

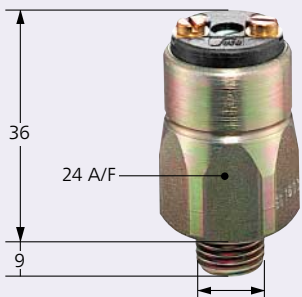
0169

Piston pressure switches, 42 V

Zinc-plated steel body,
With screw or push-on terminals,
Overpressure safe to 600 bar *)



With external thread



0169 Piston pressure switches with screw terminals

Adjustment range in bar (tolerance at RT)	Thread	Normally open (no) →:]	Normally closed (nc) →:]
50-150 (± 5.0)	M 10x1 taper	0169 417 01 001	0169 418 01 005
	M 12x1.5	0169 417 02 002	0169 418 02 006
	G 1/4"	0169 417 03 003	0169 418 03 007
	NPT 1/8"	0169 417 04 004	0169 418 04 008
	G 1/8"	0169 417 28 601	0169 418 28 602
	M 10x1 cyl.	0169 417 13 001	0169 418 13 002

0169 Piston pressure switches with push-on terminals

Adjustment range in bar (tolerance at RT)	Thread	Normally open (no) →:]	Normally closed (nc) →:]
50-150 (± 5.0)	M 10x1 taper	0169 419 01 009	0169 420 01 013
	M 12x1.5	0169 419 02 010	0169 420 02 014
	G 1/4"	0169 419 03 011	0169 420 03 015
	NPT 1/8"	0169 419 04 012	0169 420 04 016
	G 1/8"	0169 419 28 603	0169 420 28 604
	M 10x1 cyl.	0169 419 13 003	0169 420 13 004

- Also available with switching point preset in our works.
- For ready-wired variants, see page 30 onwards.
- Other body materials and connection threads on request.
- Accessories: see page 19



Order No.:

Add figure for

diaphragm/seal material

0169 XXX XX X XXX

0169 XXX XX X XXX

NBR	Hydraulic / machine oil, turpentine, heating oil, air etc.	=	1	=	1
EPDM	Hydrogen, acetylene, ozone, brake fluid etc.	=	2	=	2
FKM	Hydraulic fluids (HFA, HFB, HFC, HFD), petrol/gasoline etc.	=	3	=	3

See page 10 for temperature ranges of diaphragm materials

Warning!

When using with oxygen, the relevant accident-prevention regulations must be observed. In addition, we recommend that a maximum operating pressure of 10 bar is not exceeded.

Piston-type pressure switches are only to a limited extent suitable for use with gases and oxygen. See explanation on page 5.

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

Degree of protection IP65

The type approval does not apply without restriction to all environmental conditions. It is the responsibility of the user to check whether the connection complies with regulations other than those stated, and whether it can be used for special applications which could not be foreseen by us in advance.

Pressure Switches

24 A/F

Normally open or normally closed,
Maximum voltage 42 V



TECHNICAL DATA

Degree of protection:	IP 65
	Terminals IP 00
Switching frequency:	200 / min.
Temperature stability:	NBR -30° ... +100°C EPDM -30° ... +120°C FKM - 5° ... +120°C
Mechanical life expectancy:	10 ⁶ cycles (at pressures up to 50 bar)
Vibration resistance:	10 g / 5-200 Hz sine-wave
Shock resistance:	294 m/s ² ; 14 ms half-sine-wave



TECHNICAL DATA

Type	Switching power	Material		Overpressure safe up to:		
		Zinc-plated Steel	Brass	20 bar	300 bar	600 bar
0163	•	•				•
0166	•	•			•	
0167	•		•	•		
0168	•	•			•	
0169	•	•				•

- Compact switch design, normally closed (nc) or normally open (no)
- Low-cost mechanical pressure switch to high Suco quality standards
- High overpressure resistance and long working life even under harsh operating conditions
- Switching point easy to adjust - even during operation¹⁾
- Various thread connections to suit your installation (see relevant product data sheet)
- Ready-wired variants - see Catalogue page 30
- Versions with push-on and screw terminals
- Available with gold contacts on request
- Other body materials are also possible

¹⁾ Pressure switches can be supplied preset from our works. Switches we have preset are secured with sealing paint and have the switching pressure stamped on their body.

Accessories

For all 24 A/F pressure switches



Protective cap

With central cable gland
for 1.5 ... 5 mm cable diameter
Order No.: 1-1-66-621-010



Protective cap

With two cable entries
for 1.7 ... 2.2 mm cable diameter
Order No.: 1-1-66-621-003