

0184/0185

Diaphragm / piston pressure switches 250 V

- Zinc-plated steel body (CrVI-free)
- With connector similar to DIN EN 175301 (DIN 43650)
- With snap action switch and silver contacts
- Overpressure safe up to: 1,450 / 4,350psi (100 / 300 bar) diaphragm type ¹⁾
8,700psi (600 bar) piston type ¹⁾
- Adjustable differential at factory

0184 Diaphragm pressure switch

P max. in psi (bar)	Adjustment range in psi (bar)	Tolerance in psi (bar) (at room temperature)	Thread	Order number:		
1,450psi (100 bar) ¹⁾	4.35 – 21.75psi (0.3 – 1.5 bar)	±2.9psi (± 0.2 bar)	M 10x1 taper	0184	457 01	001
			1/4" BSPP	0184	457 03	003
			NPT 1/8	0184	457 04	318
			NPT 1/4	0184	457 09	314
			7/16-20 UNF	0184	457 20	301
			9/16-18 UNF	0184	457 21	302
4,350psi (300 bar) ¹⁾	14.5 – 145psi (1 – 10 bar)	±7.25psi (± 0.5 bar)	M 10x1 taper	0184	458 01	040
			1/4" BSPP	0184	458 03	042
			NPT 1/8	0184	458 04	343
			NPT 1/4	0184	458 09	340
			7/16-20 UNF	0184	458 20	341
			9/16-18 UNF	0184	458 21	342
	145 – 725psi (10 – 50 bar)	±43.5psi (± 3 bar)	M 10x1 taper	0184	459 01	007
			1/4" BSPP	0184	459 03	009
			NPT 1/8	0184	459 04	320
			NPT 1/4	0184	459 09	311
			7/16-20 UNF	0184	459 20	305
			9/16-18 UNF	0184	459 21	306
145 – 1,450psi (10 – 100 bar)	±43.5 – 72.5psi (± 3 – 5 bar)	M 10x1 taper	0184	461 01	010	
		1/4" BSPP	0184	461 03	012	
		NPT 1/8	0184	461 04	321	
		NPT 1/4	0184	461 09	312	
		7/16-20 UNF	0184	461 20	307	
		9/16-18 UNF	0184	461 21	308	

0185 Piston pressure switch

8,700psi (600 bar) ¹⁾	725 – 2,900psi (50 – 200 bar)	±72.5psi (± 5 bar)	M 10x1 taper	0185	460 01	001
			1/4" BSPP	0185	460 03	003
			NPT 1/8	0185	460 04	304
			NPT 1/4	0185	460 09	303
			7/16-20 UNF	0185	460 20	301
			9/16-18 UNF	0185	460 21	302

Diaphragm / seal material – areas of application

NBR (BunaN)	Hydraulic / machine oil, heating oil, air, nitrogen etc.	1
EPDM	Brake fluid, ozone, acetylene, hydrogen etc.	2
FKM (Viton®)	Hydraulic fluids (HFA, HFB, HFD), petrol/gasoline etc.	3

Temperature ranges of diaphragm / seal materials see page 26

Order number: 018X - XXX XX - X - XXX

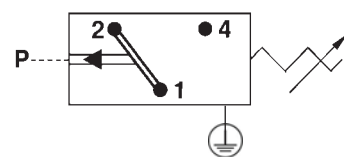
Piston pressure switches are only to a limited extent suitable for use with gases.
See explanation on page 9.



With male thread



- All pressure switches can be factory preset upon request.
- Ready-wired versions can be found starting on page 38-41.
- We offer other body materials and connecting threads upon request.
- Other diaphragm- / seal materials are available on request, e.g. HNBR or silicone for diaphragm pressure switches.
- For further technical data see page 26/27.



Accessories see page 28

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