

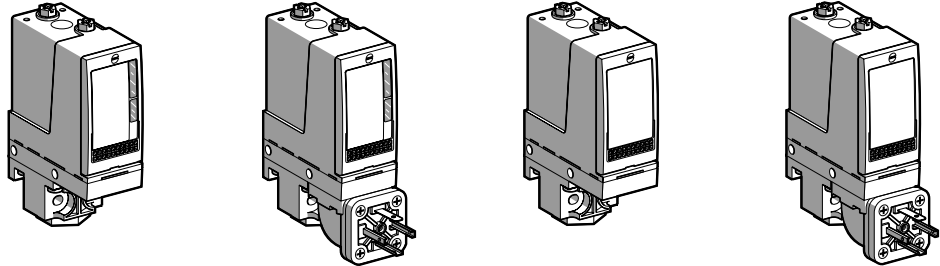
Electromechanical pressure switches - Nautilus®

Size 20 bar (290 psi). For regulation between 2 thresholds (adjustable 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-B	With setting scale	Without setting scale
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Adjustable range of switching point (PH) (Rising pressure)	1.3...20 bar (18.9...290 psi)			
Electrical connections	Terminals	DIN connector	Terminals	DIN connector

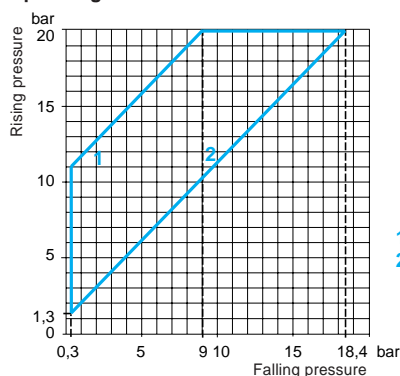
References

Fluids controlled (1)				
Hydraulic oils, fresh water, sea water, air, up to + 70°C	XML-B020A2S11	XML-B020A2C11	XML-B020A1S11	XML-B020A1C11
Hydraulic oils, fresh water, sea water, air, up to + 160°C	XML-B020B2S11	XML-B020B2C11	XML-B020B1S11	XML-B020B1C11
Corrosive fluids, up to + 160°C	XML-B020C2S11	XML-B020C2C11	XML-B020C1S11	XML-B020C1C11
Viscous products, up to + 70°C	XML-B020P2S11	XML-B020P2C11	XML-B020P1S11	XML-B020P1C11
Weight (kg)	0.705	0.735	0.705	0.735

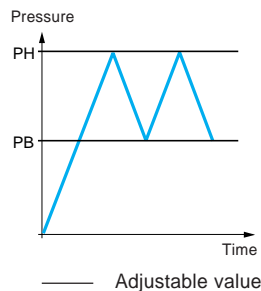
Complementary characteristics not shown under general characteristics (page 11)

Possible differential (subtract from PH to give PB)	Min. at low setting (2)	1 bar (14.5 psi)
	Min. at high setting (2)	1.60 bar (23.20 psi)
	Max. at high setting	11 bar (159.5 psi)
Maximum permissible pressure	Per cycle	25 bar (362.5 psi)
	Occasional surge	45 bar (652.5 psi)
Destruction pressure		90 bar (1305 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



- 1 Maximum differential
- 2 Minimum differential



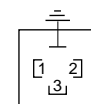
Connections

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 : ± 0.25 bar (± 3.63 psi).

Other versions

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