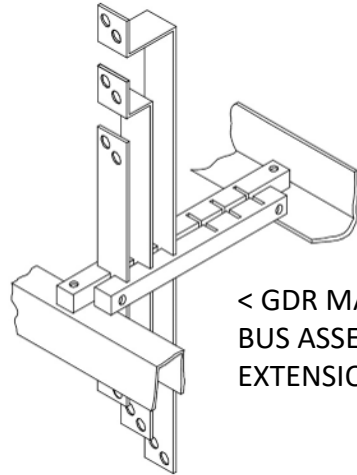


CONTROL TERMINALS

There are three busbar assembly versions. These are suitable for the GDR721, GDR872 and GDR1168.



< GDR MAY ALSO HAVE
BUS ASSEMBLY
EXTENSION LIKE THIS

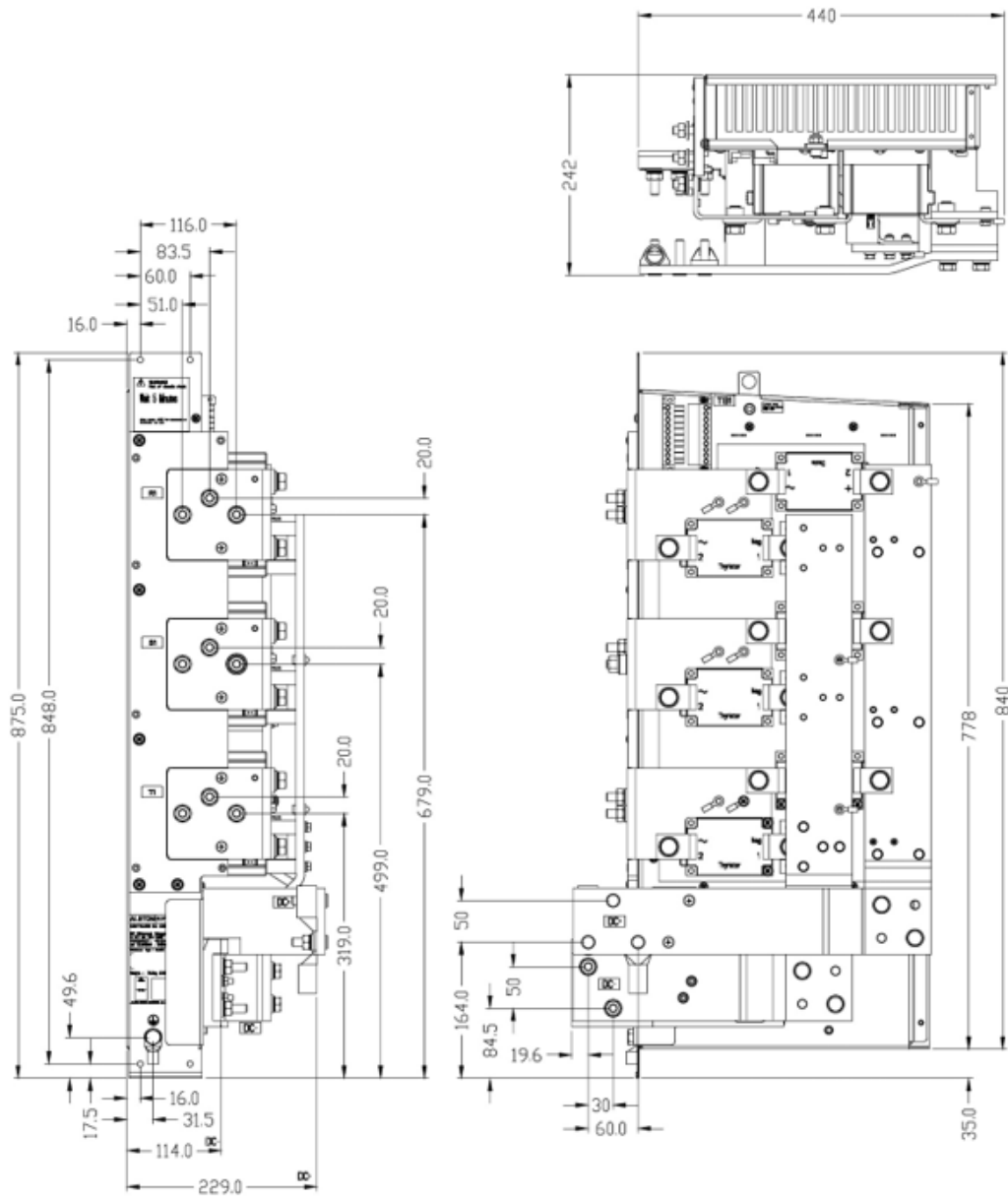
Figure 1-14. - Cubicle Busbar Assembly for GDR721

3 PHASE AC
BUS

GDR***-4601

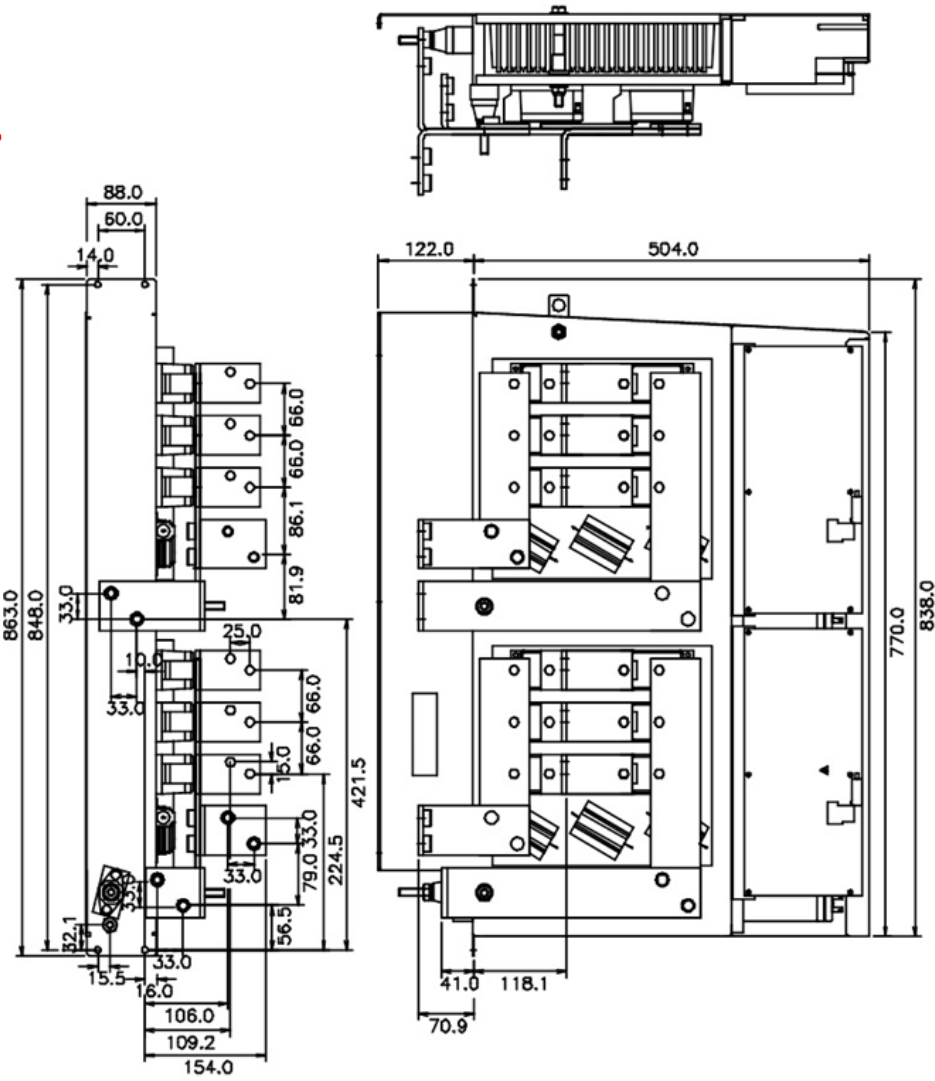
MVR1600-4601

DC BUS



**GDR & MVR1600 ARE
SIMILAR IN DIMENSIONS.
BOTH DESIGNED TO GO
IN STANDARD DELTA
CUBICLE**

10.4.6 GDR1168



Pre-charge and control terminals are different on GDR and MVR1600.

The differences are shown below from the technical manuals.

It should be possible to re-configure the control wiring to make it suit the MVR1600.

Note the 110V a.c. used on the GDR is not needed on the MVR.

11.2.1 MVR1600 Rectifier Bridge

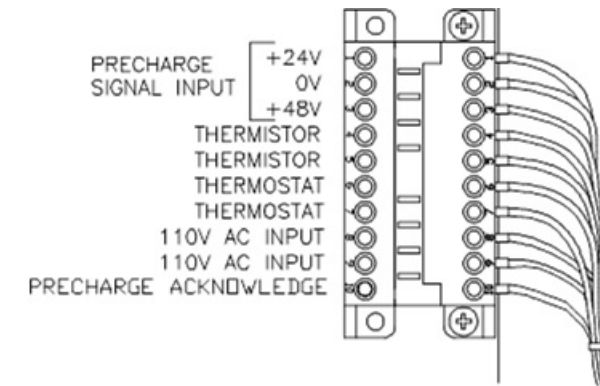
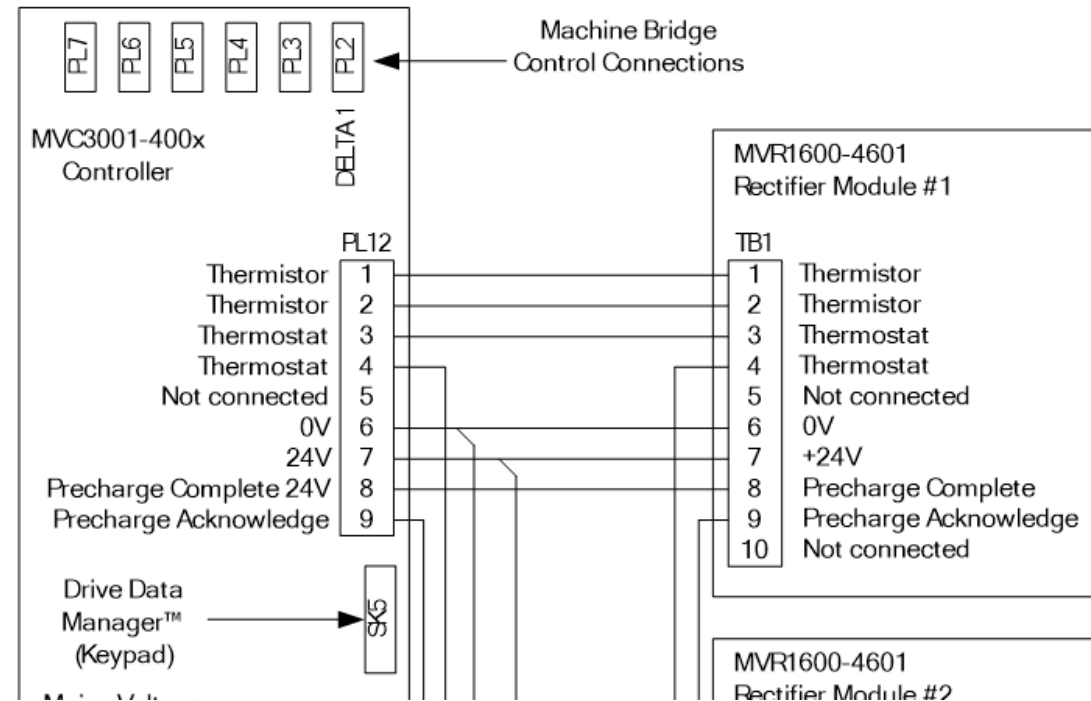


Figure 2-13. - Rectifier Bridge Module Terminals (GDR633-4601, GDR872-4601 & GDR1168-4601)

SUMMARY

- The MVR1600 is NOT plug and play compatible with GDR rectifier. However, it could be made to work.
- Some engineering resource would be needed to plan the conversion. This would be done after you had visited site to study the installation.
- This conversion would likely involve making up extension power cables to route both the DC and AC terminals from the removed GDR to reach the different locations on the MVR.
- The control wiring would need to be slightly modified
- Ensure Delta fans are providing cooling air flow for rectifier and safety shrouds in place as per manuals and data sheets.

