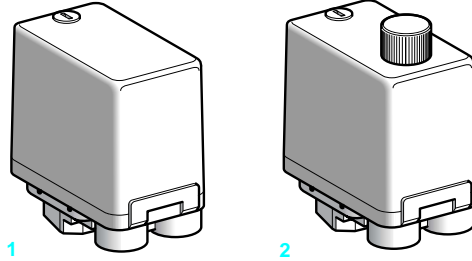


# Electromechanical pressure switches

Type XMP, IP 54  
Size 6 bar (87 psi)  
Adjustable differential, for regulation between 2 thresholds  
Switches with 2-pole 2 N/C or 3-pole 3 N/C contact

Fluid connection G 1/4 (BSP female)



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

Type of contact 2-pole 2 N/C 3-pole 3 N/C

## References (1)

### Switches without decompression valve

Bare case 1	XMP-A06B2131	XMP-A06C2131
Case with reset knob 2	XMP-B06B2131	—
Case with On/Off knob 2	XMP-C06B2131	XMP-C06C2131
Weight (kg)	0.430	0.430

### Switches with straight decompression valve, instant connection

Bare case 1	XMP-D06B2131	XMP-D06C2131
Case with On/Off knob 2	XMP-E06B2131	XMP-E06C2131
Weight (kg)	0.450	0.450

## Complementary characteristics not shown under general characteristics (page 30395/3)

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)

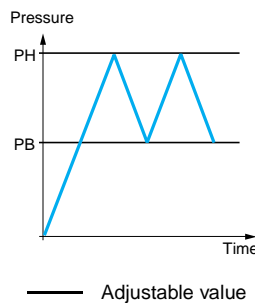
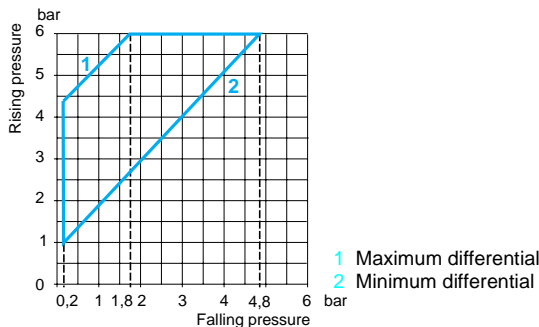
Destruction pressure 30 bar (435 psi)

Mechanical durability 1 million operating cycles

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

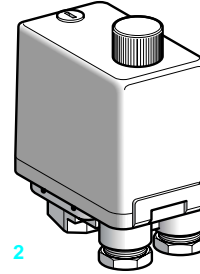
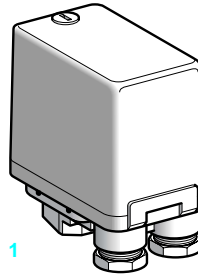
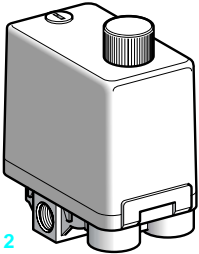
Pressure switch type Diaphragm

### Operating curves



4 x G 1/4 (BSP female)

G 3/8 (BSP female)



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

2-pole 2 N/C

3-pole 3 N/C

2-pole 2 N/C

3-pole 3 N/C

Switches without decompression valve

–	–	<b>XMP-A06B2242</b>	<b>XMP-A06C2242</b>
–	–	<b>XMP-B06B2242</b>	–
–	–	<b>XMP-C06B2242</b>	<b>XMP-C06C2242</b>
–	–	0.430	0.430

Switches with straight decompression valve, instant connection

–	–	<b>XMP-D06B2242</b>	<b>XMP-D06C2242</b>
<b>XMP-E06B2431</b>	<b>XMP-E06C2431</b>	<b>XMP-E06B2242</b>	<b>XMP-E06C2242</b>
0.450	0.450	0.450	0.450

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 : Ø 9 to 13 mm

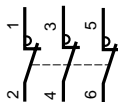
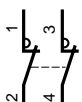
Diaphragm

Diaphragm

Terminal connections

**XMP-●●●B●●●●**

**XMP-●●●C●●●●**



(1) References for individually packaged switches. Also available packaged in lots of 10, to order : add the suffix **C** to the reference selected from above.  
Example : reference for lot of 10 **XMP-A06B2131** pressure switches in one package becomes **XMP-A06B2131C**.

Other versions

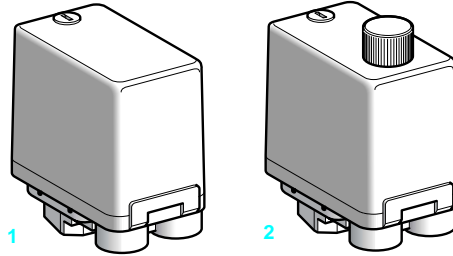
Pressure switches not listed above, comprising the equipment proposed for the choice of reference.  
Please consult your Regional Sales Office.

# Electromechanical pressure switches

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

Fluid connection

G 1/4 (BSP female)



Adjustable range of switching point (PH) (Rising pressure)

1.3...12 bar (18.85...174 psi)

Type of contact

2-pole 2 N/C

3-pole 3 N/C

## References (1)

### Switches without decompression valve

Bare case 1	XMP-A12B2131	XMP-A12C2131
Case with reset knob 2	XMP-B12B2131	—
Case with On/Off knob 2	XMP-C12B2131	XMP-C12C2131
Weight (kg)	0.430	0.430

### Switches with straight decompression valve, instant connection

Bare case 1	XMP-D12B2131	XMP-D12C2131
Case with On/Off knob 2	XMP-E12B2131	XMP-E12C2131
Weight (kg)	0.450	0.450

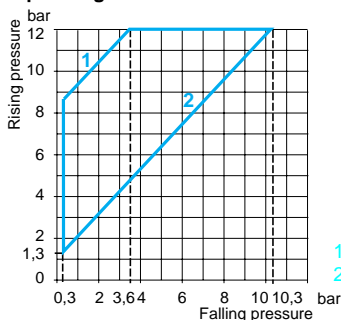
### Switches with straight decompression valve, olive connection

Case with On/Off knob 2	XMP-R12B2131	XMP-R12C2131
Weight (kg)	0.450	0.450

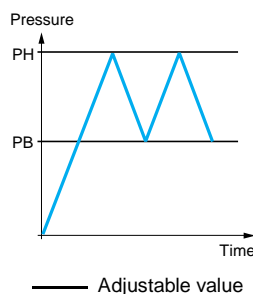
## Complementary characteristics not shown under general characteristics (page 30395/3)

<b>Possible differential</b> (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)
<b>Destruction pressure</b>	30 bar (435 psi)	
<b>Mechanical durability</b>	1 million operating cycles	
<b>Cable entry</b>	2 entries tapped for n° 13 cable gland, conforming to NF C 68-300 (DIN Pg 13.5)	
<b>Pressure switch type</b>	Diaphragm	

### Operating curves

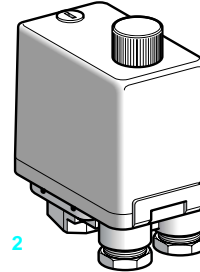
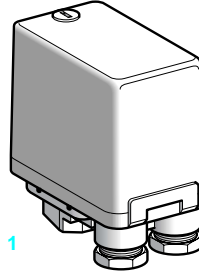
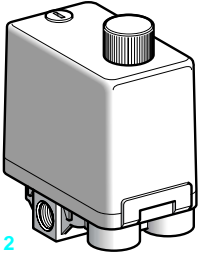


1 Maximum differential  
2 Minimum differential



4 x G 1/4 (BSP female)

G 3/8 (BSP female)



1.3...12 bar (18.85...174 psi)

2-pole 2 N/C

3-pole 3 N/C

2-pole 2 N/C

3-pole 3 N/C

**Switches without decompression valve**

–	–	<b>XMP-A12B2242</b>	<b>XMP-A12C2242</b>
–	–	<b>XMP-B12B2242</b>	–
–	–	<b>XMP-C12B2242</b>	<b>XMP-C12C2242</b>
–	–	0.430	0.430

**Switches with straight decompression valve, instant connection**

–	–	<b>XMP-D12B2242</b>	<b>XMP-D12C2242</b>
<b>XMP-E12B2431</b>	<b>XMP-E12C2431</b>	<b>XMP-C12B2242</b>	<b>XMP-C12C2242</b>
0.450	0.450	0.450	0.450

**Switches with straight decompression valve, olive connection**

–	–	–	–
–	–	–	–

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 : Ø 9 to 13 mm

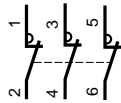
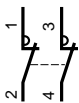
Diaphragm

Diaphragm

**Terminal connections**

**XMP-●●●B●●●●**

**XMP-●●●C●●●●**



(1) References for individually packaged switches. Also available packaged in lots of 10, to order : add the suffix **C** to the reference selected from above.  
Example : reference for lot of 10 **XMP-A12B2131** pressure switches in one package becomes **XMP-A12B2131C**.

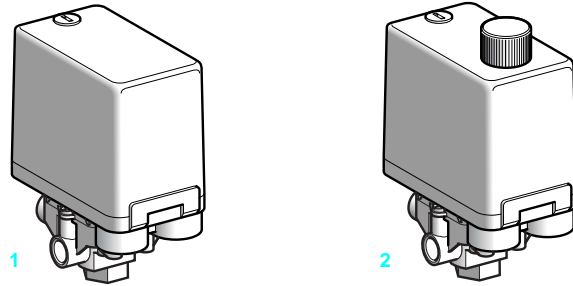
**Other versions**

Pressure switches not listed above, comprising the equipment proposed for the choice of reference.  
Please consult your Regional Sales Office.

# Electromechanical pressure switches

Type XMP, IP 54  
Size 25 bar (362.5 psi)  
Adjustable differential, for regulation between 2 thresholds  
Switches with 2-pole 2 N/C or 3-pole 3 N/C contact

Fluid connection	G 1/4 (BSP female)
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Adjustable range of switching point (PH) (Rising pressure)	3.5...25 bar (50.75...362.5 psi)
--	----------------------------------

Type of contact	2-pole 2 N/C
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## References (1)

### Switches without decompression valve

Bare case 1	XMP-A25B2131
Case with reset knob 2	XMP-B25B2131
Case with On/Off knob 2	XMP-C25B2131
Weight (kg)	0.650

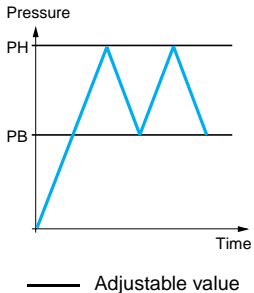
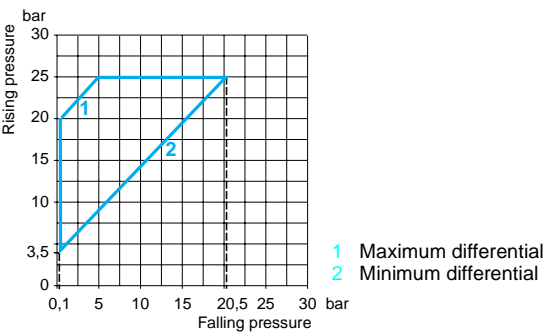
### Switches with straight decompression valve, olive connection

Case with On/Off knob 2	XMP-R25B2131
Weight (kg)	0.670

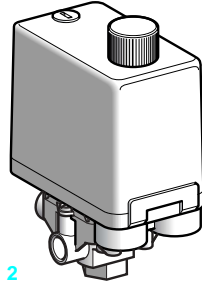
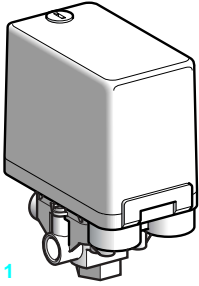
## Complementary characteristics not shown under general characteristics (page 30395/3)

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 durability	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	

### Operating curves



G 1/4 (BSP female)



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

3-pole 3 N/C

**Switches without decompression valve**

**XMP-A25C2131**

–

**XMP-C25C2131**

0.650

**Switches with straight decompression valve, olive connection**

**XMP-R25C2131**

0.670

3.4 bar (49.3 psi)

4.5 bar (65.2 psi)

20 bar (290 psi)

100 bar (1450 psi)

1 million operating cycles

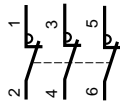
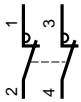
2 entries tapped for n° 13 cable gland, conforming to NF C 68-300 (DIN Pg 13.5)

Diaphragm

**Terminal connections**

**XMP-●●●B●●●●**

**XMP-●●●C●●●●**



(1) References for individually packaged switches. Also available packaged in lots of 10, to order : add the suffix **C** to the reference selected from above.  
Example : reference for lot of 10 **XMP-A25B2131** pressure switches in one package becomes **XMP-A25B2131C**.

**Other versions**

Pressure switches not listed above, comprising the equipment proposed for the choice of reference.  
Please consult your Regional Sales Office.

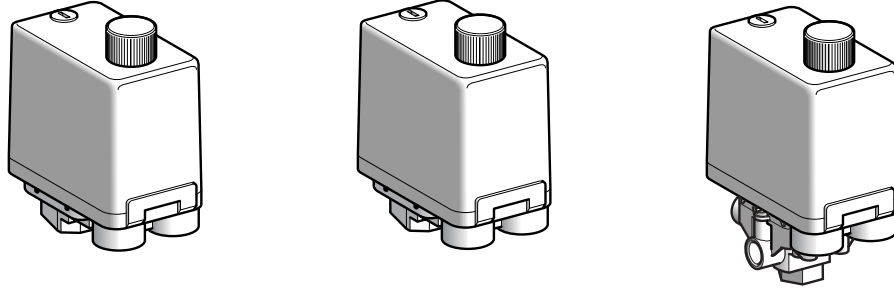
References,  
characteristics (continued)

# Electromechanical pressure switches

Type 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 N/C or 3-pole 3 N/C contact

Fluid connection

G 1/4 (BSP female)



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

References (1)

Switches with straight decompression valve, olive connection

Case with On/Off knob	XMP-R06B2133	XMP-R06C2133	XMP-R12B2133	XMP-R12C2133	XMP-R25B2133	XMP-R25C2133
Weight (kg)	0.450	0.450	0.450	0.450	0.670	0.670

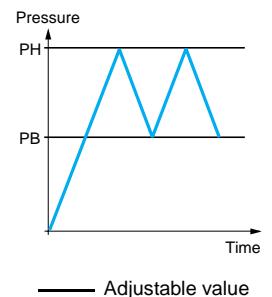
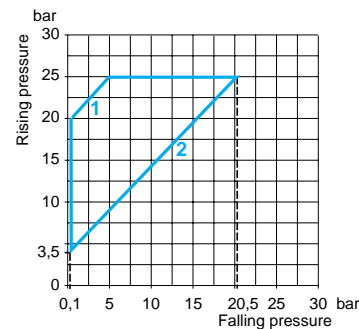
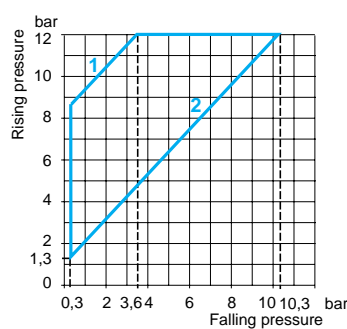
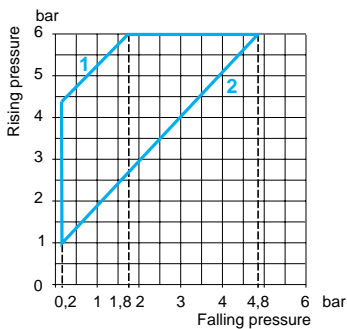
Complementary characteristics not shown under general characteristics (page 30395/3)

<b>Possible differential</b> (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)	
<b>Destruction pressure</b>	30 bar (435 psi)		30 bar (435 psi)	100 bar (1450 psi)	
<b>Mechanical durability</b>	1 million operating cycles				
<b>Cable entry</b>	2 entries tapped for n° 13 cable gland, conforming to NF C 68-300 (DIN Pg 13.5)				
<b>Adjustment of high setting point (PH)</b>	By screw-nut				
<b>Pressure switch type</b>	Diaphragm				

Operating curves  
 XMP-R06●●●●●

XMP-R12●●●●●

XMP-R25●●●●●



- 1 Maximum differential
- 2 Minimum differential

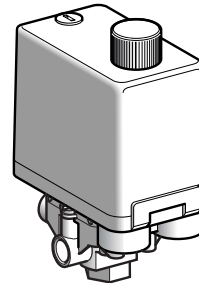
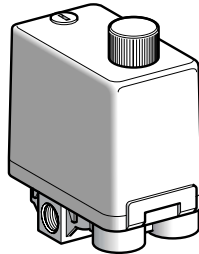
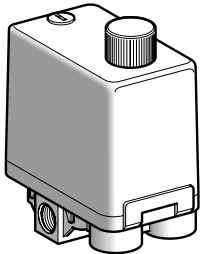
- 1 Maximum differential
- 2 Minimum differential

- 1 Maximum differential
- 2 Minimum differential

Accessories :  
 page 30399/2

Dimensions :  
 page 30399/3

4 x G 1/4 (BSP 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 N/C	3-pole 3 N/C	2-pole 2 N/C	3-pole 3 N/C	2-pole 2 N/C	3-pole 3 N/C

Switches with straight decompression valve, olive connection

XMP-R06B2433	XMP-R06C2433	XMP-R12B2433	XMP-R12C2433	XMP-R25B2433	XMP-R25C2433
0.450	0.450	0.450	0.450	0.670	0.670

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)	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)

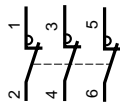
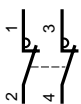
By screw-nut

Diaphragm

Terminal connections

XMP-●●●B●●●●

XMP-●●●C●●●●



(1) References for individually packaged switches. Also available packaged in lots of 10, to order : add the suffix **C** to the reference selected from above. Example : reference for lot of 10 **XMP-R06B2133** pressure switches in one package becomes **XMP-R06B2133C**.

Other versions

Pressure switches not listed above, comprising the equipment proposed for the choice of reference. Please consult your Regional Sales Office.