



- Zinc-plated steel body (CrVI-free)
- With M3 screw terminals
- Overpressure safe up to 300 bar¹⁾

With male thread



Adjustment range in bar (tolerance at room temperature)	Thread	Normally open (no) → :	Normally closed (nc) → :
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0166 Diaphragm pressure switches with M3 screw terminals

0.1 – 1 (± 0.2)	M 10x1 con.	0166	401 01	X	001	0166	402 01	X	005
	M 12x1.5	0166	401 02	X	002	0166	402 02	X	006
	G 1/4	0166	401 03	X	003	0166	402 03	X	007
	NPT 1/8	0166	401 04	X	004	0166	402 04	X	008
	G 1/8	0166	401 28	X	601	0166	402 28	X	602
	M 10x1 cyl.	0166	401 13	X	001	0166	402 13	X	002

1 – 10 (± 0.5)	M 10x1 con.	0166	405 01	X	017	0166	406 01	X	021
	M 12x1.5	0166	405 02	X	018	0166	406 02	X	022
	G 1/4	0166	405 03	X	019	0166	406 03	X	023
	NPT 1/8	0166	405 04	X	020	0166	406 04	X	024
	G 1/8	0166	405 28	X	605	0166	406 28	X	606
	M 10x1 cyl.	0166	405 13	X	005	0166	406 13	X	006

10 – 20 (± 1.0)	M 10x1 con.	0166	409 01	X	033	0166	410 01	X	037
	M 12x1.5	0166	409 02	X	034	0166	410 02	X	038
	G 1/4	0166	409 03	X	035	0166	410 03	X	039
	NPT 1/8	0166	409 04	X	036	0166	410 04	X	040
	G 1/8	0166	409 28	X	609	0166	410 28	X	610
	M 10x1 cyl.	0166	409 13	X	009	0166	410 13	X	010

20 – 50 (± 2.0)	M 10x1 con.	0166	413 01	X	049	0166	414 01	X	053
	M 12x1.5	0166	413 02	X	050	0166	414 02	X	054
	G 1/4	0166	413 03	X	051	0166	414 03	X	055
	NPT 1/8	0166	413 04	X	052	0166	414 04	X	056
	G 1/8	0166	413 28	X	613	0166	414 28	X	614
	M 10x1 cyl.	0166	413 13	X	013	0166	414 13	X	014

- Our pressure switches are also available with factory pre-set switching points.
- We offer other body materials and connecting threads upon request.
- Other diaphragm materials are available on request, e.g. HNBR or silicone.

Diaphragm 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

See page 16 for temperature ranges of diaphragm / seal materials

Order number:	0166 – XXX XX – X – XXX
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Accessories see page 17

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