0165

Diaphragm / piston pressure switches up to 250 V

ATEX 0102 CE II 2G Ex d II C T6 / T5 X (gas-protected zones 1 and 2)

- Aluminium housing
- Changeover with silver contacts
- Operating voltage up to 250 V
- Overpressure safety up to 200 / 600 bar[1)]

p_{max} in bar	Adjustment range in bar	Tolerance at room temperature in bar	Thread	Order number

0165 Diaphragm pressure switches

200[1)]	1 – 6	± 0.5	G 1/4 female	0165 - 448 14 - X - 001
	5 – 50	± 3.0		0165 - 449 14 - X - 001

0165 Piston pressure switches

600[1)]	20 – 100	± 3.0 – 5.0	G 1/4 femalle	0165 - 450 14 - X - 001
	25 – 250	± 5.0 – 7.0		0165 - 452 14 - X - 001
	100 – 400	± 5.0 – 9.0		0165 - 451 14 - X - 001

Seal material – Application areas

NBR	Hydraulic/machine oil, heating oil, air, nitrogen, etc.	1
EPDM	Brake fluid, water, hydrogen, oxygen, acetylene, etc.	2
FKM	Hydraulic fluids (HFA, HFB, HFD), petrol/gasoline, etc.	3

Refer to page 82 for the temperature range and application thresholds of sealing materials.

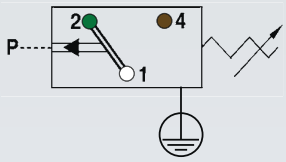
Your order number:	0165 – XXX 14 – X – 001

Piston pressure switches only have limited suitability for use with gases (refer to Page 14 for explanations).



Contact assignment:

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



[1)] Static value. Dynamic value is 30-50 % lower. Values pertain to the hydraulic/pneumatic part of the pressure switch.