



- Zinc-plated steel body (CrVI-free)
- With M3 screw terminals
- Overpressure safe up to 300 bar<sup>1)</sup>

### With male thread



Adjustment range in bar (tolerance at room temperature)	Thread	Normally open (no) →  :	Normally closed (nc) → :
---	--------	-------------------------	--------------------------

### 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 preset 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

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

See page 16 for temperature ranges of diaphragm / seal materials

**Order number:** 0166 – XXX XX – X – XXX



Accessories see page 17

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

- Zinc-plated steel body (CrVI-free)
- With spade terminals
- Overpressure safe up to 300 bar<sup>1)</sup>



Adjustment range in bar (tolerance at room temperature)	Thread	Normally open (no) →  :	Normally closed (nc) →  :
---	--------	-------------------------	---------------------------

### 0166 Diaphragm pressure switches with spade terminals

0.1 – 1 (± 0.2)	M 10x1 con.	0166	403 01	X	009	0166	404 01	X	013
	M 12x1.5	0166	403 02	X	010	0166	404 02	X	014
	G 1/4	0166	403 03	X	011	0166	404 03	X	015
	NPT 1/8	0166	403 04	X	012	0166	404 04	X	016
	G 1/8	0166	403 28	X	603	0166	404 28	X	604
	M 10x1 cyl.	0166	403 13	X	003	0166	404 13	X	004
1 – 10 (± 0.5)	M 10x1 con.	0166	407 01	X	025	0166	408 01	X	029
	M 12x1.5	0166	407 02	X	026	0166	408 02	X	030
	G 1/4	0166	407 03	X	027	0166	408 03	X	031
	NPT 1/8	0166	407 04	X	028	0166	408 04	X	032
	G 1/8	0166	407 28	X	607	0166	408 28	X	608
	M 10x1 cyl.	0166	407 13	X	007	0166	408 13	X	008
10 – 20 (± 1.0)	M 10x1 con.	0166	411 01	X	041	0166	412 01	X	045
	M 12x1.5	0166	411 02	X	042	0166	412 02	X	046
	G 1/4	0166	411 03	X	043	0166	412 03	X	047
	NPT 1/8	0166	411 04	X	044	0166	412 04	X	048
	G 1/8	0166	411 28	X	611	0166	412 28	X	612
	M 10x1 cyl.	0166	411 13	X	011	0166	412 13	X	012
20 – 50 (± 2.0)	M 10x1 con.	0166	415 01	X	057	0166	416 01	X	061
	M 12x1 5	0166	415 02	X	058	0166	416 02	X	062
	G 1/4	0166	415 03	X	059	0166	416 03	X	063
	NPT 1/8	0166	415 04	X	060	0166	416 04	X	064
	G 1/8	0166	415 28	X	615	0166	416 28	X	616
	M 10x1 cyl.	0166	415 13	X	015	0166	416 13	X	016

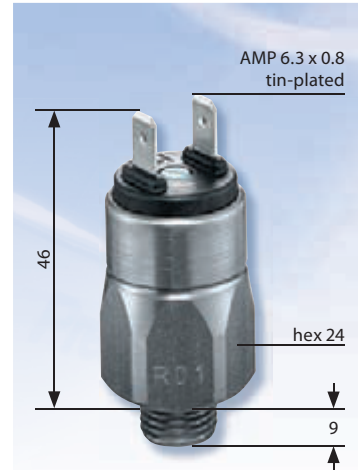
### Diaphragm material – areas of application

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

See page 16 for temperature ranges of diaphragm / seal materials

<b>Order number:</b>	<b>0166 –XXX XX–X–XXX</b>
----------------------	---------------------------

### 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 materials are available on request, e.g. HNBR or silicone.



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