



Pressure Switch for neutral gases and liquids

- For neutral gases and liquids
- Models normally open contact, normally closed contact or change-over contact
- Switching point can be adjusted with grub screw

Product variants described in the data sheet may differ from the product presentation and description.

Type description

The pressure switch is used to convert adjustable pneumatic signals into electrical signals.

Table of contents

1. General technical data	3
1.1. Normally open contact, AF19	3
1.2. Normally open/Normally closed contact/changeover contact, AF24	3
1.3. Changeover contact, flange mounting	4
2. Dimensions	4
2.1. Normally open contact, AF19	4
2.2. Normally open/Normally closed contact/changeover contact, AF24	5
2.3. Changeover contact, flange mounting	5
3. Product operation	5
3.1. Functional overview	5
4. Ordering information	6
4.1. Bürkert eShop – Easy ordering and quick delivery	6
4.2. Bürkert product filter	6
4.3. Ordering chart	6
4.4. Ordering chart accessories	7

1. General technical data

1.1. Normally open contact, AF19

Product properties

Material

Housing	Brass
Diaphragm	NBR, others on request
Dimensions	More detailed information can be found in the chapter “2. Dimensions” on page 4.
Switching function	Normally open contact
Mechanical life	10 ⁶
Protection class	IP00 (IP20, with protection cap)

Electrical data

Reference voltage	Max. 42 V
Switching current	Max. 2 A

Performance data

Setting range	1...10 bar
Bursting pressure	20 bar
Switch-back difference	10...15 %
Switching frequency	Max. 200/min.

Medium data

Medium	Air
Medium temperature	-25 to +85 °C

1.2. Normally open/Normally closed contact/changeover contact, AF24

Product properties

Material

Housing	Galvanised steel, stainless steel, brass
Diaphragm	Version 1: NBR-Diaphragm Version 2: UR-Dichtung
Dimensions	More detailed information can be found in the chapter “2. Dimensions” on page 4.
Switching function	Normally open contact, normally closed contact or changeover contact
Mechanical life	10 ⁶
Design	Version 1: Spring-loaded diaphragm Version 2: Spring-loaded piston
Protection class	IP00 (IP20, with protection cap)

Electrical data

Reference voltage	Max. 42 V
Switching current	Max. 2 A

Performance data

Setting range	Version 1: 0,5...2 bar / 1...10 bar Version 2: 10...70 bar / 50...200 bar
Bursting pressure	Version 1: 10 bar / 20 bar Version 2: 120 bar / 300 bar
Switch-back difference	15...25 %
Switching frequency	Max. 200/min.

Medium data

Medium	Air, hydraulic oil, oil emulsion, water
Medium temperature	-25 to +85 °C

1.3. Changeover contact, flange mounting

Product properties

Material

Housing Galvanised steel, stainless steel, brass

Diaphragm **Version 1:** NBR diaphragm

Version 2: UR seal

Dimensions More detailed information can be found in the chapter **"2. Dimensions"** on page 4.

Switching function Changeover contact

Mechanical life 10^6

Design **Version 1:** Spring-loaded diaphragm
Version 2: Spring-loaded piston

Protection class IP65 cable plug type Type 2518

Electrical data

Reference voltage Max. 250 V

Switching current Max. 5 A

Performance data

Setting range **Version 1:** 0,3...2 bar / 1...10 bar
Version 2: 1...70 bar / 50...200 bar

Bursting pressure **Version 1:** 20 bar / 20 bar
Version 2: 250 bar / 300 bar

Switch-back difference 15...25 %

Switching frequency Max. 200/min.

Medium data

Medium Air, hydraulic oil, oil emulsion, water

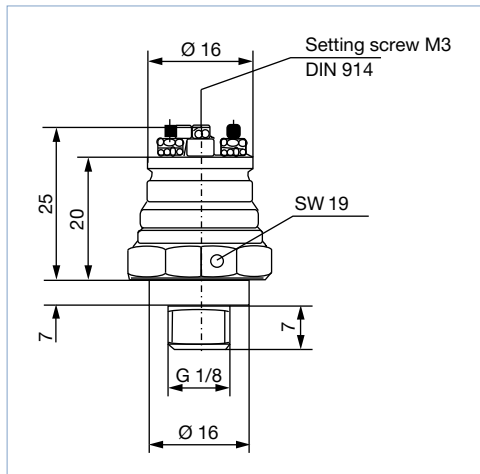
Medium temperature -25 to +85 °C

2. Dimensions

2.1. Normally open contact, AF19

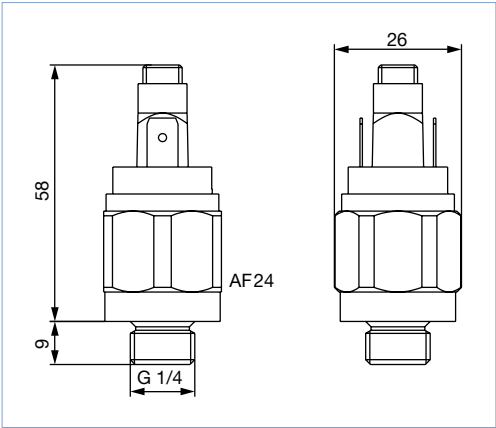
Note:

Dimensions in mm



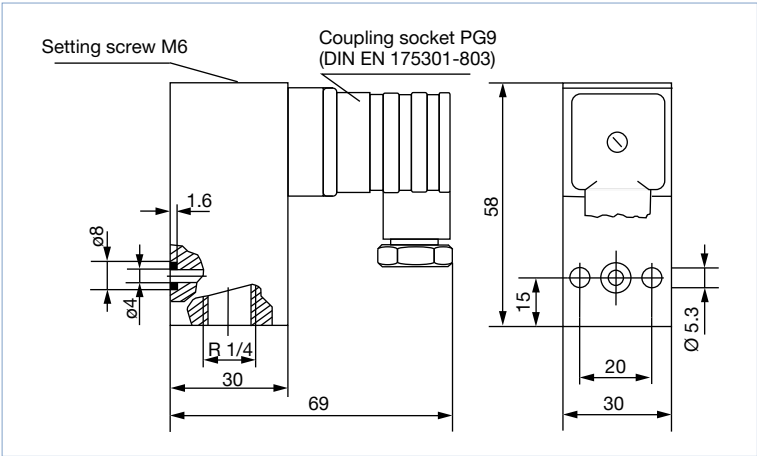
2.2. Normally open/Normally closed contact/changeover contact, AF24

Note:
Dimensions in mm



2.3. Changeover contact, flange mounting

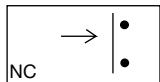
Note:
Dimensions in mm



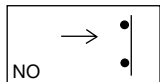
3. Product operation

3.1. Functional overview

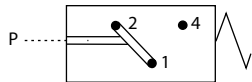
NO normally open contact



NC normally closed contact



Changeover contact



4. Ordering information

4.1. Bürkert eShop – Easy ordering and quick delivery



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4.2. Bürkert product filter



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4.3. Ordering chart

Note:

Further versions on request

Size	Version	Setting range	Article no.
AF19	NO - normally open contact	1 ... 10 bar	780494
AF24	NO - normally open contact	0.5 ... 2 bar	772503
		1 ... 10 bar	780496
		10 ... 70 bar	787283
		50 ... 200 bar	787284
	NC - normally closed contact	0.5 ... 2 bar	772500
		1 ... 10 bar	780495
		10 ... 70 bar	787286
	Changeover contact	50 ... 200 bar	787287
		0.5 ... 2 bar	772506
		1 ... 10 bar	772515
		10 ... 70 bar	772524
Flange mounting	Changeover contact	50 ... 200 bar	772536
		0.3 ... 2 bar	784230
		1 ... 10 bar	780499
		10 ... 70 bar	787289
		50 ... 200 bar	787290

4.4. Ordering chart accessories

Version	Article no.
Protection cap for AF19 switch	780498 
Protection cap for AF24 switch	780497 
Cable plug Type 2518 for flange mounting switch	315329 

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DTS 1000264997 EN Version: E Status: RL (released | freigegeben | valide) printed: 05.09.2019

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