



Socket device included in the delivery



0194

Diaphragm pressure switches up to 24 V with gold contacts

- Made of zinc-plated steel (CrVI-free)
- Socket device similar to DIN EN 175301 (DIN 43650)
- Snap action with gold contacts
- Overpressure safety up to 1,450 / 4,350 psi (100 / 300 bar)¹⁾
- Differential adjustable at factory

p _{max.} in psi (bar)	Adjustment range in psi (bar)	Tolerance in psi (bar) at room temperature	Male thread	Order number
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0194 Diaphragm pressure switches

1,450 psi ¹⁾ (100 bar) ¹⁾	4.35- 21.75 psi (0.3 - 1.5 bar)	± 2.90 psi (± 0.2 bar)	M 10x1 taper	0194 - 457 01 - X - 001
			1/4" BSPP	0194 - 457 03 - X - 003
			1/8" NPT	0194 - 457 04 - X - 318
			1/4" NPT	0194 - 457 09 - X - 314
			7/16-20 UNF	0194 - 457 20 - X - 301
			9/16-18 UNF	0194 - 457 21 - X - 302
	14.5 - 145 psi (1 - 10bar)	± 7.25 psi (± 0.5 bar)	M 10x1 taper	0194 - 458 01 - X - 040
			1/4" BSPP	0194 - 458 03 - X - 042
			1/8" NPT	0194 - 458 04 - X - 343
			1/4" NPT	0194 - 458 09 - X - 340
			7/16-20 UNF	0194 - 458 20 - X - 341
			9/16-18 UNF	0194 - 458 21 - X - 342
4,350 psi ¹⁾ (300 bar) ¹⁾	145 - 725psi (10 - 50 bar)	± 43.5 psi (± 3.0 bar)	M 10x1 taper	0194 - 459 01 - X - 007
			1/4" BSPP	0194 - 459 03 - X - 009
			1/8" NPT	0194 - 459 04 - X - 320
			1/4" NPT	0194 - 459 09 - X - 311
			7/16-20 UNF	0194 - 459 20 - X - 305
			9/16-18 UNF	0194 - 459 21 - X - 306
	145 - 1,450 psi (10 - 100 bar)	± 43.5 - 72.5 psi (± 3.0 - 5.0 bar)	M 10x1 taper	0194 - 461 01 - X - 010
			1/4" BSPP	0194 - 461 03 - X - 012
			1/8" NPT	0194 - 461 04 - X - 321
			1/4" NPT	0194 - 461 09 - X - 312
			7/16-20 UNF	0194 - 461 20 - X - 307
			9/16-18 UNF	0194 - 461 21 - X - 308

Seal material – Application areas

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

Refer to page 33 for the temperature range and application thresholds of sealing materials.



Your order number: 0194 - XXX XX - X - XXX

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