

0186/0187

Diaphragm/piston pressure switches 250 V

Stainless steel (1.4305) body

With changeover switch and silver contacts

Max. voltage 250 V, overpressure safe to 300/600 bar ¹⁾

Adjustable hysteresis at works

- See page 7 for electrical properties



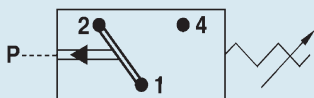
With male thread



- Also available with switching point preset in our works.
- For ready-wired variants, see page 34 onwards.
- Other body materials and connection threads on request.
- Other diaphragm / seal materials on request, e.g. HNBR, silicone (last one for diaphragm type only).



- Accessories: see page 21



- For further technical data, see page 23.

0186 Diaphragm pressure switches with spade terminals

Adjustment range in bar	Tolerance in bar (at room temperature)	Thread	Order number	p _{max.} in bar
0.5 – 5	± 0.2	G 1/4	0186 457 03 003	300 ¹⁾
1 – 10	± 0.5		0186 458 03 006	
10 – 50	± 3.0		0186 459 03 009	
10 – 100	± 3.0 – 5.0		0186 461 03 012	

0187 Piston pressure switches with spade terminals

Adjustment range in bar	Tolerance in bar (at room temperature)	Thread	Order number	p _{max.} in bar
50 – 200	± 5.0	G 1/4	0187 460 03 003	600 ¹⁾

! Order number **018X** XXX XX **X** XXX
! Add figure for diaphragm/seal material

NBR	Hydraulic / machine oil, turpentine, heating oil, air etc.	=	1
EPDM	Water, brake fluid, ozone, acetylene, hydrogen etc.	=	2
FKM	Hydraulic fluids (HFA, HFB, HFC, HFD), petrol/gasoline etc.	=	3
See page 23 for temperature ranges of diaphragm/seal materials			

Warning!

When using with oxygen, the relevant accident-prevention regulations must be observed. In addition, we recommend that a maximum operating pressure of 50 bar is not exceeded.

Piston-type pressure switches are only to a limited extent suitable for use with gases and oxygen. See explanation on page 5.

¹⁾ Static pressure, dynamic pressures should be 30 to 50% lower. These values refer to the hydraulic or pneumatic part of the pressure switch.

Degree of protection IP65

The type approval does not apply without restriction to all environmental conditions. It is the responsibility of the user to check whether the connection complies with regulations other than those stated, and whether it can be used for special applications which could not be foreseen by us in advance.