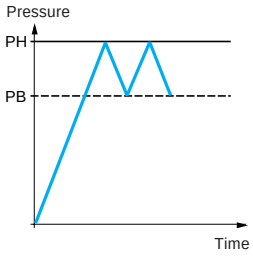
Fluids controlled (1)				
Hydraulic oils, fresh water, sea water, air, up to + 70°C	**XML-A010A2S11**	**XML-A010A2C11**	**XML-A010A1S11**	**XML-A010A1C11**
Hydraulic oils, fresh water, sea water, air, up to + 160°C	**XML-A010B2S11**	**XML-A010B2C11**	**XML-A010B1S11**	**XML-A010B1C11**
Corrosive fluids, up to + 160°C	**XML-A010C2S11**	**XML-A010C2C11**	**XML-A010C1S11**	**XML-A010C1C11**
Viscous products, up to + 70°C	**XML-A010P2S11**	**XML-A010P2C11**	**XML-A010P1S11**	**XML-A010P1C11**
Weight (kg)	0.685	0.715	0.685	0.715

Complementary characteristics not shown under general characteristics (page 11)

Natural differential (subtract from PH to give PB)	At low setting (2)	0.5 bar (7.25 psi)
	At high setting (2)	0.5 bar (7.25 psi)
Maximum permissible pressure	Per cycle	12.5 bar (181.25 psi)
	Occasional surge	22.5 bar (326.25 psi)
Destruction pressure		45 bar (326.25 psi)
Mechanical life		5 x 10^6 operating cycles
Cable entry for terminal models		1 entry tapped for n°13 cable gland, conforming to NF C 68-300 (DIN Pg 13.5). Clamping capacity : Ø 9 to 13 mm.
Connector type for connector models		DIN 43650A, 4-pin male. For suitable female connector, see page 38.
Pressure switch type		Diaphragm

Operating curves



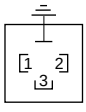


Adjustable value
Non adjustable value

Connections
Terminal model



Connector model
Switch connector pin view



1 → 11 and 13
2 → 12
3 → 14

(1) Check the compatibility of the switch for the fluid to be controlled (compatibility tables shown on pages 66 to 75).
(2) Deviation of the differential at high and low setting points for switches of the same size : ± 0.05 bar (± 0.72 psi).

Other versions Pressure switches with alternative tapped entries : ISO, NPT, etc.
Please consult your Regional customer centre.