

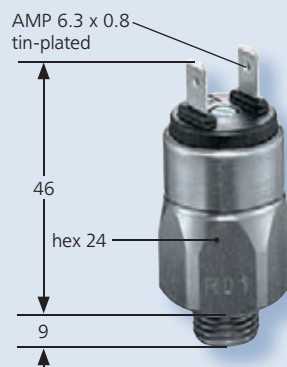
# 0169

## Piston pressure switches 42 V

Zinc-plated steel body  
 With M3 screw or push-on terminals  
 Overpressure safe to 600 bar<sup>1)</sup>



### With external thread



- Also available with switching point preset in our works.
- For ready-wired variants, see page 34 onwards.
- Other body materials and connection threads on request.
- Other diaphragm / seal materials on request, e.g. HNBR, silicone (last one for diaphragm type only).
- Accessories: see page 21



### 0169 Piston pressure switches with screw terminals

Adjustment range in bar (tolerance at room temperature)	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 room temperature)	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

**Order number:**  
 Add figure for diaphragm/seal material

0169 XXX XX **X** XXX 0169 XXX XX **X** XXX

<b>NBR</b>	Hydraulic / machine oil, turpentine, heating oil, air etc.	= 1	= 1
<b>EPDM</b>	Hydrogen, acetylene, ozone, brake fluid etc.	= 2	= 2
<b>FKM</b>	Hydraulic fluids (HFA, HFB, HFC, HFD), petrol/gasoline etc.	= 3	= 3
See page 10 for temperature ranges of diaphragm / seal 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.

<sup>1)</sup> 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.