



RoHS COMPLIANT

0140/0141

Diaphragm/piston pressure switches max 250 V

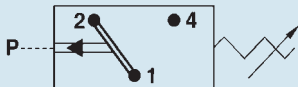
Zinc-plated steel body, with screw terminals
With snap action switch and silver contacts
Overpressure safe to **4350/8700 psi**¹⁾

• 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.
- Protection class 2, protective insulation
- Other diaphragm / seal materials on request, e.g. HNBR, silicone (last one for diaphragm type only).



• For further technical data, see page 21.

0140 Diaphragm pressure switches with screw terminals

Adjustment range in psi	Tolerance in psi (at room temperature)	Thread	Order number	p _{max.} in psi
4.35 – 21.75	± 2.9	1/4" BSPP	0140 457 03 003	4350 ¹⁾
		1/8" NPT	0140 457 04 300	
		1/4" NPT	0140 457 09 305	
		7/16-20 UNF	0140 457 20 310	
		9/16-18 UNF	0140 457 21 315	
14.5 – 145	± 7.25	1/4" BSPP	0140 458 03 006	
		1/8" NPT	0140 458 04 301	
		1/4" NPT	0140 458 09 306	
		7/16-20 UNF	0140 458 20 311	
		9/16-18 UNF	0140 458 21 316	
145 – 290	± 14.5	1/4" BSPP	0140 459 03 009	
		1/8" NPT	0140 459 04 302	
		1/4" NPT	0140 459 09 307	
		7/16-20 UNF	0140 459 20 312	
		9/16-18 UNF	0140 459 21 317	
290 – 725	± 29	1/4" BSPP	0140 461 03 012	
		1/8" NPT	0140 461 04 303	
		1/4" NPT	0140 461 09 308	
		7/16-20 UNF	0140 461 20 313	
		9/16-18 UNF	0140 461 21 318	

0141 Piston pressure switches with screw terminals

Adjustment range in psi	Tolerance in psi (at room temperature)	Thread	Order number	p _{max.} in psi
725 – 2175	± 72.5	1/4" BSPP	0141 460 03 003	8700 ¹⁾
		1/8" NPT	0141 460 04 304	
		1/4" NPT	0141 460 09 309	
		7/16-20 UNF	0141 460 20 314	
		9/16-18 UNF	0141 460 21 319	

! Order number **014X** XXX XX **X** XXX
Add figure for diaphragm/seal material

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.