

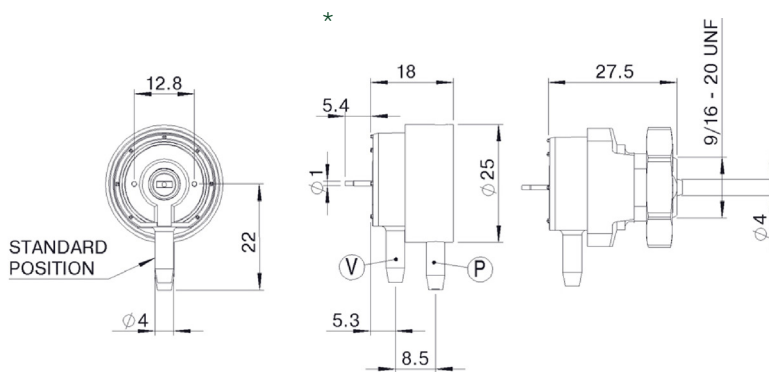
# 6761/6763 PCB Mounting Pressure/Vacuum Switches (slow make contacts)

**herga**  
Technology Ltd

- A range of small switches designed for direct mounting onto printed circuit boards
- UL versions available upon request
- Low pressure switching
- Available with back or side tube entry
- Silver or gold contact options
- Switches can be factory set within specified tolerances
- Various spout orientations available



## Outline dimensions



## General specifications

Standards/approvals	UL 508 specific models only	Operating temperature range	-10°C to +85°C (flow solder 220°C for 5 sec.)
Degree of protection	n/a	Body material	Thermoplastic
Connection method	Via back or side entry spouts, 2 or 4mm dia.	Weight	0.008 kg
Electrical rating	See table below	Additional information	Temperature compensated versions available upon request
Contact configuration	SPST N/O		
Pressure range	See table below		

## 6761/6763 - Range options and specifications

Model part no.		6761 vacuum	6763 pressure
Pressure Range Min.	mbar	15	15
Pressure Range Max.	mbar	670	1,000
Maximum Hysteresis	mbar	0.15	
Body withstand pressure	mbar	2,040	
Flow rate litre/min (with temperature compensation)	mbar	8 - 30cc/min @ 77	
Pressure Connection		Back & side entry spout, 4mm dia. Back entry 2mm dia. only Lower spout 'V' vacuum & Upper spout 'P' pressure	
Connecting tube reference		2311-01 / 2311-08 to suit 4mm dia. spout 2311-03 to suit 2mm dia. spout	
Diaphragm		Silicone	
Mechanical life	Cycles	1 x 10 <sup>6</sup>	

## Electrical data

Model	6761 vacuum		6763 pressure		
Contact configuration	SPST N/O		SPST N/O		
Contact plating	Silver	Gold	Silver	Gold	
Contact rating	Min.	10mA 24V DC	10mA 24V AC/DC	10mA 24V DC	10mA 24V AC/DC
	Max.	0.5A 250V AC	50mA 250V AC	0.5A 250V AC	50mA 250V AC
UL Approved versions	Max.	50mA 250V AC	10mA 24V AC/DC	50mA 250V AC	10mA 24V AC/DC

## Switch Range

A miniature, compact low pressure switch designed for direct fitting by solder pins to printed circuit boards. Both vacuum and pressure ports are provided, making the unit ideal for differential switching. Typical applications are indicators, emergency cut-out and alarms, filter and low pressure/vacuum monitoring. The switch is made to order for specific applications, the actual operating pressure or vacuum being set during production. However, finite adjustment may be made after installation using the slotted screw in the base.

The body construction allows the two ports to be set at any angle to each other.

## 6761/6763: Side entry cap positions

