## Differential pressure, vacuum and overpressure switch 0.2 - 50 mbar



Weight
120 grams without bracket 144 grams with bracket type C

## Installation arrangement

Standard diaphragm vertical (factory calibration) When the switch is rotated to horizontal the switching points will change by 11 pascal (see back cover).

## Pressure connections

Pipe $\varnothing 6.2 \mathrm{~mm}$ Adapter 1/8"

## Diaphragm

Silicone LSR
Tempered $200^{\circ} \mathrm{C}$,
free of gas emissions

## Electrical connections

Screw terminals or AMP-
connectors 6.3 or 4.8 mm
according to DIN 46244
Cable gland Pg 11 with cable strain relief

## Contact system

Standard: Changeover switch
Option : N/O contact

## Contact material

Multi-layer contact
(suitable for DDC)
$\begin{array}{rr}5 \text { (0.8*) A } & 250 \text { VAC } \\ 2 \mathrm{~A} & 30 \text { VDC }\end{array}$

* For inductive loads with

6 -fold starting current $\cos \varphi 0.6$

## Tests

EN 61058, VDE 0630
DVGW according to
DIN 3398, part 2
EU conformity
Low voltage directive 73/23/EWG
Gas appliance directive 90/396/EWG CE 0085 A P0918

## Protection class

IP 00 without cover
IP 54 with cover

## Service life

Mechanical, > $10^{6}$ switching cycles

## Accessories

See order code selection table


A - Connection set Fig. 1 / Fig. 2

B - Mounting bracket A, B, C

C - Switch with fastening clip
D - Equipped with AMP connectors

Consisting of switch with hose connection Ø 6.2 mm , scale in mbar, screw terminals, multi-layer contact up to 5 A (suitable for DDC), combibracket and hose connection set, single packaging.

Pressure range

| 0.2 | - 3 mbar |
| :---: | :---: |
| 0.5 | - 5 mbar |
| 1 | - 10 mbar |
| 5 | - 20 mbar |
| 10 | - 50 mbar |
| 0.2 | - 3 mbar |
| 0.5 | - 5 mbar |
| 1 | - 10 mbar |
| 5 | - 20 mbar |
| 10 | - 50 mbar |

## Connection set

| Fig. 1 (Metal) | 604.9000001 |
| :--- | :--- |
| Fig. 1 (Metal) | 604.9100001 |
| Fig. 1 (Metal) | 604.9200001 |
| Fig. 1 (Metal) | 604.9400001 |
| Fig. 1 (Metal) | 604.9500001 |
| Fig. 2 (Plastic) | 604.9000002 |
| Fig. 2 (Plastic) | 604.9100002 |
| Fig. 2 (Plastic) | 604.9200002 |
| Fig. 2 (Plastic) | 604.940002 |
| Fig. 2 (Plastic) | 604.9500002 |

## Order no.

604.9000001

00001
604.9200001
604.9500001
604.9000002
0.9100002
604.9400002
604.9500002

## Order code selection table

EDITION 02/2001
604 . 9 X X X X X X X X

| ETL execution, fire classification V0 |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Setting range $0.2-3 \mathrm{mbar}$ ( $20-300 \mathrm{~Pa}$ ) |  |  |  |  |  |  |
|  | 0.5 | - | 5 mbar | 50 | - | $500 \mathrm{~Pa})$ |
|  | 1 | - | 10 mbar | 100 | - | 1000 Pa ) |
|  | 5 | - | 20 mbar | 500 | - | 2000 Pa ) |
|  | 10 |  | 50 mbar | 000 |  | $5000 \mathrm{~Pa})$ |


| Scale |
| :--- |
|  |
|  |
| Pressure connection |

Scale in mbar
Scale in Pa
Scale in inH2O
without scale (rating plate in mbar) without scale (rating plate in Pa ) without scale (rating plate in $\mathrm{inH2O}$ )

| Pressure connection | Pipe $\varnothing 6.2 \mathrm{~mm}$ <br> Pipe $\varnothing 6.2 \mathrm{~mm}$ | without orifice <br> with orifice on P2 |
| :--- | :--- | :--- |
|  | Inside thread G 1/8 | without orifice |
|  | Inside thread G 1/8 | with orifice on P2 |

Accessories, supplied separately

| Hose connection set Fig. 1 | 1 | 0 | 4 | 3 | 1 | 2 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Hose connection set Fig. 2 | 1 | 0 | 0 | 0 | 6 | 4 |
| Bracket type A ${ }^{1}$ | 1 | 0 | 0 | 2 | 9 | 51 |
| Bracket type B1 | 1 | 0 | 0 | 0 | 9 | 81 |
| Combi-bracket type C1 | 1 | 0 | 0 | 1 | 0 | 61 |
| 1Special screws for fastening switches to bracket (2 screws per switch required) |  | 0 | 2 | 9 | 7 | 6 |
| Fastening clip for bracket A, B, C or direct mounting for wall thickness 0.8-1.1 mm | 1 | 0 | 0 | 2 | 9 | 4 |
| for wall thickness $1.8-2.1$ mm | 1 | 0 | 0 | 2 | 9 | 3 |

0.2... 3 mbar
Upper switching
point (mbar)


1... 10 mbar

5... 20 mbar Upper switching

10... 50 mbar Upper switching
point (mbar)

a) Factory-setting
b) $\Delta p$ tolerance

1 See fixing screws «Wall thickness on customer site» on back page.


Electrical connections

| $\rightarrow \underbrace{0-}_{1}$ | 1 Feeder <br> 2 NC contact <br> 3 NO contact |
| :---: | :---: |

Fixing screws for direct wall-mounting without bracket

Wall thickness


Mounting the switch with fastening clip
Bracket type A
Bracket type B
Bracket type C




## Installation arrangement



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