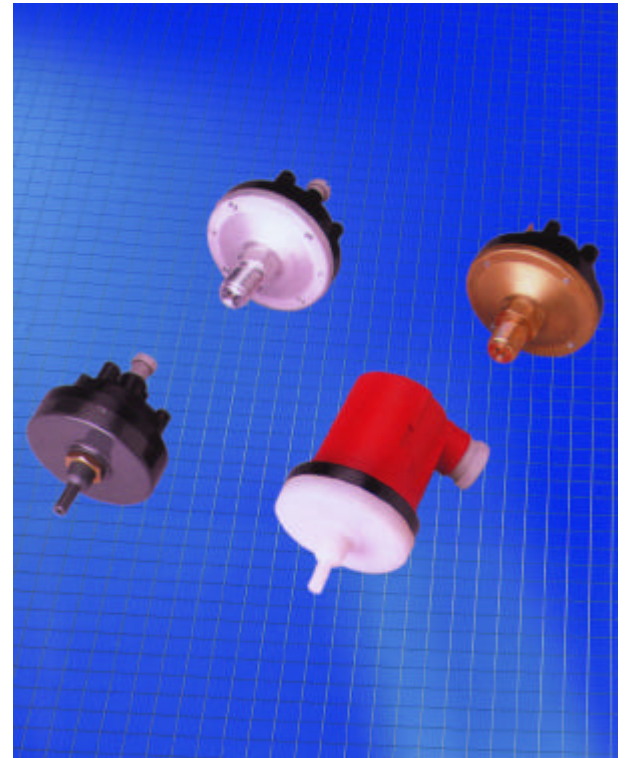


# Vacuum and Pressure Switches for Liquids and Gas



## Series DSU/DSV...

- pressure range 8 mbar...6 bar
- reproducibility 5%
- temperature range -40...+80°C
- high operation safety because of robust mechanics
- switching difference adjustable
- changeable as contact
- maximum overpressure 1,5-fold operating pressure



### Functional description

Series DSU/DSV vacuum and pressure switches are used for surveillance of liquids and gas in industrial applications.

The robust mechanics guarantees a highly operation safety, even in case of vibrations.

The units possess a highly long-term

stability of the adjusted switch points.

They are especially remarkable of a standard program with many different versions and an ideal cost effectiveness

### Areas of application

- Process engineering
- Automation
- Heating, climate, ventilation

### General technical data

Smallest cutting-in pressure		2 mbar
Smallest switching difference		1 mbar
Reproducibility	diaphragm NBR or silicon diaphragm FPM and EPDM	5 % 10 %
Medium temperature	diaphragm NBR diaphragm FPM und EPDM diaphragm silicon	0...+80 °C -10...+80 °C -40...+80 °C
Connection		nozzle 6 mm or female thread M5 thread: G <sup>1</sup> / <sub>8</sub> A, G <sup>1</sup> / <sub>4</sub> A, M12x1
Type of protection		IP 54 with covering hood, IP 00 without covering hood

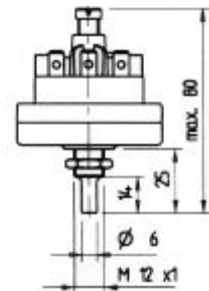
## Technical data

### Electrical data

Connection	AMP plug 6,3 mm
Contact system	switch 250 DAC 1 A or 6 A
Cable screw	screwing PG 9

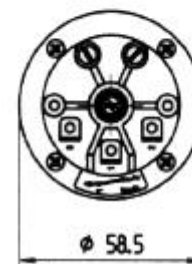
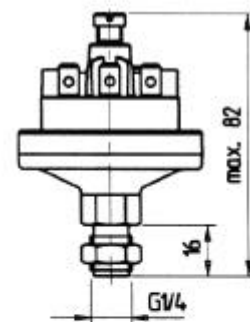
## Technical data and order code Typ DSU 620

Order code:		DSU 620	x	xH	xxx
<b>Diaphragm</b>					
NBR	nitril-caoutchouc		1		
FPM	fluoride-caoutchouc (FKM)		2		
EPDM	ethylen-propylene-caoutchouc		3		
MVQ	silicon-caoutchouc		4		
<b>Connection</b>					
	tube			1	
	female thread			2	
<b>Measuring range</b>	<b>max. operation pressure</b>	<b>Contact rating 250 V</b>			
+2 ... +8 mbar	50 mbar	1 A			008
+6 ... +75 mbar	500 mbar	1 A			075
+12...+80 mbar	500 mbar	6 A			080
+12...+200 mbar	500 mbar	1 A			200
+25...+220 mbar	500 mbar	6 A			220



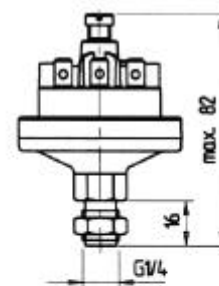
## Technical data and order code Typ DSU 625

Order code:		DSU 625	x	xH	xxx
<b>Diaphragm</b>					
NBR	nitril-caoutchouc		1		
FPM	fluoride-caoutchouc (FKM)		2		
EPDM	ethylene-propylene-caoutchouc		3		
MVQ	silicon-caoutchouc		4		
<b>Connection</b>					
G <sup>1</sup> / <sub>8</sub> A	aluminium			1	
M12x1	aluminium			2	
G <sup>1</sup> / <sub>4</sub> A	aluminium			3	
G <sup>1</sup> / <sub>4</sub> A	brass			4	
<b>Measuring range pressure</b>	<b>max. operation pressure</b>	<b>Contact rating 250 V</b>			
+2...+8 mbar	50 mbar	1 A			008
+6...+75 mbar	500 mbar	1 A			075
+12...+80 mbar	500 mbar	6 A			080
+12...+200 mbar	500 mbar	1 A			200
+25...+220 mbar	500 mbar	6 A			220
+80...+2000 mbar	10000 mbar	1 A			020
+120...+2200 mbar	10000 mbar	6 A			022
+1000...+6000 mbar	10000 mbar	6 A			060



## Technical data and Order code Typ DSV 625

Order code:		DSV 625	x	xH	xxx
<b>Diaphragm</b>					
NBR	nitril-caoutchouc		1		
FPM	fluoride-caoutchouc (FKM)		2		
EPDM	ethylene-propylene-caoutchouc		3		
MVQ	silicon-caoutchouc		4		
<b>Connection</b>					
G <sup>1</sup> / <sub>8</sub> A	aluminium			1	
M12x1	aluminium			2	
G <sup>1</sup> / <sub>4</sub> A	aluminium			3	
G <sup>1</sup> / <sub>4</sub> A	brass			4	
<b>Measuring range vacuum</b>	<b>max. Operation pressure</b>	<b>Contact rating 250 V</b>			
-4...-30 mbar	100 mbar	1 A			030
-15...-80 mbar	500 mbar	6 A			080
-30...-150 mbar	500 mbar	6 A			150
-50...-600 mbar	10000 mbar	6 A			600
-100...-900 mbar	10000 mbar	6 A			900



## Accessories

Covering hood made of plastic