Filterfan® PF 1.000

PF 1.000

For versatile incorporation into equipment. Examples are in the medical industry, in EDP equipment, warning and control enclosures and also for low power applications.

IP 43 — System of protection

AC

DC

click and fit!

Germanischer Lloyd

RAL — Colour

Installation without tools

| Airflow data:	PF 1.000
Filter material (standard grade)	150 g/m²
Unimpeded airflow	24 m³/h; 50 Hz / 28 m³/h; 60 Hz
Capacity free-flow	8 W/K / 9 W/K
Airflow in combination (ilterfan® + Exhaust Filter)	15 m³/h; 50 Hz / 17 m³/h; 60 Hz (PF 1.000 + PFA 1.000)
Capacity in combination (Filterfan® + Exhaust Filter)	5 W/K / 6 W/K (PF 1.000 + PFA 1.000)
Max. static pressure (Airflow = 0 m³/h)	29 Pa
Filtration efficiency	73%
Filter material grade (DIN EN 779)	G 2
Noise level (DIN 45 635)	39 dB (A)
Duty cycle	100%

Technical data:	PF 1.000	
	AC	DC
Outside dimensions in mm (Height x Width x Installation depth)	105 x 105 x 52	105 x 105 x 44
Bearing type	sleeve bearings	ball bearings
Fitting position	horizontal – vertical	any
Construction	housing and guard of sprayed thermoplastic (PC-FR) self-extinguishing, UL 94 VO	
Weight	0,60 kg	0,45 kg
Safety protection	in accordance with DIN 31 001	
Colour	RAL 7035, RAL 7032 or black, other colours on request	
Connections	2 wires, 310 mm long	

Electrical data:	PF 1.000				
	AC 50 Hz / 60 Hz		DC		
Rated voltage	230 V	115 V	12 V	24 V	48 V
Range of operation	187 V … 253 V	97 V … 127 V	7 V … 15 V	14 V … 28 V	36 V … 56 V
Power consumption	12 W / 11 W	12 W / 11 W	2,4 W	2,4 W	2,6 W

Airflow data:
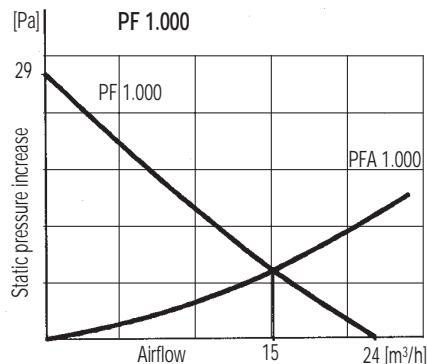
Mechanical data:

Installation cutout

Installation cutout
92 mm x 92 mm*
standard punch size
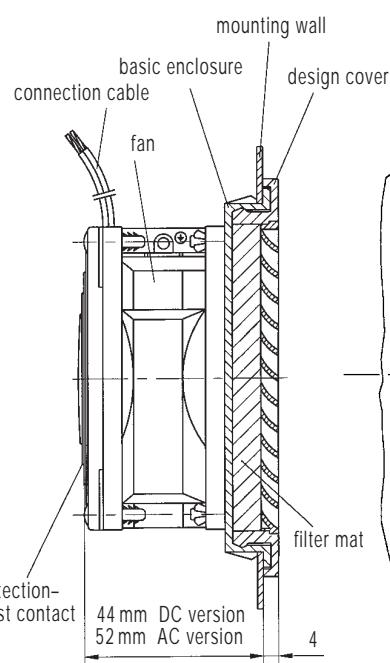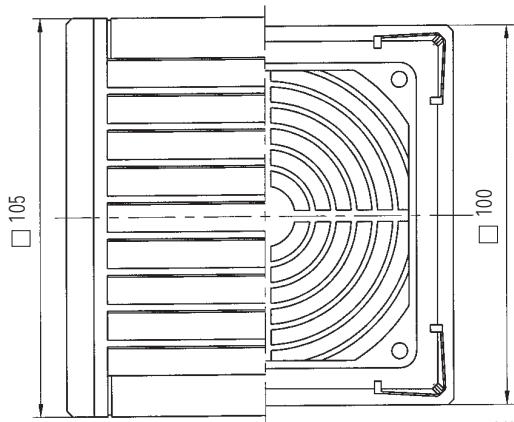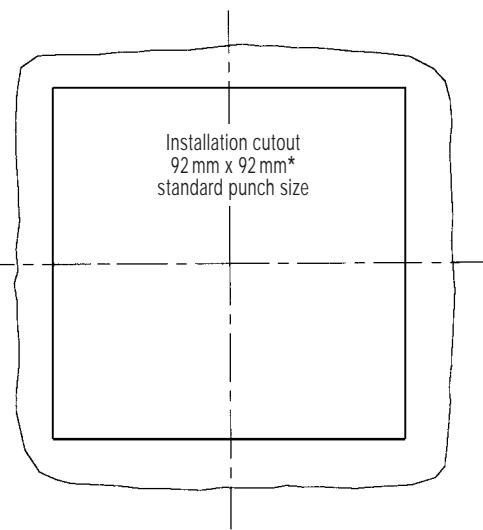
Supplementary data:	AC	DC
Climatic data		
Operating temperature	−10 °C (+ 14 °F) to + 60 °C (+ 140 °F)	− 20 °C (- 4 °F) to + 60 °C (+ 140 °F)
Storage temperature	− 20 °C (- 4 °F) to + 70 °C (+ 158 °F)	
Max. relative humidity	90%	
System of protection	IP 43 (EN 60 529), when installed as specified, not for outdoor-application	
Basic parts kit	standard filter, mounting- and user manual	
Accessories	radiant heater, fan heater, thermostat, see Thermal Management	
Approvals	Germanischer Lloyd (GL), UL approval see overview filter fans	
* Tolerance installation cutout	$92 \, {}^{+1}_{-0}$	