



# Manual for the 3Power

## Introduction

To maintain the CE marking should a separate fuse be used when higher current than 6.3A are used. This is subject when ordered because the onboard fuse is being jumpered. In those cases when you are in need of higher current than 6.3A the preferred choice is to for example mount a DIN rail type or a single hole fuse. The board could either be mounted separately or on a DIN rail, in the last case a mounting kit is needed. If the board is mounted separately the four plastic spacers should be used. The power supply has four outputs marked **- M +** which is the supply for motors. The two outputs marked **- +** are the two low voltage outputs. They can be in the range of 3 – 57V which also are subject when ordered. The two green LEDs indicate when the voltages are OK.

## Connections

The transformers secondary winding-s should be connected to the screw terminal marked **AC in**. Please pay attention that the two poles to the right are parallel the same for the two on the left side. This is very practical when you have a transformer with two secondary windings which should work in parallel. The motor voltage is depending of the transformers AC voltage and can be calculated with the following formula: ( $V_{out}=V_{in} \times \sqrt{2}$ ) and  $V_{in}$  is the transformers secondary voltage.