



technische import

SUCO Productinformatie

0164



SUCO Robert Scheuffele GmbH & Co. KG

www.bafa.nl

M.3

hex 24



0164

Diaphragm pressure switches up to 42 V with stainless steel housing

- Stainless steel housing (1.4305 / AISI 303)
- Spade or M3 screw terminal
- Overpressure safety up to 600 bar¹⁾
(EPDM-W270 and silicone diaphragm up to 35 bar²⁾)

Adjustment range tolerance at room temperature	Male thread	Order number NO → :	Order number NC → :
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0164 Diaphragm pressure switches with M3 screw terminal

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

Seal material – Application areas

NBR	Hydraulic/machine oil, heating oil, air, nitrogen, etc.	1
EPDM	Water, Brake fluid, hydrogen, oxygen, acetylene, etc.	2
EPDM-W270	Drinking water ($p_{max} \leq 35$ bar)	5
FKM	Hydraulic fluids (HFA, HFB, HFD), petrol/gasoline, etc.	3
Silicone	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-W270 and silicone.



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- Spade or M3 screw terminal
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(EPDM-W270 and silicone diaphragm up to 35 bar²⁾)

Adjustment range tolerance at room temperature	Male thread	Order number NO → :	Order number NC → :
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0164 Diaphragm pressure switches with spade terminal

0.1 – 1 (±0.2) bar	G 1/4-E	0164 – 403 41 – X – 003	0164 – 404 41 – X – 004
	R 1/8	0164 – 403 12 – X – 003	0164 – 404 12 – X – 004
	R 1/4	0164 – 403 46 – X – 003	0164 – 404 46 – X – 004
0.5 – 3 (±0.3) bar	G 1/4-E	0164 – 423 41 – X – 070	0164 – 424 41 – X – 070
	R 1/8	0164 – 423 12 – X – 070	0164 – 424 12 – X – 070
	R 1/4	0164 – 423 46 – X – 070	0164 – 424 46 – X – 070
1 – 10 (±0.5) bar	G 1/4-E	0164 – 407 41 – X – 007	0164 – 408 41 – X – 008
	R 1/8	0164 – 407 12 – X – 007	0164 – 408 12 – X – 008
	R 1/4	0164 – 407 46 – X – 007	0164 – 408 46 – X – 008
10 – 20 (±1) bar	G 1/4-E	0164 – 411 41 – X – 011	0164 – 412 41 – X – 012
	R 1/8	0164 – 411 12 – X – 011	0164 – 412 12 – X – 012
	R 1/4	0164 – 411 46 – X – 011	0164 – 412 46 – X – 012
20 – 50 (±2) bar	G 1/4-E	0164 – 415 41 – X – 015	0164 – 416 41 – X – 016
	R 1/8	0164 – 415 12 – X – 015	0164 – 416 12 – X – 016
	R 1/4	0164 – 415 46 – X – 015	0164 – 416 46 – 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-W270	Drinking water ($p_{max} \leq 35$ bar)	5
FKM	Hydraulic fluids (HFA, HFB, HFD), petrol/gasoline, etc.	3
Silicone	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

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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-W270 and silicone.





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