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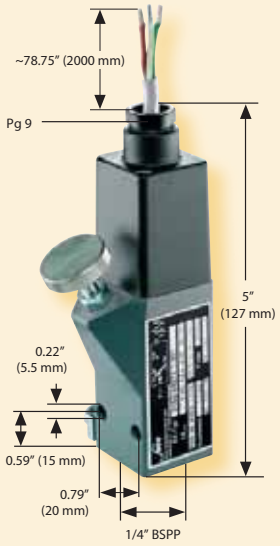
0165

Diaphragm/piston pressure switches 250 V

ATEX 0102 CE
II 2G EEx d II C T6 / T5 (gas-protected)

Aluminum body
With snap action microswitch
Max. voltage 250 V
Overpressure safe to **2900 / 8700** psi [1)]

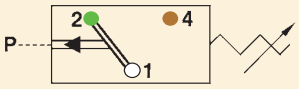
With female thread



- *Also available with switching point preset in our factory.*
- *Other cable lengths on request.*

Contact assignment:

○ 1 = white
● 2 = green
● 4 = brown



- *For further technical data, see page 43*

0165 Diaphragm pressure switches

Adjustment range in psi	Tolerance in psi (at room temp)	Thread	Order number					p max. in psi
14.5 – 87	± 7.25	1/4" BSPP female	0165	448	14		001	2900 [1)]
72.5 – 725	± 43.5	1/4" BSPP female	0165	449	14		001	

0165 Piston pressure switches

Adjustment range in psi	Tolerance in psi (at room temp)	Thread	Order number					p max. in psi
290 – 1450	± 43.5 – 72.5	1/4" BSPP female	0165	450	14		001	8700 [1)]
1450 – 5800	± 72.5 – 130.5	1/4" BSPP female	0165	451	14		001	

Order number
Add figure for diaphragm/seal material

0165 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 42 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.

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.