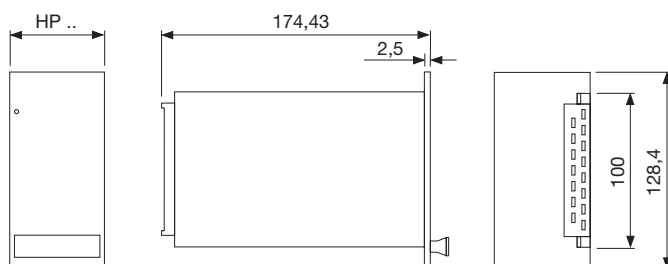




- 19" plug-in module
- Wide range input 90 – 264 VAC
- Mains buffering 140 ms
- Power Fail signal
- Output permanent short-circuit proof and SELV according to EN 60950
- Overvoltage protection



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**

<p>INPUT</p> <p>Input voltage range AC 90 – 264V, 50/60 Hz Efficiency 79 – 87% Input current limitation $\leq 16 A_{peak}$ typ. – in cold state $\leq 30 A_{peak}$ typ. – in hot state Internal fuse 2 AT</p> <p>OUTPUT</p> <p>Preset range V_o $\pm 5\%$ Operation indicator Green LED for V_o Ripple $< 20 mV_{pp}$ Noise voltage $< 80 mV_{pp}$ typ. (band width 20 MHz) Temperature coefficient $\leq 0.025\% / K$ Switch on/switch off No overshoot of V_o (soft-start) Start up delay $< 1 s$ Rise time $\leq 30 ms$</p> <p>REGULATION</p> <p>Line regulation $< 0.1\%$ for V_o at $V_{imin} - V_{imax}$ Load regulation $< 0.1\%$ for V_o at $I_o 0 - 100\%$ Response time $< 1 ms$ at $I_o 20 - 80\%$</p> <p>PROTECTION AND CONTROLLING</p> <p>Overvoltage protection $125\% \pm 5\% V_{nominal}$, automatic repeat Current limitation Switches off at exceeding $110\% I_{nominal}$, automatic repeat, output permanent short-circuit proof Mains buffering 140 ms at 100% load 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 $90 VAC \pm 2 V$</p> <p>EMC</p> <p>Mains feedback (PFC) EN 61000-3-2 Class A 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</p>	<p>SAFETY</p> <p style="text-align: right;">IEC 60950 / EN 60950 / VDE 0805 Safety Class I, VDE 0100 UL 60950 / CSA 22.2-60950</p> <p>OPERATING DATA</p> <p>Temperature range 0 to 70°C, at free convection Derating 2.5% / K at +50°C (see diagram) Weight 0.35 kg</p> <p>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.</p> <p>MECHANICS</p> <p>Dimensions 19" plug-in module according to DIN 41494 Part 5 Connection Connector H 15 / DIN 41612 codable</p> <p>PIN ASSIGNMENT</p> <table style="width: 100%; text-align: center; border-collapse: collapse;"> <tr> <td style="border: none;">H15 DIN 41612</td> <td style="border: 1px solid black; width: 20px; height: 20px;">30</td> <td style="border: 1px solid black; width: 20px; height: 20px;">26</td> <td style="border: 1px solid black; width: 20px; height: 20px;">22</td> <td style="border: 1px solid black; width: 20px; height: 20px;">18</td> <td style="border: 1px solid black; width: 20px; height: 20px;">14</td> <td style="border: 1px solid black; width: 20px; height: 20px;">10</td> <td style="border: 1px solid black; width: 20px; height: 20px;">6</td> </tr> <tr> <td style="border: none;"></td> <td style="border: none;">N</td> <td style="border: none;">near- mains</td> <td style="border: none;">1)</td> <td style="border: none;">1)</td> <td style="border: none;">-L</td> <td style="border: none;">-L</td> <td style="border: none;">-F</td> </tr> <tr> <td style="border: none;"></td> <td style="border: 1px solid black; width: 20px; height: 20px;">32</td> <td style="border: 1px solid black; width: 20px; height: 20px;">28</td> <td style="border: 1px solid black; width: 20px; height: 20px;">24</td> <td style="border: 1px solid black; width: 20px; height: 20px;">20</td> <td style="border: 1px solid black; width: 20px; height: 20px;">16</td> <td style="border: 1px solid black; width: 20px; height: 20px;">12</td> <td style="border: 1px solid black; width: 20px; height: 20px;">8</td> </tr> <tr> <td style="border: none;"></td> <td style="border: none;">PE ⊕</td> <td style="border: none;">L1</td> <td style="border: none;">Power- Fail</td> <td style="border: none;">1)</td> <td style="border: none;">1)</td> <td style="border: none;">+L</td> <td style="border: none;">+L</td> </tr> <tr> <td style="border: none;"></td> <td style="border: none;"></td> <td style="border: none;"></td> <td style="border: none;"></td> <td style="border: none;"></td> <td style="border: none;"></td> <td style="border: none;">+L</td> <td style="border: none;">+F</td> </tr> </table> <p>1) internally connected</p> <p>EXPLANATORY NOTES</p> <p>PE ⊕ Protective conductor Do not use supply without PE-connection!</p> <p>L1 / N Mains phase / neutral conductor L Load connection F Sense connection (Signal line)</p> <p>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.</p> <div style="text-align: center;"> <p>Please refer to the MVG user instructions before use (also in internet: www.mvg.de)</p> </div>	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		PE ⊕	L1	Power- Fail	1)	1)	+L	+L							+L	+F
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