



## DIFFERENTIAL PRESSURE SWITCHES MODEL PS



### Model summary

| Model code | Pressure range |
|------------|----------------|
| PS200      | 20...200 Pa    |
| PS300      | 30...300 Pa    |
| PS500      | 30...500 Pa    |
| PS600      | 40...600 Pa    |
| PS1500     | 100...1500 Pa  |
| PS4500     | 500...4500 Pa  |

### 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)

### Technical data

#### Technical interface

|                        |  |        |
|------------------------|--|--------|
| Type of switch         | sub miniature switch<br>- with silver contacts for PS300/500/600/1500/4500<br>- with gold contacts for PS200 |        |
| Electrical ratings     | max. 3 A resistive (0,1 A for PS200, 5 A for PS4500)<br>max. 2 A inductive                                   |        |
| Voltage against earth  | Max. 250 VAC   |        |
| Switching differential | PS200  | 10 Pa  |
|                        | PS300/500  | 20 Pa  |
|                        | PS600  | 30 Pa  |
|                        | PS1500   | 80 Pa  |
|                        | PS4500   | 180 Pa |
| Service life           | > 1 000 000 switching operations   |        |



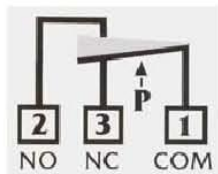
|                           |   |  |
|---------------------------|---|--|
| <b>Product data</b>       | Maximum pressure                        | 50 kPa   |
|                           | Admissible media                        | Air and non-aggressive gases   |
| <b>Materials</b>          | Housing                                 | ABS  |
|                           | Cover                                   | PC   |
|                           | Membrane                                | silicone   |
|                           | Duct connectors                         | ABS  |
|                           | Tubing                                  | PVC, soft  |
| <b>Connections</b>        | Electrical connections                  | 3 screws terminals   |
|                           | Cable entry                             | PG 9   |
|                           | Pressure connections                    | Male $\varnothing$ 5 mm  |
| <b>Weight</b>             | 150 grams (350 grams with accessories), |  |
| <b>Ambient conditions</b> | Operation                               | -20...+60°C  |
|                           | Storage                                 | -40...+85°C  |
| <b>Safety</b>             | Protection standard                     | IP54   |
|                           | Conformity                              | meets the requirements for CE marking as defined in EC directive low voltage 73/32/EEC |

### Mounting position

The pressure switch is factory-calibrated in the vertical position. If installed horizontally, this will affect the switching point as follows:

- with cover facing upwards, switching point is 15 Pa higher than scale
- with cover facing downwards, switching point is 15 Pa lower than scale

### Connection terminals



when differential pressure increases:

- 1 – 3 open
- 1 – 2 close

### Dimensions

