

# DIFFERENTIAL PRESSURE SWITCHES DPS SERIES

## FOR AIR CONDITIONING / VENTILATION, USER-ADJUSTABLE CURRENT OUTPUT

- Switching-point easily adjustable with scale in Pascal
- Direction of M20x1.5 conduit entry can be rotated in steps of 120°;
- Only one screw needed for housing cover.



### Technical Specification

Max. operating pressure	10 kPa
Pressure media	air, non-flammable gases, and non-aggressive gases
Pressure connections	two plastic tubes, outside diameter: 6.0 mm
Switching capacity	1.5 A, (0.4) /250 Vac
Electrical connections	AMP connectors, 6.3 x 0.8, DIN 46244 or screw terminals
Conduit entry	M20x1.5
Protection class	IP 54
Mounting lugs	integrated in bottom housing (alternative: mounting angles)
Medium/ambient temp.	-20...+85 °C
Storage temperature	-40...+85 °C
Membrane material	Silicone

### APPLICATION

Differential pressure switches e.g. for monitoring filter, fan, fire damper, or air flow status of air handling systems.

### APPROVALS

- CE according to 2006/95/EC.
- Switch according to VDE 0630.
- EC Gas Appliance Directive 2009/142/EC according to DIN EN 1854: 2010.
- ROHS 2011/65/EC.
- **ETL** (Eurasian Conformity)

### DIMENSIONS

See "Mounting/Einbau/Montage" on page 4.

## OPERATING RANGES

Type	Adjustment range for upper trip pressure*	Switching difference (Hysteresis)	Tolerance at adjusted switch-point
DPS 200	20...200 (Pa)	10 (Pa)	±20%
DPS 400	40...400 (Pa)	20 (Pa)	±15%
DPS 500	50...500 (Pa)	20 (Pa)	
DPS 1000	200...1000 (Pa)	100 (Pa)	
DPS 2500	500...2500 (Pa)	150 (Pa)	

\*The trip pressure refers to vertical mounting. In case of horizontal mounting (with the cover pointing upwards), the range values increase by 20 Pa.

## CONTENTS OF DELIVERY

The delivery includes (in the case of individual packages) the following parts:

- **1 DPS Differential Pressure Switch**
- **1 Data Sheet with installation information**
- **1 DPSA duct kit, consisting of:**
  - 2 m of silicone hosing
  - 2 joining pipes with four screws
  - 2 self-tapping screws for mounting the housing
  - 3 terminal screws for electrical installation

Bulk packages available, upon request.

## ACCESSORIES / DELIVERY OPTION

- DPST: Set of three screw terminals
- DPSJ: Joining pipe (part of DPSA duct kit)
- DPS...B in bulk pack (45 pc. per box), without accessories, but with 1 set of Mounting Instructions

For more information,  
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