

## DIFFERENTIAL PRESSURE SWITCHES MODEL PS



### Model summary and technical data

Model code	Pressure range	Switching difference	Accuracy of switching point Low limit typ.	Accuracy of switching point High limit typ.	Electrical rating resistive load	Electrical rating inductive load
-5A for 5A microswitch						
PS200	20...200 Pa	10 Pa	20Pa $\pm$ 5 Pa	200Pa $\pm$ 20Pa	0,1A / 250VAC	-
PS300 (-5A)	30...300 Pa	20 Pa	30Pa $\pm$ 5 Pa	300Pa $\pm$ 30Pa	3A / 250VAC *)	2A / 250VAC
PS500 (-5A)	30...500 Pa	20 Pa	30Pa $\pm$ 5 Pa	500Pa $\pm$ 30Pa	3A / 250VAC *)	2A / 250VAC
PS600 (-5A)	40...600 Pa	30 Pa	40Pa $\pm$ 5 Pa	600Pa $\pm$ 30Pa	3A / 250VAC *)	2A / 250VAC
PS1500 (-5A)	100...1500 Pa	80 Pa	100Pa $\pm$ 10Pa	1500Pa $\pm$ 50Pa	3A / 250VAC *)	2A / 250VAC
PS4500	500...4500 Pa	180 Pa	500Pa $\pm$ 50Pa	4500Pa $\pm$ 200Pa	5A / 250VAC	2A / 250VAC

\*) 5A / 125VAC with 5A micro switch

#### Materials

Housing	ABS
Cover	PC
Membrane	silicone
Duct connectors	ABS
Tubing	PVC, soft

#### Connections

Electrical connections	3 screw terminals
Cable entry	M16
Pressure connections	Male $\varnothing$ 5 mm

#### Weight

150 grams (350 grams with accessories)

#### Ambient and operation conditions

Operation temperature	-20...+60°C
Storage temperature	-40...+85°C
Maximum pressure	50 kPa
Admissible media	Air and non-aggressive gases
Service life	> 1 000 000 switching operations

**Safety**

IP Protection standard IP54  
 Conformity  
 Meets the requirements for CE marking:  
 EMC directive 89/336/EEC  
 Rohs Directive 2002/95/EY  
 Low voltage 73/32/EEC

**Accessories**

Standard accessories:  
 2 fixing screws  
 2 plastic duct connectors  
 2 m tube  $\varnothing$  4 / 7 mm

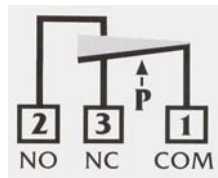
Optional accessories:  
 metal duct connectors (to be ordered separately)

**Mounting position**

To be installed vertical position, either the pressure inlets or the electrical cable downwards.



**Connection terminals**



when differential pressure increases:  
 1 – 3 open  
 1 – 2 close

**Dimensions**

