

DIFFERENTIAL PRESSURE SWITCHES MODEL PS



Model summary

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
PS200	20...200 Pa	20 Pa	20Pa \pm 5 Pa	200Pa \pm 20Pa	0,1A / 250VAC	-
PS300	30...300 Pa	20 Pa	30Pa \pm 5 Pa	300Pa \pm 30Pa	3A / 250VAC	2A / 250VAC
PS500	30...500 Pa	20 Pa	30Pa \pm 5 Pa	500Pa \pm 30Pa	3A / 250VAC	2A / 250VAC
PS600	40...600 Pa	30 Pa	40Pa \pm 5 Pa	600Pa \pm 30Pa	3A / 250VAC	2A / 250VAC
PS1500	100...1500 Pa	80 Pa	100Pa \pm 10Pa	1500Pa \pm 50Pa	3A / 250VAC	2A / 250VAC
PS4500	500...4500 Pa	250 Pa	500Pa \pm 50Pa	4500Pa \pm 200Pa	5A / 250VAC	2A / 250VAC

Accessories

Standard accessories:

- 2 fixing screws
- 2 plastic duct connectors
- 2 m tube \varnothing 4 / 7 mm

Optional accessories:

- metallic duct connectors

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Technical data

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 Ø 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 2004/108/EC Rohs Directive 2002/95/EY Low voltage 73/32/EEC

Mounting position

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



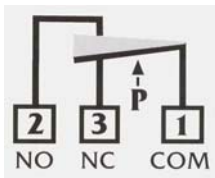
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Connection terminals



When differential pressure increases:

1 – 3 open

1 – 2 close

Dimensions

