AC / DC POWER SUPPLY for CompactPCI
PRIMARY SWITCHED MODE
QUADRUPL OUTPUT
P 4180 SERIES

- 19" plug-in module
- Autoranging 120/230 VAC
- EMC standards EN 50081-1 and EN 50082-2
- All outputs permanent short-circuit proof and SELV according to EN 60950
- Primary/secondary overvoltage protection
- Overtemperature protection
- Signal output: DERATE
- Assembly kit for DIN-rail or wall mounting

Front panel: 12TE - 60.6
Handle width: 3TE

ORDER DATA

<table>
<thead>
<tr>
<th>Vo1</th>
<th>Io1</th>
<th>Vo2</th>
<th>Io2</th>
<th>Vo3</th>
<th>Io3</th>
<th>Vo4</th>
<th>Io4</th>
<th>Width</th>
<th>Height</th>
<th>Type-No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>+5.1</td>
<td>0 - 20</td>
<td>+3.3</td>
<td>0 - 14</td>
<td>+12</td>
<td>0 - 2</td>
<td>+12</td>
<td>0 - 1</td>
<td>12</td>
<td>3</td>
<td>P4180-030512</td>
</tr>
</tbody>
</table>

Additionally:
Front panel (nature anodized) 33.1594.000.011
Assembly kit for DIN-rail 15.7140.000.190
Assembly kit for wall mounting 15.7140.000.290

MGV Stromversorgungen GmbH · Bayerwaldstraße 27 · 81737 München · Germany
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**SAFETY**

EN 60950 / VDE 0805  
CSA NRTL/C / UL 1950 / CSA 22.2-950

**OPERATING DATA**

Temperature range 0...+70°C, at free convection  
Derating 2% / K at +50°C (see diagram)  
Weight 1.0 kg

Ventilation from bottom to top of the power supply and the housing-specific heat radiation must not be obstructed when installing the power supply. Ensure fire protection by means of the surrounding housing system. In general, kindly refer to the MGV user instructions before use.

**MECHANICS**

Dimensions 19” plug-in module according to DIN 41494 Part 5  
Connection Connector M24/8 / DIN 41612

**PIN CONNECTIONS**

<table>
<thead>
<tr>
<th>13</th>
<th>14</th>
<th>15</th>
<th>16</th>
<th>17</th>
<th>18</th>
<th>19</th>
<th>20</th>
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</thead>
<tbody>
<tr>
<td>1)</td>
<td>1)</td>
<td>1)</td>
<td>OVL</td>
<td>+5VL</td>
<td>+3.3VL</td>
<td>+12VL</td>
<td>-12VL</td>
</tr>
<tr>
<td>+3.3VL</td>
<td>+3.3VL</td>
<td>+3.3VL</td>
<td>+3.3VL</td>
<td>+3.3VL</td>
<td>+3.3VL</td>
<td>+12VL</td>
<td>-12VL</td>
</tr>
<tr>
<td>2)</td>
<td>DEG</td>
<td>1)</td>
<td>+3.3VL</td>
<td>+3.3VL</td>
<td>+3.3VL</td>
<td>+12VL</td>
<td>-12VL</td>
</tr>
</tbody>
</table>

1) internally connected  
2) has to be connected with OVF or OVL

**EXPLANATION**

PE  Protective conductor  
L1 / N  Mains phase / neutral conductor  
L  Load connection (Pin 13 ...... 20 max. 2 A for each contact)  
F  Sense connection  
OVL  Common ground for Vo1, Vo2, Vo3, Vo4  
Sense lines at 5 V  For a safe operating mode of the device, it is mandatory to connect +5VL with +5VF and OVL with OVF.  
Maximum voltage compensation of 0.25 V of each line.