

Electromechanical pressure switches

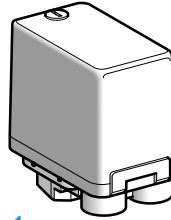
OsiSense XMP, IP 54

Size 6 bar (87 psi)

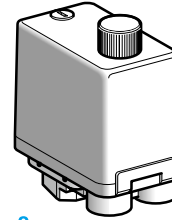
Adjustable differential, for regulation between 2 thresholds

Switches with 2-pole 2 NC or 3-pole 3 NC contact

Fluid connection **G 1/4 (female)**



1



2

Adjustable range of switching point (PH)
(Rising pressure) **1...6 bar (14.5...87 psi)**

Type of contact **2-pole 2 NC** **3-pole 3 NC**

References (1)

Switches without decompression valve

Bare case 1	XMPA06B2131	XMPA06C2131
Case with reset knob 2	XMPB06B2131	—
Case with On/Off knob 2	XMPC06B2131	XMPC06C2131
Weight (kg)	0.430	

Switches with straight decompression valve, instant connection

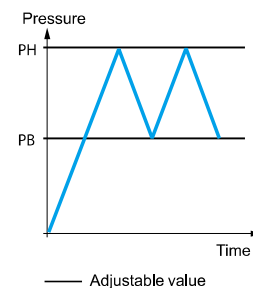
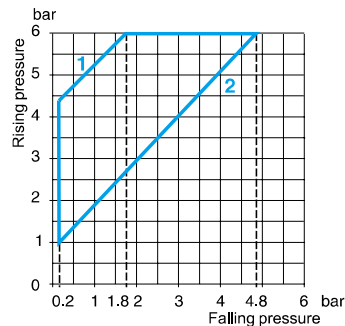
Bare case 1	XMPD06B2131	XMPD06C2131
Case with On/Off knob 2	XMPE06B2131	XMPE06C2131
Weight (kg)	0.450	

Complementary characteristics not shown under general characteristics (page 99)

Possible differential (subtract from PH to give PB)	Min. at low setting	0.8 bar (11.6 psi)
	Min. at high setting	1.2 bar (17.4 psi)
	Max. at high setting	4.2 bar (60.9 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 **XMPA06B2131** in one package becomes **XMPA06B2131C**.

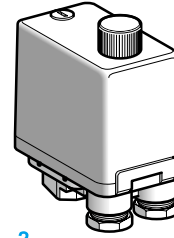
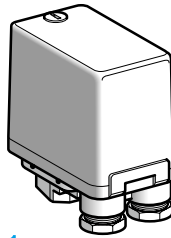
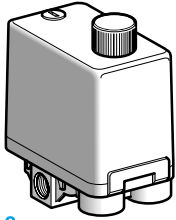
Operating curves



- 1 Maximum differential
- 2 Minimum differential

4 x G 1/4 (female)

G 3/8 (female)



1...6 bar (14.5...87 psi)

2-pole 2 NC

3-pole 3 NC

2-pole 2 NC

3-pole 3 NC

References (1)

Switches without decompression valve

-	XMPA06B2242	XMPA06C2242
-	XMPB06B2242	-
-	XMPC06B2242	XMPC06C2242
-	0.430	

Switches with straight decompression valve, instant connection

-	XMPD06B2242	XMPD06C2242
XMPE06B2431	XMPE06C2431	XMPE06B2242
0.450		

Complementary characteristics not shown under general characteristics (page 99)

0.8 bar (11.6 psi)

1.2 bar (17.4 psi)

4.2 bar (60.9 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.

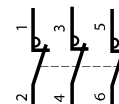
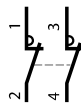
(1) References for individually packaged switches. Also available packaged in lots of 10.

To order, add the letter C to the reference selected from above. Example: reference for lot of 10 pressure switches XMPA06B2242 in one package becomes XMPA06B2242C.

Terminal connections

XMP●●●B●●●●

XMP●●●C●●●●



Electromechanical pressure switches

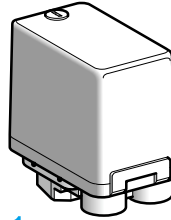
OsiSense XMP, IP 54

Size 12 bar (174 psi)

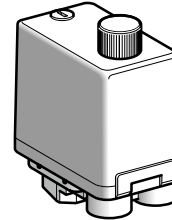
Adjustable differential, for regulation between 2 thresholds

Switches with 2-pole 2 NC or 3-pole 3 NC contact

Fluid connection G 1/4 (female)



1



2

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 99)

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)

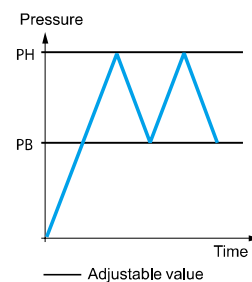
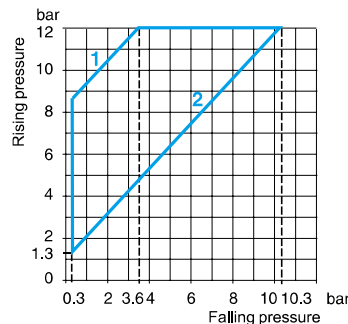
Mechanical life 1 million operating cycles

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**.

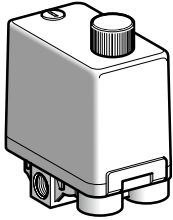
Operating curves



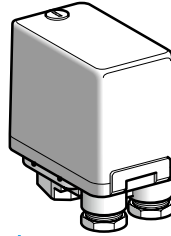
- 1 Maximum differential
- 2 Minimum differential

4 x G 1/4 (female)

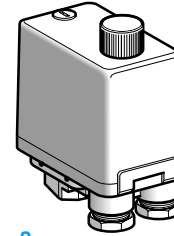
G 3/8 (female)



2



1



2

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 (1)

Switches without decompression valve

-	XMPA12B2242	XMPA12C2242
-	XMPB12B2242	-
-	XMPC12B2242	XMPC12C2242
-	0.430	

Switches with straight decompression valve, instant connection

-	XMPD12B2242	XMPD12C2242
XMPE12B2431	XMPE12C2431	XMPE12B2242

0.450

Switches with straight decompression valve, olive connection

-
-
-

Complementary characteristics not shown under general characteristics (page 99)

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.

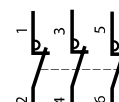
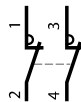
(1) References for individually packaged switches. Also available packaged in lots of 10.

To order, add the letter **C** to the reference selected from above. Example: reference for lot of 10 pressure switches **XMPA12B2242** in one package becomes **XMPA12B2242C**.

Terminal connections

XMP●●●B●●●●

XMP●●●C●●●●



Electromechanical pressure switches

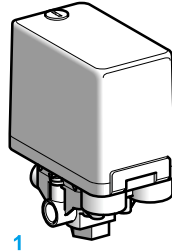
OsiSense XMP, IP 54

Size 25 bar (362.5 psi)

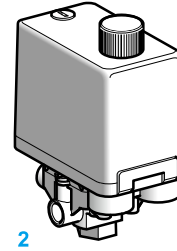
Adjustable differential, for regulation between 2 thresholds

Switches with 2-pole 2 NC or 3-pole 3 NC contact

Fluid connection G 1/4 (female)



1



2

Adjustable range of switching point (PH)
(Rising pressure) 3.5...25 bar (50.75...362.5 psi)

Type of contact 2-pole 2 NC

References (1)

Switches without decompression valve

Bare case 1 XMPA25B2131

Case with reset knob 2 XMPB25B2131

Case with On/Off knob 2 XMPC25B2131

Weight (kg) 0.650

Switches with straight decompression valve, olive connection

Case with On/Off knob 2 XMPR25B2131

Weight (kg) 0.670

Complementary characteristics not shown under general characteristics (page 99)

Possible differential (subtract from PH to give PB)	Min. at low setting	3.4 bar (49.3 psi)
	Min. at high setting	4.5 bar (65.2 psi)
	Max. at high setting	20 bar (290 psi)

Destruction pressure 100 bar (1450 psi)

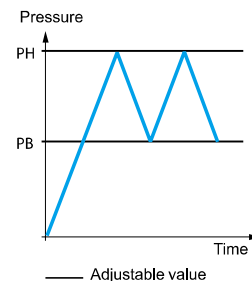
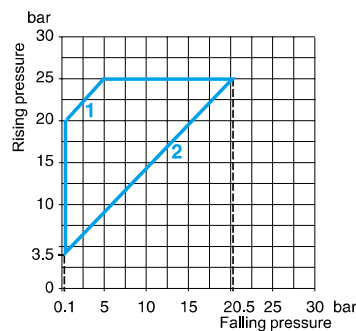
Mechanical life 1 million operating cycles

Cable entry 2 entries tapped for n° 13 cable gland, conforming to NF C 68-300 (DIN Pg 13.5)

Pressure switch type Diaphragm

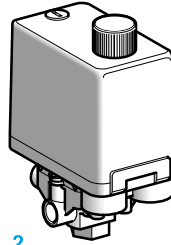
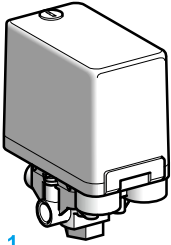
(1) References for individually packaged switches. Also available packaged in lots of 10.
To order, add the letter **C** to the reference selected from above. Example: reference for lot of 10 pressure switches **XMPA25B2131** in one package becomes **XMPA25B2131C**.

Operating curves



- 1 Maximum differential
- 2 Minimum differential

G 1/4 (female)



3.5...25 bar (50.75...362.5 psi)

3-pole 3 NC

References (1)

Switches without decompression valve

XMPA25C2131

-

XMPC25C2131

0.650

Switches with straight decompression valve, olive connection

XMPR25C2131

0.670

Complementary characteristics not shown under general characteristics (page 99)

3.4 bar (49.3 psi)

4.5 bar (65.2 psi)

20 bar (290 psi)

100 bar (1450 psi)

1 million operating cycles

2 entries tapped for n° 13 cable gland, conforming to NF C 68-300 (DIN Pg 13.5)

Diaphragm

Other versions

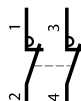
Pressure switches not listed above, comprising the equipment proposed for the choice of reference. Please consult our Customer Care Centre.

(1) References for individually packaged switches. Also available packaged in lots of 10.

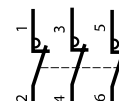
To order, add the letter C to the reference selected from above. Example: reference for lot of 10 pressure switches XMPA25C2131 in one package becomes XMPA25C2131C.

Terminal connections

XMP●●●B●●●●



XMP●●●C●●●●



Electromechanical pressure switches

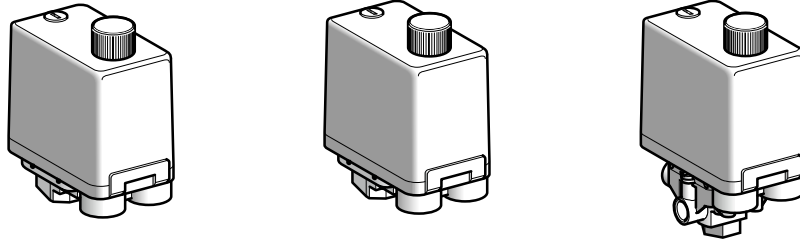
OsiSense XMP, IP 65

Sizes 6 to 25 bar (87 to 362.5 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)



Adjustable range of switching point (PH) (Rising pressure)	1...6 bar (14.5...87 psi)		1.3...12 bar (18.85...174 psi)		3.5...25 bar (50.75...362.5 psi)	
Type of contact	2-pole 2 NC	3-pole 3 NC	2-pole 2 NC	3-pole 3 NC	2-pole 2 NC	3-pole 3 NC

References (1)

Switches with straight decompression valve, olive connection

Case with On/Off knob	XMPR06B2133	XMPR06C2133	XMPR12B2133	XMPR12C2133	XMPR25B2133	XMPR25C2133
Weight (kg)	0.450				0.670	

Complementary characteristics not shown under general characteristics (page 99)

Possible differential (subtract from PH to give PB)	Min. at low setting	0.8 bar (11.6 psi)	1 bar (14.5 psi)	3.4 bar (49.3 psi)
	Min. at high setting	1.2 bar (17.4 psi)	1.7 bar (24.6 psi)	4.5 bar (65.2 psi)
	Max. at high setting	4.2 bar (60.9 psi)	8.4 bar (121.8 psi)	20 bar (290 psi)
Destruction pressure	30 bar (435 psi)			100 bar (1450 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)			
Adjustment of high setting point (PH)	By screw-nut			
Pressure switch type	Diaphragm			

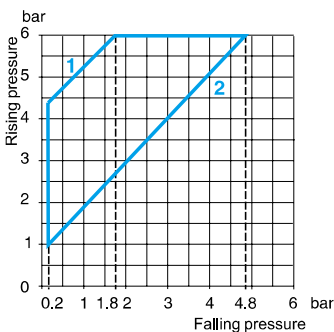
(1) References for individually packaged switches. Also available packaged in lots of 10.
To order, add the letter **C** to the reference selected from above. Example: reference for lot of 10 pressure switches **XMPR06B2133** in one package becomes **XMPR06B2133C**.

Operating curves

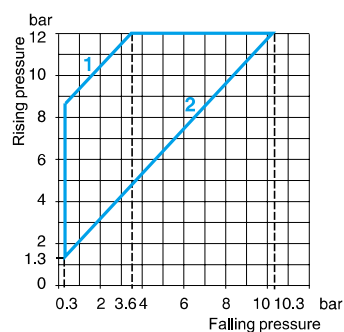
XMPR06●●●●●

XMPR12●●●●●

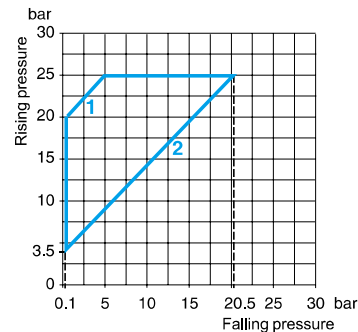
XMPR25●●●●●



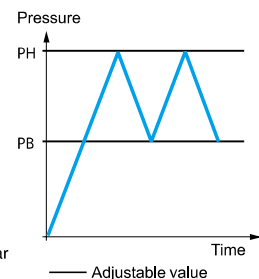
- 1 Maximum differential
- 2 Minimum differential



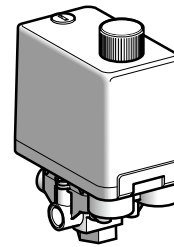
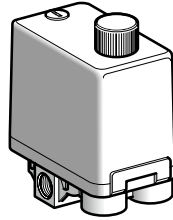
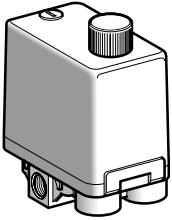
- 1 Maximum differential
- 2 Minimum differential



- 1 Maximum differential
- 2 Minimum differential



4 x G 1/4 (female)



1...6 bar (14.5...87 psi)		1.3...12 bar (18.85...174 psi)		3.5...25 bar (50.75...362.5 psi)	
2-pole 2 NC	3-pole 3 NC	2-pole 2 NC	3-pole 3 NC	2-pole 2 NC	3-pole 3 NC

References (1)

Switches with straight decompression valve, olive connection

XMPR06B2433	XMPR06C2433	XMPR12B2433	XMPR12C2433	XMPR25B2433	XMPR25C2433
0.450				0.670	

Complementary characteristics not shown under general characteristics (page 99)

0.8 bar (11.6 psi)	1 bar (14.5 psi)	3.4 bar (49.3 psi)
1.2 bar (17.4 psi)	1.7 bar (24.6 psi)	4.5 bar (65.2 psi)
4.2 bar (60.9 psi)	8.4 bar (121.8 psi)	20 bar (290 psi)
30 bar (435 psi)	100 bar (1450 psi)	
1 million operating cycles		
2 entries tapped for n° 13 cable gland, conforming to NF C 68-300 (DIN Pg 13.5)		
By screw-nut		
Diaphragm		

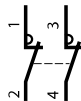
Other versions

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

(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 **XMPR06B2433** in one package becomes **XMPR06B2433C**.

Terminal connections

XMP●●●B●●●●



XMP●●●C●●●●

