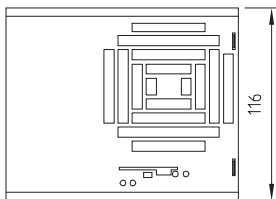
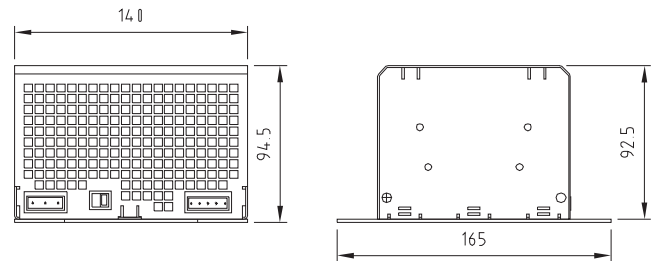
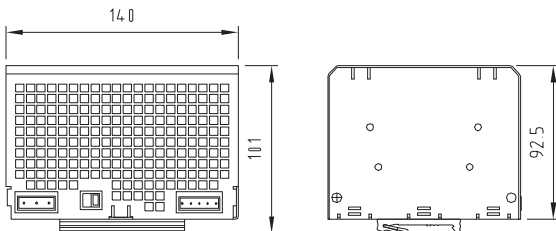
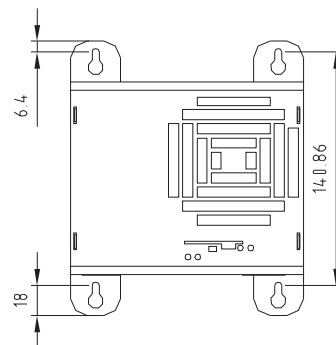




- Assembly kits for DIN-rail or wall mounting
- Input: 120/230 VAC switchable
- Overtemperature protection
- Output SELV according to EN 60950 and permanent short-circuit proof
- Operational in every installation position by integrated fan



DIN-rail mounting



Wall mounting

ORDER DATA		<i>Order numbers in italics</i>	
V_o	I_o	Type No. DIN-rail	Type No. Wall mounting
24	0 – 10	PH251-2410A <i>15.8044.100</i>	PH251-2410A <i>15.8044.105</i>
27	0 – 10	PH251-2710A <i>15.8044.500</i>	PH251-2710A <i>15.8044.505</i>

Please ensure a distance of approx. 50 mm of the air inlet openings at the front of the housing and of the air outlet openings at the top and at the bottom of the device from surrounding components or surfaces. Also make sure during installation that outgoing air will not be once more sucked into the device.

**AC / DC POWER SUPPLY
PRIMARY SWITCHED MODE
SINGLE OUTPUT
P 251 A SERIES**

INPUT		EMC	
Input voltage range	AC 187 – 264 V, 50/60 Hz mechanical switchover to AC 90 – 138 V	Mains feedback (PFC)	EN 61000-3-2: 1995 Class A
Efficiency	> 85%	Flicker	EN 61000-3-3
Input current limitation	≤ 25 A _{peak} typ. – in cold state ≤ 30 A _{peak} typ. – in hot state	Interference suppression/ interference immunity	EN 61000-6-2 Intensity 4 EN 61000-4-2 Noise level 10 V/m EN 61000-4-3 Intensity 4 EN 61000-4-4 Intensity 4 EN 61000-4-5 Intensity 4 EN 61000-4-6 Noise level 10 V EN 61000-4-11
Internal fuse	6.3 AT	Interference emission	EN 50081-1: 1992 EN 55011 / EN 55022 Class B, interference transmission depends on assembly
OUTPUT		OPERATING DATA	
Tolerance of V _{nominal}	+8% / -0%	Temperature range	0...+70°C, internal, temperature-controlled ventilator, air intake at the front
Max. output	240 W	Derating	5% / K at +60°C
Operation indicator	Green LED for V _o	Weight	1.2 kg
Ripple	< 50 mV _{pp}	In general, kindly refer to the MGV user instructions before use. Fire protection has to be ensured by the surrounding housing system.	
Noise voltage	< 100 mV _{pp} typ. (band width 20 MHz)	MECHANICS	
Temperature coefficient	≤ 0.025% / K	Connection	Mains input: 3 poles, 0.75 – 6 mm ² Load output: 2 poles, 2.5 – 6 mm ²
Switch on/switch off performance	No overshooting of V _o (soft-start)	Assembly	All systems can be snapped onto a sym- metrical 35 x 7.5 mm DIN-rail (EN 50022) or mounted onto a sidewall with mounting plates.
Rise-delay time	≤ 2 s	EXPLANATION	
Run-up time	typ. 50 ms	PE ⊕	Protective conductor Do not use supply without PE-connection!
REGULATION		L1 / N	Mains phase/neutral conductor
Line regulation	< 0.1% for V _o at V _{imin} – V _{imax}	+/-	Load connections
Load regulation	< 0.4% for V _o at I _o 0 – 100%	ADDITIONAL FUNCTIONS UPON REQUEST	
Response time	< 0.5 ms at I _o 20 – 80%	Power Boost	140% I _{nominal} up to 3 s, constantly repeating
PROTECTION AND CONTROLLING		Power-Good-Signal („DC OK“)	For direct drive of a relay, additionally red LED for DC fail
Overvoltage protection	125% ±5% V _{nominal} , conforming to preset V _o and automatically repeating	Remote on/off	alternative to Power-Good-Signal
Current limitation	110 – 140% I _{nominal} , straight characteristic Output permanent short-circuit proof	Adjustment range V _o	22 – 29 V
Overtemperature protection	Switches off if inside temperature becomes too high, reconnection with hysteresis	Parallel operation mode	
Mains buffering	typ. 30 ms		
SAFETY			
IEC 60950 / EN 60950 / VDE 0805 Safety Class I / VDE 0100 / VDE 113 UL 508 Listed / UL 60950 / CSA 22.2-60950 EN 60204 / EN 50178			

