0164

Diaphragm pressure switches up to 42 V with stainless steel housing

- Stainless steel housing (1.4305 / AISI 303)
- Spade terminal
- Overpressure safety up to 600 bar[1)]
  (EPDM-TW and silicone diaphragm up to 35 bar[2)])



0164 Diaphragm pressure switches with spade terminal

Adjustment range (Tolerance at room temperature)	Male thread	Order number NO ⟶ |:	Order number NC ⟶ :|
0.1 - 1 (± 0.2) bar	G1/4-E	0164 - 403 41 - X - 003	0164 - 404 41 - X - 004
	R1/8	0164 - 403 12 - X - 003	0164 - 404 12 - X - 004
	R1/4	0164 - 403 46 - X - 003	0164 - 404 46 - X - 004
	NTP1/8	0164 - 403 04 - X - 003	0164 - 404 04 - X - 004
0.5 - 3 (± 0.3) bar	G1/4-E	0164 - 423 41 - X - 070	0164 - 424 41 - X - 070
	R1/8	0164 - 423 12 - X - 070	0164 - 424 12 - X - 070
	R1/4	0164 - 423 46 - X - 070	0164 - 424 46 - X - 070
	NTP1/8	0164 - 423 04 - X - 070	0164 - 424 04 - X - 070
1 - 10 (± 0.5) bar	G1/4-E	0164 - 407 41 - X - 007	0164 - 408 41 - X - 008
	R1/8	0164 - 407 12 - X - 007	0164 - 408 12 - X - 008
	R1/4	0164 - 407 46 - X - 007	0164 - 408 46 - X - 008
	NTP1/8	0164 - 407 04 - X - 007	0164 - 408 04 - X - 008
10 - 20 (± 1) bar	G1/4-E	0164 - 411 41 - X - 011	0164 - 412 41 - X - 012
	R1/8	0164 - 411 12 - X - 011	0164 - 412 12 - X - 012
	R1/4	0164 - 411 46 - X - 011	0164 - 412 46 - X - 012
	NTP1/8	0164 - 411 04 - X - 011	0164 - 412 04 - X - 012
20 - 50 (± 2) bar	G1/4-E	0164 - 415 41 - X - 015	0164 - 416 41 - X - 016
	R1/8	0164 - 415 12 - X - 015	0164 - 416 12 - X - 016
	R1/4	0164 - 415 46 - X - 015	0164 - 416 46 - X - 016
	NTP1/8	0164 - 415 04 - X - 015	0164 - 416 04 - X - 016

Seal material – Application areas

NBR	Hydraulic/machine oil, heating oil, air, nitrogen, etc.	1
EPDM	Water, Brake fluid, hydrogen, oxygen, acetylene, etc.	2
EPDM-TW	Drinking water ($p_{max} \leq 35$ bar)	5
FKM	Hydraulic fluids (HFA, HFB, HFD), petrol/gasoline, etc.	3
FFKM	Chemical acids, diluted alkalis, ketones, ester's, alcohols	6
Silicone[3)]	Water, food products, air, etc. ($p_{max} \leq 35$ bar)	8
HNBR	Hydraulic/machine oil, ester-based bio-oils	9

Refer to page 41 for the temperature range and application thresholds of sealing materials.

Your order number:	0164 – XXX XX – X – XXX

[1)] Static value. Dynamic value is 30-50 % lower. Values pertain to the hydraulic/pneumatic part of the pressure switch.
[2)] Overpressure safety of pressure switch up to 600 bar. Functional reliability only up to 35 bar with diaphragm materials EPDM-TW and silicone.
[3)] The G1/4-E thread has an EPDM sealing ring if the silicone membrane is selected.

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Diaphragm pressure switches up to 42 V with stainless steel housing

- Stainless steel housing (1.4305 / AISI 303)
- M3 screw terminal
- Overpressure safety up to 600 bar[1)]
  (EPDM-TW and silicone diaphragm up to 35 bar[2)])



Adjustment range (Tolerance at room temperature)	Male thread	**Order number** NO —› |:	**Order number** NC —› :|

0164 Diaphragm pressure switches with screw terminal M3

0.1 - 1 (± 0.2) bar	G1/4-E	0164 - 401 41 - X - 001	0164 - 402 41 - X - 002
	R1/8	0164 - 401 12 - X - 001	0164 - 402 12 - X - 002
	R1/4	0164 - 401 46 - X - 001	0164 - 402 46 - X - 002
	NTP1/8	0164 - 401 04 - X - 001	0164 - 402 04 - X - 002
0.5 - 3 (± 0.3) bar	G1/4-E	0164 - 421 41 - X - 070	0164 - 422 41 - X - 070
	R1/8	0164 - 421 12 - X - 070	0164 - 422 12 - X - 070
	R1/4	0164 - 421 46 - X - 070	0164 - 422 46 - X - 070
	NTP1/8	0164 - 421 04 - X - 070	0164 - 422 04 - X - 070
1 - 10 (± 0.5) bar	G1/4-E	0164 - 405 41 - X - 005	0164 - 406 41 - X - 006
	R1/8	0164 - 405 12 - X - 005	0164 - 406 12 - X - 006
	R1/4	0164 - 405 46 - X - 005	0164 - 406 46 - X - 006
	NTP1/8	0164 - 405 04 - X - 005	0164 - 406 04 - X - 006
10 - 20 (± 1) bar	G1/4-E	0164 - 409 41 - X - 009	0164 - 410 41 - X - 010
	R1/8	0164 - 409 12 - X - 009	0164 - 410 12 - X - 010
	R1/4	0164 - 409 46 - X - 009	0164 - 410 46 - X - 010
	NTP1/8	0164 - 409 04 - X - 009	0164 - 410 04 - X - 010
20 - 50 (± 2) bar	G1/4-E	0164 - 413 41 - X - 013	0164 - 414 41 - X - 014
	R1/8	0164 - 413 12 - X - 013	0164 - 414 12 - X - 014
	R1/4	0164 - 413 46 - X - 013	0164 - 414 46 - X - 014
	NTP1/8	0164 - 413 04 - X - 013	0164 - 414 04 - X - 014

Seal material – Application areas

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EPDM-TW	Drinking water ($p_{max} \leq 35$ bar)	5
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Your order number:	**0164 – XXX XX – X – XXX**

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[3)] The G1/4-E thread has an EPDM sealing ring if the silicone membrane is selected.