

0184/0185

Diaphragm/piston pressure switches 250 V

Zinc-plated steel body (CrVI-free)

With connector plug to DIN EN 175301 (DIN 43650)

With changeover switch and silver contacts

Overpressure safe to 100/300/600 bar¹⁾, adjustable hysteresis at work

- See page 7 for electrical properties



With male thread



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



Connector plug with indicator light is also available.



- For further technical data, see page 23.

0184 Diaphragm pressure switches

Adjustment range in bar	Tolerance in bar (at room temperature)	Thread	Order number	p _{max.} in bar
0.3 – 1.5	± 0.2	M 10x1 taper	0184 457 01 001	100 ¹⁾
		M 12x1.5	0184 457 02 002	
		G 1/4	0184 457 03 003	
1 – 10	± 0.5	M 10x1 taper	0184 458 01 040	300 ¹⁾
		M 12x1.5	0184 458 02 041	
		G 1/4	0184 458 03 042	
10 – 50	± 3.0	M 10x1 taper	0184 459 01 007	300 ¹⁾
		M 12x1.5	0184 459 02 008	
		G 1/4	0184 459 03 009	
10 – 100	± 3.0 – 5.0	M 10x1 taper	0184 461 01 010	300 ¹⁾
		M 12x1.5	0184 461 02 011	
		G 1/4	0184 461 03 012	

0185 Piston pressure switches

Adjustment range in bar	Tolerance in bar (at room temperature)	Thread	Order number	p _{max.} in bar
50 – 200	± 5.0	M 10x1 taper	0185 460 01 001	600 ¹⁾
		M 12x1.5	0185 460 02 002	
		G 1/4	0185 460 03 003	

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

NBR	Hydraulic / machine oil, turpentine, heating oil, air etc.	=	1
EPDM	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 10 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.