



- 15 / 30 watts output power
- DIN-rail mounting
- Wide range input 94 - 264 VAC
- Output permanent short-circuit proof and SELV according to EN 60950
- Overtemperature protection
- Mains buffering 40 ms

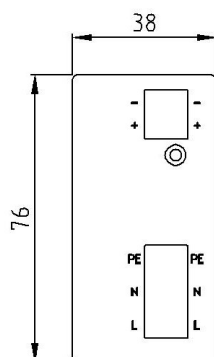
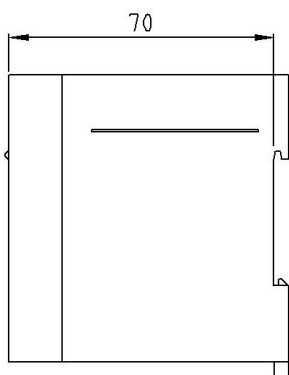


PH15:

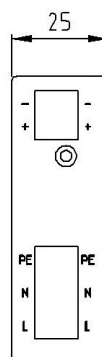


C US
 CSA 22.2-60950
 CSA 22.2-107
 UL 60950
 UL 508

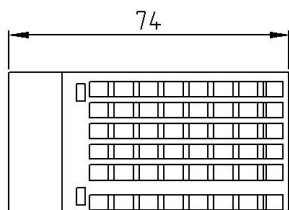
PH30:



PH30



PH15



Dimensions (LxWxH)

PH15: 25 x 76 x 74 mm



PH30: 38 x 76 x 74 mm

Please ensure a distance of approx. 20 mm of the air openings at the top and at the bottom of the device from surrounding.

ORDER DATA		ORDER NUMBERS
Vo V	Io A	Typ-No DIN rail
24	0 - 0.625	PH15-2406A 15.8247.000
5	0 - 5	PH30-0505 15.8240.800
12	0 - 2.5	PH30-1202 15.8240.900
15	0 - 2	PH30-1502 15.8241.000
21	0 - 1.25	PH30-2101* 15.8242.600
24	0 - 1.25	PH30-2401 15.8241.100

* without UL-Approval

**AC / DC POWER SUPPLY
PRIMARY SWITCHED · SINGLE OUTPUT
PH 15 / PH 30 SERIES**

1. INPUT		6. EMC	
Input voltage range	94 - 264VAC, 50/60 Hz	Interference immunity	EN61000-6-2
Efficiency	77 - 87%	ESD	EN61000-4-2 Intensity 4
Input current limitation	$\leq 20 A_{peak}$ in cold state $\leq 30 A_{peak}$ in hot state	EN61000-4-3	Noise level 10V/m
Internal fuse	2.5 A flink	Burst (input/output)	EN61000-4-4 Intensity 4
2. OUTPUT		Surge (input/output)	EN61000-4-5 Intensity 4
Tolerance of $V_{o_{nominal}}$	+2% / -1%, at 5V + 3%	EN61000-4-6	Noise level 10V
Operation indicator	green LED	EN61000-4-11	
Ripple	$< 50 mV_{ss}$	Interference emission	EN61000-6-3
Noise voltage	$< 150 mV_{ss}$	EN55011, EN55022 class B	depends on assembly
Temperature coefficient	$\leq 0.025\% / K$	7. OPERATING DATA	
Switch on/switch off	No overshooting of V_o (soft-start)	Temperature range	0...70°C, at free convection
Rise-delay time	$\leq 0.8 s$	Derating	2.5% / K at +50°C (see diagram)
Run-up time	$\leq 30 ms$	Weight	130 g / 150 g
3. REGULATION		The distance between the surrounding components and the air admission and air exit holes should be at least 20 mm. Please ensure that exhaust air is not immediately sucked in again.	
Line regulation	$< 0.2\%$ für for V_o at $V_{i_{min}} - V_{i_{max}}$	8. MECHANICS	
Load regulation	$< 0.5\%$ for V_o at I_o 0 - 100% (1% at 5 V)	Connection	Mains input: 3 pins terminal, plugable, strand / wire 1.0 - 2.5 mm ²
Response time	$< 0.5 ms$ at I_o 20 - 80%	Load output: 2 pins terminal, plugable, strand / wire 1.0 - 2.5 mm ²	
4. PROTECTION AND CONTROLLING		Tightening torque	0.8 Nm / 7 lb in.
Overvoltage protection	$< 130\%$ of $V_{o_{nominal}}$	Assembly	All devices can be snapped onto a symmetrical 35 x 7.5 mm DIN-rail according to DIN 50022
Current limitation	105 - 200% / 250% $I_{o_{nominal}}$	9. EXPLANATION	
Output permanent short-circuit proof		PE	 Protective conductor Do not use supply without PE-connection!
Overtemperature protection	Switches off if inside temperature becomes too high, periodical re-start	 Please refer to the MGV user instructions before use. (also in internet www.mgv.de)	
Mains buffering	$> 40 ms$ (at $V_i = 187VAC$)		
5. SAFETY / STANDARDS			
PH15	IEC 60950 / EN 60950 / VDE 0805 Safety class 1 UL508 listed, UL 60950 CSA 22.2-60950, CSA 22.2-107		
PH30	IEC 60950 / EN 60950 / VDE 0805 Safety class 1 UL508 listed, UL 60950, CSA 22.2-60950		

Vertical installation

Horizontal installation

