

- Zinc-plated steel body (CrVI-free)
- With changeover switch and silver contacts
- Overpressure safe up to 100 / 300 / 600 bar ¹⁾
- Hysteresis adjustable at works

p _{max.} in bar	Adjustment range in bar	Tolerance at room temperature	Thread	Order number:
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0180 Diaphragm pressure switch with spade terminals

100 ¹⁾	0.3 – 1.5	± 0.2	M 10x1 con.	0180	457	01	X	001
			M 12x1.5	0180	457	02	X	002
			G 1/4	0180	457	03	X	003
			NPT 1/8	0180	457	04	X	318
			NPT 1/4	0180	457	09	X	314
			7/16-20 UNF	0180	457	20	X	301
			9/16-18 UNF	0180	457	21	X	302

	1 – 10	± 0.5	M 10x1 con.	0180	458	01	X	040
			M 12x1.5	0180	458	02	X	041
			G 1/4	0180	458	03	X	042
			NPT 1/8	0180	458	04	X	343
			NPT 1/4	0180	458	09	X	340
			7/16-20 UNF	0180	458	20	X	341
			9/16-18 UNF	0180	458	21	X	342

300 ¹⁾	10 – 50	± 3.0	M 10x1 con.	0180	459	01	X	007
			M 12x1.5	0180	459	02	X	008
			G 1/4	0180	459	03	X	009
			NPT 1/8	0180	459	04	X	320
			NPT 1/4	0180	459	09	X	311
			7/16-20 UNF	0180	459	20	X	305
			9/16-18 UNF	0180	459	21	X	306

	10 – 100	± 3.0 – 5.0	M 10x1 con.	0180	461	01	X	010
			M 12x1.5	0180	461	02	X	011
			G 1/4	0180	461	03	X	012
			NPT 1/8	0180	461	04	X	321
			NPT 1/4	0180	461	09	X	312
			7/16-20 UNF	0180	461	20	X	307
			9/16-18 UNF	0180	461	21	X	308

0181 Piston pressure switch with spade terminals

600 ¹⁾	50 – 200	± 5.0	M 10x1 con.	0181	460	01	X	001
			M 12x1.5	0181	460	02	X	002
			G 1/4	0181	460	03	X	003
			NPT 1/8	0181	460	04	X	304
			NPT 1/4	0181	460	09	X	303
			7/16-20 UNF	0181	460	20	X	301
			9/16-18 UNF	0181	460	21	X	302

Diaphragm / seal material – areas of application

NBR	Hydraulic / machine oil, heating oil, air, nitrogen etc.	1
EPDM	Brake fluid, ozone, acetylene, hydrogen etc.	2
FKM	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
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Piston pressure switches are only to a limited extent suitable for use with gases.
See explanation on page 9.

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

**With male thread**

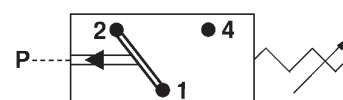
■ Our pressure switches are also available with factory preset switching points.

■ Ready-wired versions can be found starting on page 38 following.

■ 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