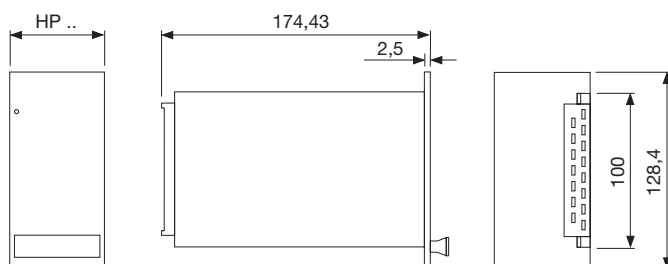




- 19" plug-in module
- Wide range input 90 – 264 VAC
- Mains buffering 140 ms
- Power Fail signal
- Output permanent short-circuit proof and SELV according to EN 60950
- Overvoltage protection




3U

Front panel: 6HP – 30.1
 Front panel: 8HP – 40.3

ORDER DATA				<i>Order numbers in italics</i>	
Vo V	Io A	Width HP	Height U	Type No.	
5	0 – 10	6	3	P60-05101 <i>15.8241.302</i>	
12	0 – 5	6	3	P60-12051 <i>15.8241.402</i>	
15	0 – 4	6	3	P60-15041 <i>15.8241.502</i>	
24	0 – 2.5	6	3	P60-24021 <i>15.8241.602</i>	
Additional output voltages upon request					
Additionally:					
Front panel 6TE (natural anodized)				33.1582.020.011	
Front panel 8TE (natural anodized)				33.1582.021.011	
Assembly kit for DIN-rail				15.7140.000.190	
Assembly kit for wall mounting				15.7140.000.290	

**AC / DC POWER SUPPLY
PRIMARY SWITCHED MODE
SINGLE OUTPUT
P 60 SERIES**

INPUT	SAFETY																															
Input voltage range AC 90 – 264V, 50/60 Hz	IEC 60950 / EN 60950 / VDE 0805 Safety Class I, VDE 0100 UL 60950 / CSA 22.2-60950																															
Efficiency 79 – 87%																																
Input current limitation ≤ 16 A _{peak} typ. – in cold state ≤ 30 A _{peak} typ. – in hot state																																
Internal fuse 2 AT	OPERATING DATA																															
OUTPUT	Temperature range 0 to 70°C, at free convection																															
Preset range V _o ±5%	Derating 2.5% / K at +50°C (see diagram)																															
Operation indicator Green LED for V _o	Weight 0.35 kg																															
Ripple < 20 mV _{pp}	Ventilation from bottom to top of the power supply and the housing-specific heatradiation must not be obstructed when installing the power supply. Ensure fire protection by means of the superior housing system.																															
Noise voltage < 80 mV _{pp} typ. (band width 20 MHz)																																
Temperature coefficient ≤ 0.025% / K																																
Switch on/switch off No overshoot of V _o (soft-start)	MECHANICS																															
Start up delay < 1 s	Dimensions 19" plug-in module according to DIN 41494 Part 5																															
Rise time ≤ 30 ms	Connection Connector H 15 / DIN 41612 codable																															
REGULATION	PIN ASSIGNMENT																															
Line regulation < 0.1% for V _o at V _{imin} – V _{imax}	<table border="1" style="width: 100%; text-align: center; border-collapse: collapse;"> <tr> <td rowspan="2" style="writing-mode: vertical-rl; transform: rotate(180deg);">H15 DIN 41612</td> <td>30</td><td>26</td><td>22</td><td>18</td><td>14</td><td>10</td><td>6</td> </tr> <tr> <td>N</td><td>near- mains</td><td>1)</td><td>1)</td><td>-L</td><td>-L</td><td>-F</td> </tr> <tr> <td>32</td><td>28</td><td>24</td><td>20</td><td>16</td><td>12</td><td>8</td><td>4</td> </tr> <tr> <td>PE ⊕</td><td>L1</td><td>Power- Fail</td><td>1)</td><td>1)</td><td>+L</td><td>+L</td><td>+F</td> </tr> </table>	H15 DIN 41612	30	26	22	18	14	10	6	N	near- mains	1)	1)	-L	-L	-F	32	28	24	20	16	12	8	4	PE ⊕	L1	Power- Fail	1)	1)	+L	+L	+F
H15 DIN 41612			30	26	22	18	14	10	6																							
	N	near- mains	1)	1)	-L	-L	-F																									
32	28	24	20	16	12	8	4																									
PE ⊕	L1	Power- Fail	1)	1)	+L	+L	+F																									
Load regulation < 0.1% for V _o at I _o 0 – 100%																																
Response time < 1 ms at I _o 20 – 80%																																
PROTECTION AND CONTROLLING	1) internally connected																															
Overvoltage protection 125% ±5% V _{nominal} , automatic repeat	EXPLANATORY NOTES																															
Current limitation Switches off at exceeding 110% I _{nominal} , automatic repeat, output permanent short-circuit proof	PE ⊕ Protective conductor Do not use supply without PE-connection!																															
Mains buffering 140 ms at 100% load	L1 / N Mains phase / neutral conductor																															
Power-Fail The transistor for the PF-signal is blocked, if the output voltage has reached a value > 95% of the nominal output voltage and the input voltage is > 94 VAC. The transistor becomes conductive > 5 ms before the output voltage drops. The threshold is 90 VAC ±2 V	L Load connection																															
EMC	F Sense connection (Signal line)																															
Mains feedback (PFC) EN 61000-3-2 Class A	For reliable operation of the device, it is necessary to connect +L with +F and -L with -F. Maximum voltage compensation of 0.25 V per line.																															
Flicker EN 61000-3-3																																
Interference suppression/ interference immunity EN 61000-6-2 EN 61000-4-2 Intensity 4 EN 61000-4-3 Noise level 10 V/m EN 61000-4-4 Intensity 4 EN 61000-4-5 Intensity 4 EN 61000-4-11																																
Interference emission EN 50081-1 EN 55022 Class B, Radiation depends on assembly	 Please refer to the MVG user instructions before use (also in internet: www.mvg.de)																															

