

0180 / 0181

Diaphragm / piston pressure switches up to 250 V

- Zinc-plated steel (CrVI-free)
- Changeover with silver contacts
- Overpressure safety up to 100 / 300 / 600 bar¹⁾
- Hysteresis adjustable at factory

p _{max.} in bar	Adjustment range in bar	Tolerance in bar at room temperature	Male thread	Order number
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0180 Diaphragm pressure switches with spade terminal

100 ¹⁾	0.3 – 1.5	± 0.2	G 1/4	0180 – 457 03 – X – 003
			M 10x1 con.	0180 – 457 01 – X – 001
			M 12x1.5 cyl.	0180 – 457 02 – X – 002
			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
300 ¹⁾	1 – 10	± 0.5	G 1/4	0180 – 458 03 – X – 042
			M 10x1 con.	0180 – 458 01 – X – 040
			M 12x1.5 cyl.	0180 – 458 02 – X – 041
			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
	10 – 50	± 3.0	G 1/4	0180 – 459 03 – X – 009
			M 10x1 con.	0180 – 459 01 – X – 007
			M 12x1.5 cyl.	0180 – 459 02 – X – 008
			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	G 1/4	0180 – 461 03 – X – 012
			M 10x1 con.	0180 – 461 01 – X – 010
			M 12x1.5 cyl.	0180 – 461 02 – X – 011
			NPT 1/8	0180 – 461 04 – X – 321
			NPT 1/4	0180 – 461 09 – X – 317
			7/16-20 UNF	0180 – 461 20 – X – 307
			9/16-18 UNF	0180 – 461 21 – X – 308

0181 Piston pressure switches with spade terminal

600 ¹⁾	50 – 200	± 5.0	G 1/4	0181 – 460 03 – X – 003
			M 10x1 con.	0181 – 460 01 – X – 001
			M 12x1.5 cyl.	0181 – 460 02 – X – 002
			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

Seal material – Application areas

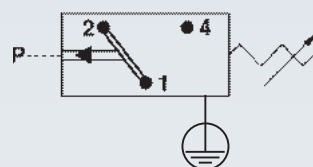
NBR	Hydraulic/machine oil, heating oil, air, nitrogen, etc.	1
EPDM	Brake fluid, hydrogen, oxygen, acetylene, etc.	2
FKM	Hydraulic fluids (HFA, HFB, HFD), petrol/gasoline, etc.	3
HNBR	Hydraulic/machine oil, ester-based bio-oils	9

Refer to page 53 for the temperature range and application thresholds of sealing materials.

Your order number: 018X – XXX XX – X – XXX

M.4

hex 27



¹⁾ Static value. Dynamic value is 30-50 % lower. Values pertain to the hydraulic/pneumatic part of the pressure switch.