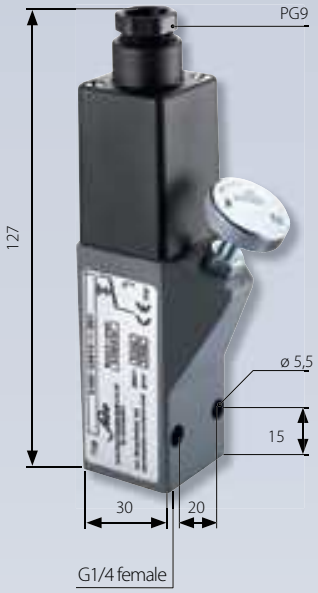
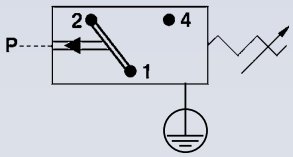
# 0159

## Diaphragm / piston pressure switch up to 250 V

- Aluminium housing
- Changeover with silver contacts
- Overpressure safety up to 200 / 600 bar[1)]
- Switching point continuously adjustable by turning knurled screw whilst system in operation




| $p_{max}$ in bar | Adjustment range in bar | Tolerance at room temperature in bar | Thread | Order number |
|---|---|---|---|---|
| **With female G 1/4 thread** | | | | |
| **0159 Diaphragm pressure switches** | | | | |
| 200[1)] | 0.2 – 2 | ± 0.2 – 0.3 | G 1/4 female | 0159 - 426 14 - X - 001 |
| | 0.5 – 5 | ± 0.2 – 0.5 | | 0159 - 427 14 - X - 001 |
| | 1 – 10 | ± 0.5 | | 0159 - 428 14 - X - 001 |
| | 2 – 20 | ± 1.0 | | 0159 - 429 14 - X - 001 |
| | 5 – 50 | ± 3.0 | | 0159 - 430 14 - X - 001 |
| | 10 – 100 | ± 3.0 – 5.0 | | 0159 - 431 14 - X - 001 |
| **0159 Piston pressure switches** | | | | |
| 600[1)] | 10 – 100 | ± 3.0 – 5.0 | G 1/4 female | 0159 - 432 14 - X - 001 |
| | 25 – 250 | ± 5.0 – 7.0 | | 0159 - 433 14 - X - 001 |
| | 40 – 400 | ± 5.0 – 9.0 | | 0159 - 434 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 75 for the temperature range and application thresholds of sealing materials.

| Your order number: | 0159 – XXX 14 – X – 001 |
|---|---|

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