



## Flow Monitor DPP 06 L

Vane switch, mechanical, with paddle, with switching output



D-EN-DPP06L-20190313

- Low sensitivity to dirt
- High switch rating
- Suitable for open ducts



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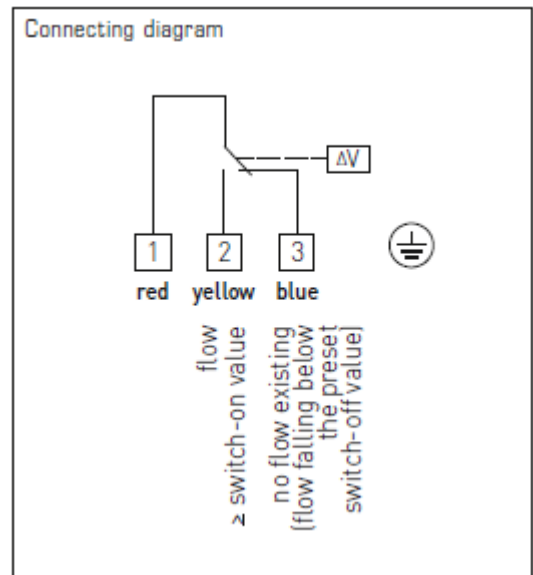
### Function

Mechanical paddle vane switch, paddle switch, flow sensor or vane switch relay **DPP 06 L**. It is used for flow monitoring of gaseous, non-aggressive media in ventilation and air conditioning ducts, in air intake and exhaust devices of ventilators or electric heating registers (also for contaminated, oily air), or as flow controller and airflow monitor.

### Application

- Cooling systems and cooling circuits
- Heating plants and air conditioners
- Protection against dry running
- Research and development

Switch values				
	Switch-on value		Switch-off value	
Type	min	max.	min	max.
DPP 06 L-1E	2.5 m/s	9.2 m/s	1 m/s	8 m/s
Spare part PWFS-08	Spare paddle for DPP 06 L (stainless steel vane)			



### Important instructions!

Technical changes and errors reserved.

Pictures can be similar.

The operating instructions belonging to this device must be observed! Download at [www.schmidt-messtechnik.com](http://www.schmidt-messtechnik.com).



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Technical data	
Switching capacity (Contact load)	15 (8) A; 24...250 V AC At 24 V AC min. 150 mA
Contact	dustproof microswitch as potential-free single-pole changeover contact
Enclosure	plastic, UV-stabilised, material polyamide, 30 % glass-globe reinforced, colour traffic white (similar to RAL 9016)
Enclosure dimensions	108 x 70 x 73,5 mm (Thor2)
Base body	galvanised steel
Moving arm	Brass
Vane	stainless steel V2A (1.4301)
Cable gland	M 20x1.5; including strain relief
Enclosure temperature	-40°C...+85°C
Operating difference	≥ 1 m/s
Electrical connection	0,14...1,5 mm <sup>2</sup> , via screw terminals
Protection class	I (according to EN 60730)
Protection type	IP 65 (according to EN 60529)
Standards	CE-conformity, EMV directive 2004/30/EU, low voltage directive 2014/35/EU

Function	
Monitor	Contact 1 - 3 breaks when flow rate drops to the preset value. Simultaneously, contact 1 - 2 closes and can be used as signal contact. Device is factory-set to the minimum switch-off value, which can be increased by turning the range adjusting screw clockwise.
Installation	vertical in horizontal air ducts. Min. smoothing distance = 5 x duct diameter upstream and downstream of vane. For airspeeds > 5 m/s, vane is to be trimmed at the marked spots. Thereby the minimum switch-off value increases to approx. 2.5 m/s and the minimum switch-on value to approx. 4 m/s.

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