

Electromechanical pressure switches

OsiSense XMP, IP 54
Size 12 bar (174 psi)
Adjustable differential, for regulation between 2 thresholds
Switches with 2-pole 2 NC or 3-pole 3 NC contact

Fluid connection	G 1/4 (female)	
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Adjustable range of switching point (PH) (Rising pressure)	1.3...12 bar (18.85...174 psi)	
Type of contact	2-pole 2 NC	3-pole 3 NC

References (1)

Switches without decompression valve

Bare case 1	XMPA12B2131	XMPA12C2131
Case with reset knob 2	XMPB12B2131	–
Case with On/Off knob 2	XMPC12B2131	XMPC12C2131
Weight (kg)	0.430	

Switches with straight decompression valve, instant connection

Bare case 1	XMPD12B2131	XMPD12C2131
Case with On/Off knob 2	XMPE12B2131	XMPE12C2131
Weight (kg)	0.450	

Switches with straight decompression valve, olive connection

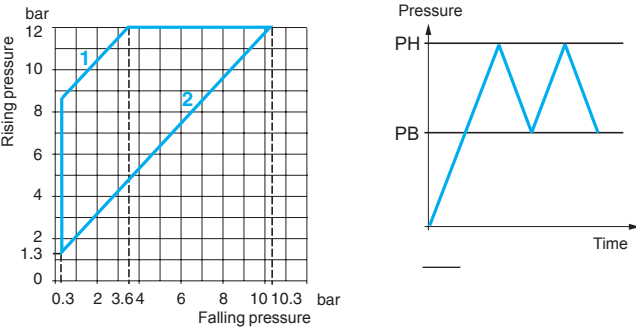
Case with On/Off knob 2	XMPR12B2131	XMPR12C2131
Weight (kg)	0.450	

Complementary characteristics not shown under general characteristics (page 95)

Possible differential (subtract from PH to give PB)	Min. at low setting	1 bar (14.5 psi)
	Min. at high setting	1.7 bar (24.6 psi)
	Max. at high setting	8.4 bar (121.8 psi)
Destruction pressure	30 bar (435 psi)	
Mechanical life	1 million operating cycles	
Cable entry	2 entries tapped for n° 13 cable gland, conforming to NF C 68-300 (DIN Pg 13.5)	
Pressure switch type	Diaphragm	

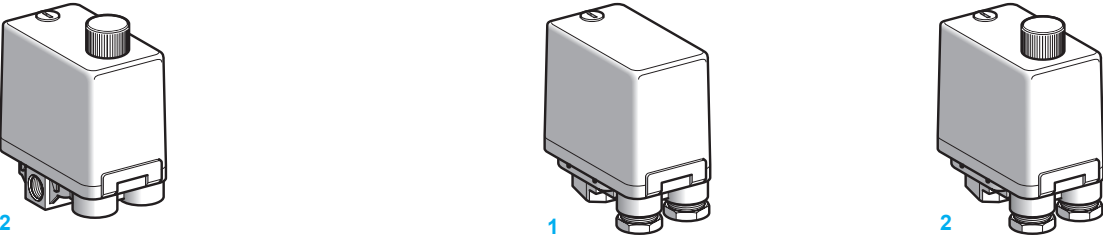
(1) References for individually packaged switches. Also available packaged in lots of 10.
To order, add the letter **C** to the reference selected from above. Example: reference for lot
of 10 pressure switches **XMPA12B2131** in one package becomes **XMPA12B2131C**.

Operating curves



- 1 Maximum differential
- 2 Minimum differential

4 x G 1/4 (female)	G 3/8 (female)		
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1.3...12 bar (18.85...174 psi)			
2-pole 2 NC	3-pole 3 NC	2-pole 2 NC	3-pole 3 NC

References

Switches without decompression valve

–	XMPA12B2242	XMPA12C2242
–	XMPB12B2242	–
XMPC12B2431	–	XMPC12C2242
0.430		

Switches with straight decompression valve, instant connection

–	XMPD12C2431	XMPD12B2242	XMPD12C2242
XMPE12B2431	XMPE12C2431	XMPE12B2242	XMPE12C2242
0.450			

Switches with straight decompression valve, olive connection

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Complementary characteristics not shown under general characteristics (page 95)

1 bar (14.5 psi)	
1.7 bar (24.6 psi)	
8.4 bar (121.8 psi)	
30 bar (435 psi)	
1 million operating cycles	
2 entries tapped for n° 13 cable gland, conforming to NF C 68-300 (DIN Pg 13.5)	2 entries incorporating n° 13 plastic cable gland (DIN Pg 13.5) Clamping capacity 9 to 13 mm
Diaphragm	

Other versions Pressure switches not listed above, comprising the equipment proposed for the choice of reference. Please consult our Customer Care Centre.

Terminal connections

