

6761/6763 PCB Mounting Vacuum/Pressure Switches

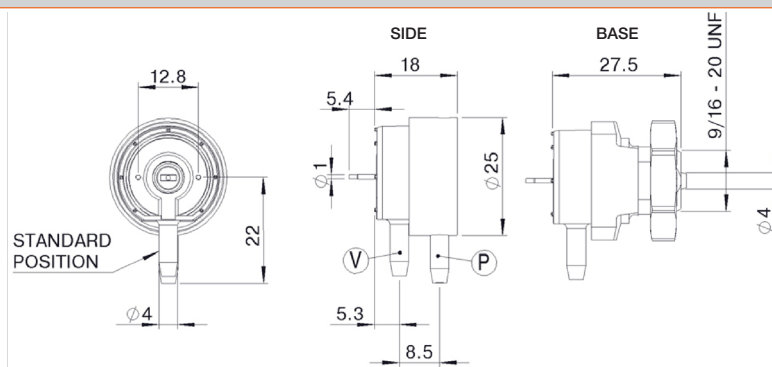


Technology Ltd

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



Reference dimensions in mm



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 ⁶	

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

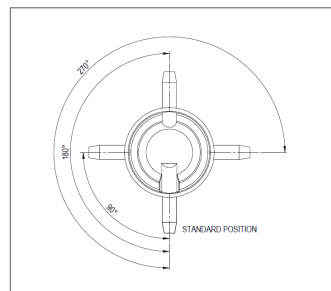


Subject to change without notice

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.

6761/6763: Side entry cap reference positions



Ordering & Options

UL Approved Standard Models

6761-OSA-U001-20mbar
6761-OSA-U002-100mbar
6761-OSA-U003-500mbar

6763-OSA-U005-20mbar
6763-OSA-U002-50mbar
6763-OSA-U006-100mbar
6763-OSA-U007-250mbar

6763-OSA-U008-500mbar
6763-OSA-U009-750mbar
6763-OSA-U010-1000mbar

Sample code 676 - O S A F - U 0 0 1 - 50mbar

Model

- 1 Vacuum Switch
- 3 Pressure Switch

Base Type (All side entry base orientations viewed from base in clockwise direction)

- O Side entry with 4 mm Ø spout (standard position)
- P Side entry with 4 mm Ø spout (90° orientation from standard position)
- Q Side entry with 4 mm Ø spout (180° orientation from standard position)
- R Side entry with 4 mm Ø spout (270° orientation from standard position)
- C Back entry with 4 mm spout
- E Back entry with 4 mm spout, long thread
- K Back entry with 2 mm spout long thread
- H Back entry with 4 mm spout, long thread (90° orientation from standard)

Contact Material and Switch Rating

- A Silver contacts rated 0.5A 250V AC (No UL approval)
- B Gold contacts rated 50 mA 250 V AC/DC (No UL approval)
- S Silver contacts rated 50 mA 240V AC (UL approved)
- G Gold contacts rated 10 mA 24V AC/DC (UL approved)

Spring & Diaphragm Material

- A Steel Spring & Silicon Diaphragm

Bleed details

- F Bleed fitted
- Blank No bleed fitted

Approval Authority

- Blank Non UL approved product
- U Indicates UL approved product

Drawing number

The drawing number associated with the configuration. Please specify if known (the number is assigned by Herga)

Switching point

Specification of the pressure switch point (value and unit of measurement, "mbar" as standard)
The switching point is recorded in the drawing number and is only informative in the product code.