

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 bar¹⁾

p _{max.} in bar	Adjustment range in bar	Tolerance in bar at room temperature	Thread	Order number
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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 female	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, 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).

M.8

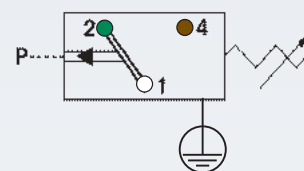
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Contact assignment:

- 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.