

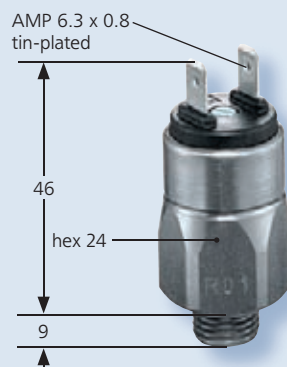
0169

Piston pressure switches 42 V

Zinc-plated steel body
 With M3 screw or push-on terminals
 Overpressure safe to 600 bar¹⁾



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

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 / 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.

¹⁾ 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.