

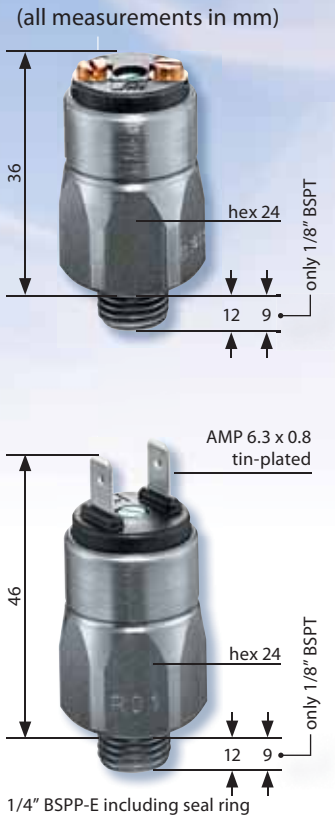
0164

Diaphragm pressure switches 42 V with stainless steel body



- Body made of stainless steel (AISI 303 / 1.4305)
- With M3 screw or spade terminals
- Overpressure safe up to 8,700psi (600 bar) ¹⁾

With male thread



- All pressure switches can be factory preset upon request.
- Ready-wired versions can be found starting on page 38-41.
- We offer other body materials and connecting threads upon request.
- Other diaphragm materials are available on request, e.g. HNBR or silicone.



Accessories see page 17

0164 Diaphragm pressure switches with screw terminals

Adjustment range in psi (bar) (tolerance at room temperature)	Thread	Normally open (no) → :				Normally closed (nc) → :			
		0164	401 12	001	0164	402 12	002		
1.45 – 14.5 ± 2.9psi (0.1 – 1 ± 0.2 bar)	1/8" BSPT	0164	401 12	001	0164	402 12	002		
	1/4" BSPP-E	0164	401 41	001	0164	402 41	002		
	1/4" BSPT	0164	401 46	001	0164	402 46	002		
14.5 – 145 ± 7.25psi (1 – 10 ± 0.5 bar)	1/8" BSPT	0164	405 12	005	0164	406 12	006		
	1/4" BSPP-E	0164	405 41	005	0164	406 41	006		
	1/4" BSPT	0164	405 46	005	0164	406 46	006		
145 – 290 ± 14.5psi (10 – 20 ± 1 bar)	1/8" BSPT	0164	409 12	009	0164	410 12	010		
	1/4" BSPP-E	0164	409 41	009	0164	410 41	010		
	1/4" BSPT	0164	409 46	009	0164	410 46	010		
290 – 725 ± 29psi (20 – 50 ± 2 bar)	1/8" BSPT	0164	413 12	013	0164	414 12	014		
	1/4" BSPP-E	0164	413 41	013	0164	414 41	014		
	1/4" BSPT	0164	413 46	013	0164	414 46	014		

0164 Diaphragm pressure switches with spade terminals

1.45 – 14.5 ± 2.9psi (0.1 – 1 ± 0.2 bar)	1/8" BSPT	0164	403 12	003	0164	404 12	004
	1/4" BSPP-E	0164	403 41	003	0164	404 41	004
	1/4" BSPT	0164	403 46	003	0164	404 46	004
14.5 – 145 ± 7.25psi (1 – 10 ± 0.5 bar)	1/8" BSPT	0164	407 12	007	0164	408 12	008
	1/4" BSPP-E	0164	407 41	007	0164	408 41	008
	1/4" BSPT	0164	407 46	007	0164	408 46	008
145 – 290 ± 14.5psi (10 – 20 ± 1 bar)	1/8" BSPT	0164	411 12	011	0164	412 12	012
	1/4" BSPP-E	0164	411 41	011	0164	412 41	012
	1/4" BSPT	0164	411 46	011	0164	412 46	012
290 – 725 ± 29psi (20 – 50 ± 2 bar)	1/8" BSPT	0164	415 12	015	0164	416 12	016
	1/4" BSPP-E	0164	415 41	015	0164	416 41	016
	1/4" BSPT	0164	415 46	015	0164	416 46	016

Diaphragm material – areas of application

NBR (BunaN)	Hydraulic / machine oil, heating oil, air, nitrogen etc.	1
EPDM	Water, brake fluid, ozone, acetylene, hydrogen etc.	2
FKM (Viton®)	Hydraulic fluids (HFA, HFB, HFD), petrol/gasoline etc.	3

See page 16 for temperature ranges of diaphragm / seal materials

Order number: 0164 - XXX XX - X - XXX

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