

# 0165

## Diaphragm/piston pressure switches 250 V

**ATEX 0102 CE**

**Ex II 2G EEx d II C T6 / T5 (gas-protected zone 1)**

Aluminium body

With changeover switch

Max. voltage 250 V

Overpressure safe to 200 / 600 bar<sup>1)</sup>



With female thread



### 0340 Diaphragm pressure switches

Adjustment range in bar	Tolerance in bar (at room temperature)	Thread	Order number	P <sub>max.</sub> in bar
1 – 6	± 0.5	G 1/4	0165 448 14 001	200 <sup>1)</sup>
5 – 50	± 3.0		0165 449 14 001	

### 0341 Piston pressure switches

Adjustment range in bar	Tolerance in bar (at room temperature)	Thread	Order number	P <sub>max.</sub> in bar
20 – 100	± 3.0 – 5.0	G 1/4	0165 450 14 001	600 <sup>1)</sup>
100 – 400	± 5.0 – 9.0		0165 451 14 001	

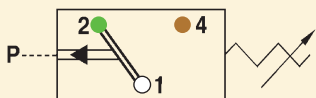
**Order number** Add figure for diaphragm/seal material **034X** XXX XX **X** XXX

<b>NBR</b>	Hydraulic / machine oil, turpentine, heating oil, air etc.	=	<b>1</b>
<b>EPDM</b>	Brake fluid, ozone, acetylene, hydrogen etc.	=	<b>2</b>
<b>FKM</b>	Hydraulic fluids (HFA, HFB, HFC, HFD), petrol/gasoline etc.	=	<b>3</b>
<b>See page 42 for temperature ranges of diaphragm / seal materials</b>			

• Also available with switching point preset in our works.

#### Contact assignment:

- 1 = white
- 2 = green
- 4 = brown



• For further technical data, see page 43

#### 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.