

**Product information**

**Pressure switch PAS**

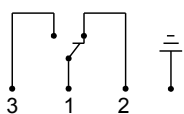


- Repeatability
- Adjustable switch point
- Change over contact
- Plug DIN 43650-A / ISO 4400 or Circular plug M12×1

**Characteristics**

Mechanical pressure switch in which a piston is pre-tensioned by a spring. An adjustment knob permits the setting of the switch point. The setting can be fixed with hexagon socket screw.

**Technical Data**

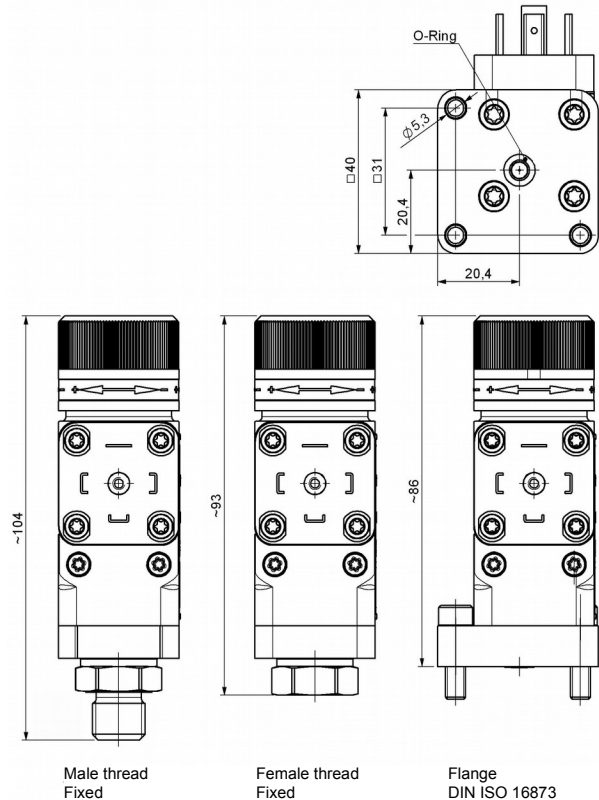
<b>Switch</b>	Mechanical switch
<b>Process connection</b>	Male thread G <sup>1</sup> / <sub>4</sub> A fixed G <sup>1</sup> / <sub>4</sub> A flexible M10×1 flexible Female thread G <sup>1</sup> / <sub>4</sub> fixed Flange DIN ISO 163873
<b>Switching range</b>	10..320 bar see table "Ranges"
<b>Tolerance</b>	±2 % at RT relative to the full scale value
<b>Pressure resistance</b>	PS 350 bar
<b>Media temperature</b>	-10..+80 °C (Viton 0..100°C)
<b>Ambient temperature</b>	-10..+80 °C
<b>Media</b>	self-lubricating fluid such as hydraulic oil, lubricating oil, light fuel oil and neutral fluids such as water and some gases.
<b>Switching frequency</b>	maximum 100 cycles/min.
<b>Wiring</b>	Plug DIN 43650-A / ISO 4400 Changeover No. 0.342 
<b>Switching voltage</b>	Resistive load
<b>switching current</b>	4 A at 24 V DC, 6 A at 250V AC
<b>(maximum values)</b>	Inductive load 1 A at 24 V DC, 2 A at 250 V AC
<b>Protection class</b>	1 – PE – connection
<b>Ingress protection</b>	IP 65

<b>Electr. connection</b>	Plug DIN 43650-A / ISO 4400
<b>Materials</b>	Housing: Zinc die casting, Adjustment knob: aluminium (powder coated)
<b>Material Sealing</b>	Static: NBR or EPDM or Viton Dynamic: PTFE
<b>Weight</b>	0,325 kg
<b>Installation location</b>	Any mounting position, hydraulic connection to bottom is not advisable.

**Ranges**

Switching range bar (rel.)	Type
10 - 30	PAS-030Z...
10 - 80	PAS-080Z...
10 - 120	PAS-120Z...
10 - 160	PAS-160Z...
20 - 200	PAS-200Z...
20 - 250	PAS-250Z...
30 - 320	PAS-320Z...

**Dimensions**



**Product information**

**Handling and operation**

**Notes**

- If the medium is dirty, install a filter.
- It must be ensured that the values given for voltage, current, and power are not exceeded.
- Check resistance to aggressive media, no DI water.

Torques and thread lengths of the fluid connection:  
G1/4A, G1/4, R1/4, NPT1/4: 20-25 Nm, 11 mm  
M10×1: 15-20 Nm, 10 mm  
Flange: 6-8 Nm, 3 washer M5

**Adjustment**

- Turning the adjusting knob to the left for a larger value, turning to the right for a smaller value. After setting the knob can be fixed with a hexagon socket screw by using the supplied key.

**Ordering code**

PAS -  1.  2.  3.  4.  5.  6.  
PAS -  **Z**

<b>1. Switching range</b>		
030	10 - 30 bar	
080	10 - 80 bar	
120	10 - 120 bar	
160	10 - 160 bar	
200	20 - 200 bar	
250	20 - 250 bar	
320	30 - 320 bar	
<b>2. Connection material</b>		
Z	Zinc die casting	
<b>3. Connection size</b>		
008A	Male thread	G <sup>1</sup> / <sub>4</sub> A
011A		M10×1
008G	Female thread	G <sup>1</sup> / <sub>4</sub>
031F	Flange	DIN ISO 163873
<b>4. Rotatable (connection pressure site)</b>		
0	Fixed	● ● ●
1	Rotatable	● ●
<b>5. Electrical connection</b>		
B	For plug DIN 43650-A / ISO 4400	
<b>6. Sealing</b>		
N	Dynamic	NBR
E		EPDM
V		Viton

**Options**

- Factory setting of the switch point on falling or rising pressure.