



RoHS COMPLIANT

0181

Piston pressure switches max 250 V

Zinc-plated steel body, with spade terminals
With snap action switch and silver contacts
Overpressure safe to **8700** psi ¹⁾
Adjustable differential at factory

- See page 7 for electrical properties

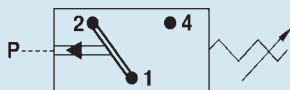
With male thread



- Also available with switching point preset in our factory.
- 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 33



- For further technical data, see page 21.

0181 Piston pressure switches with spade terminals

Adjustment range in psi	Tolerance in psi (at room temperature)	Thread	Order number	p _{max.} in psi
725 – 2900	± 72.5	M 10x1 taper	0181 460 01 001	8700
		1/4" BSPP	0181 460 03 003	
		1/8" NPT	0181 460 04 304	
		1/4" NPT	0181 460 09 303	
		7/16 – 20 UNF	0181 460 20 301	
		9/16 – 18 UNF	0181 460 21 302	

Order number
Add figure for diaphragm/seal material

0181 XXX XX **X** XXX

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

See page 21 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 145 psi is not exceeded.

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.