

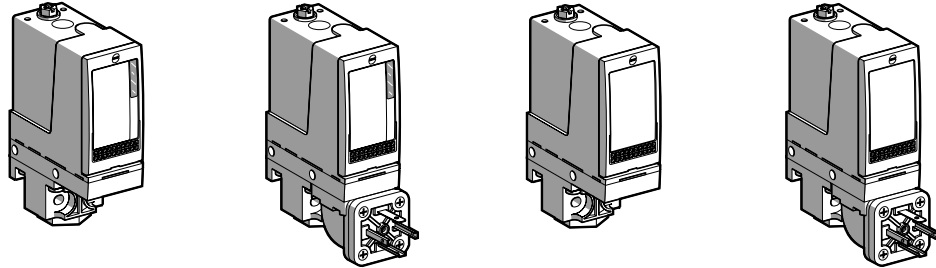
Electromechanical pressure switches - Nautilus®

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
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Adjustable range of switching point (PH) (Rising pressure)	0.6...10 bar (8.7...145 psi)			
Electrical connections	Terminals	DIN connector	Terminals	DIN connector

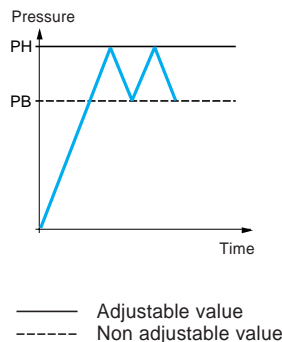
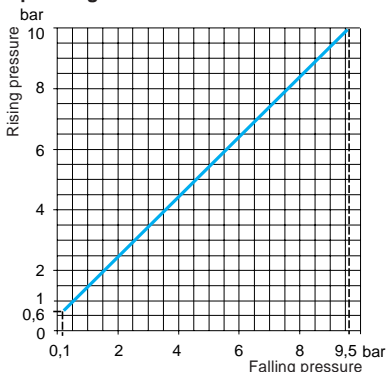
References

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 At low setting (2)	0.5 bar (7.25 psi)
(subtract from PH to give PB) 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

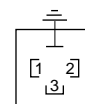


Connections

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.