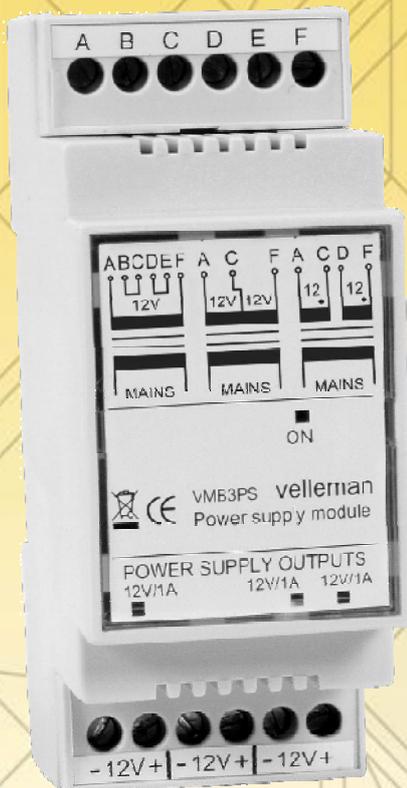


Velleman Home Automation System



VMB3PS

**Power Supply Module
for VELBUS system**

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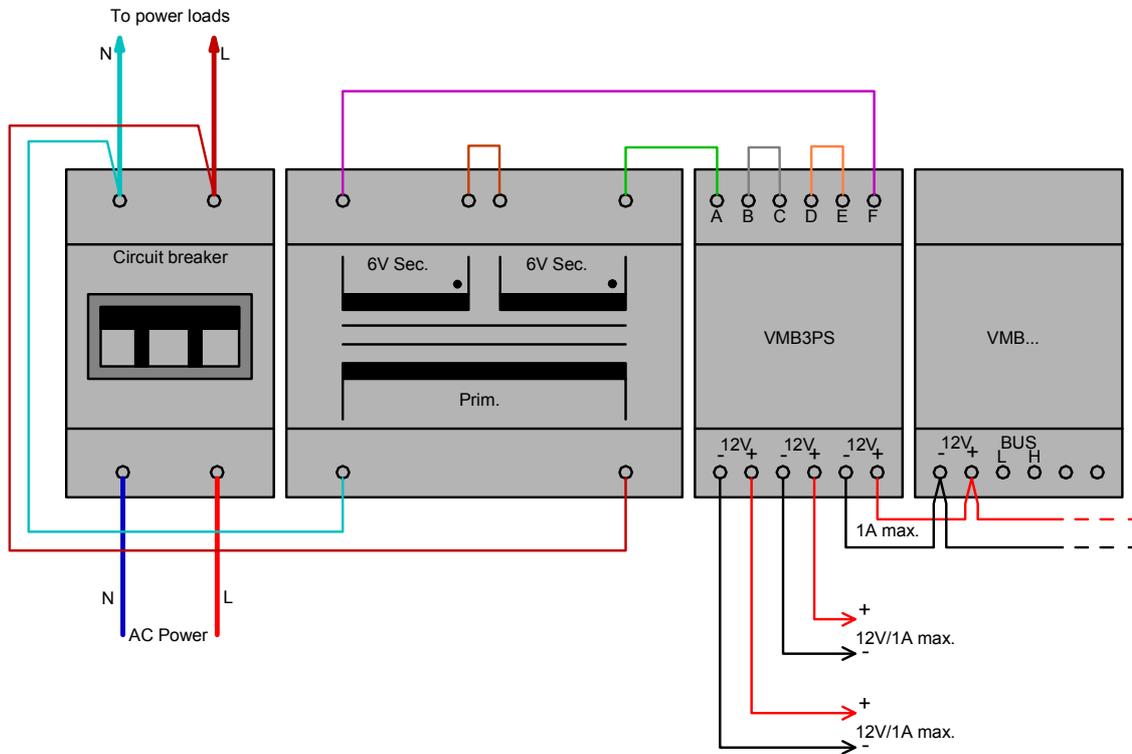
Features:

- ◇ Three 12VDC/1A outputs for powering VELBUS modules.
- ◇ Short-circuit safe
- ◇ LED indicators for input voltage and the 3 output voltages.
- ◇ Connectable to transformer with 1 x 12V or 2 x 12V secondary voltages.
- ◇ Required input tension: 12VAC/3A
- ◇ Standard DIN-rail housing (2 modules)
- ◇ Dimensions (L x W x H): 90 x 36 x 58mm.
- ◇ Weight : 80g

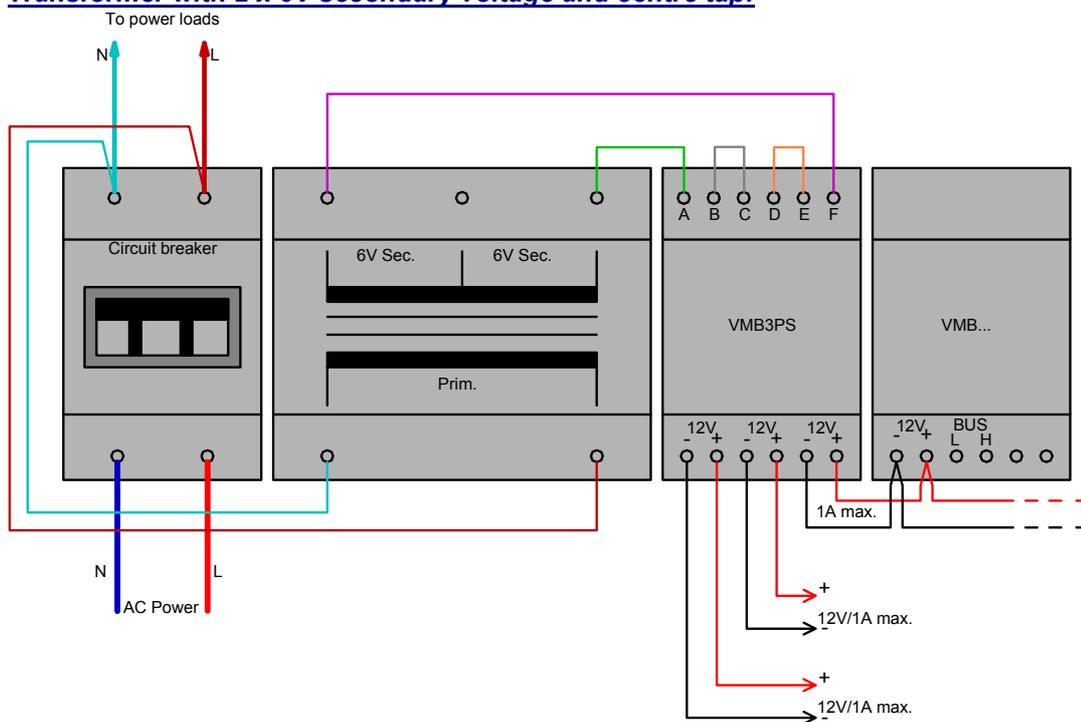
CONNECTION

The power module is equipped with three 12VDC outputs, each delivering 1A. Connect the 12V voltage outputs of the power module to the 12V power inputs of the preceding modules (mind the polarity). Note that the total consumption of the connected modules on one DC output may not exceed 1A. Make sure to use an appropriate wire gauge (1mm² or more) with very long connections. Connect a 12V transformer delivering min. 3A to the power module input. Refer to one of the following connection diagram depending on the transformer:

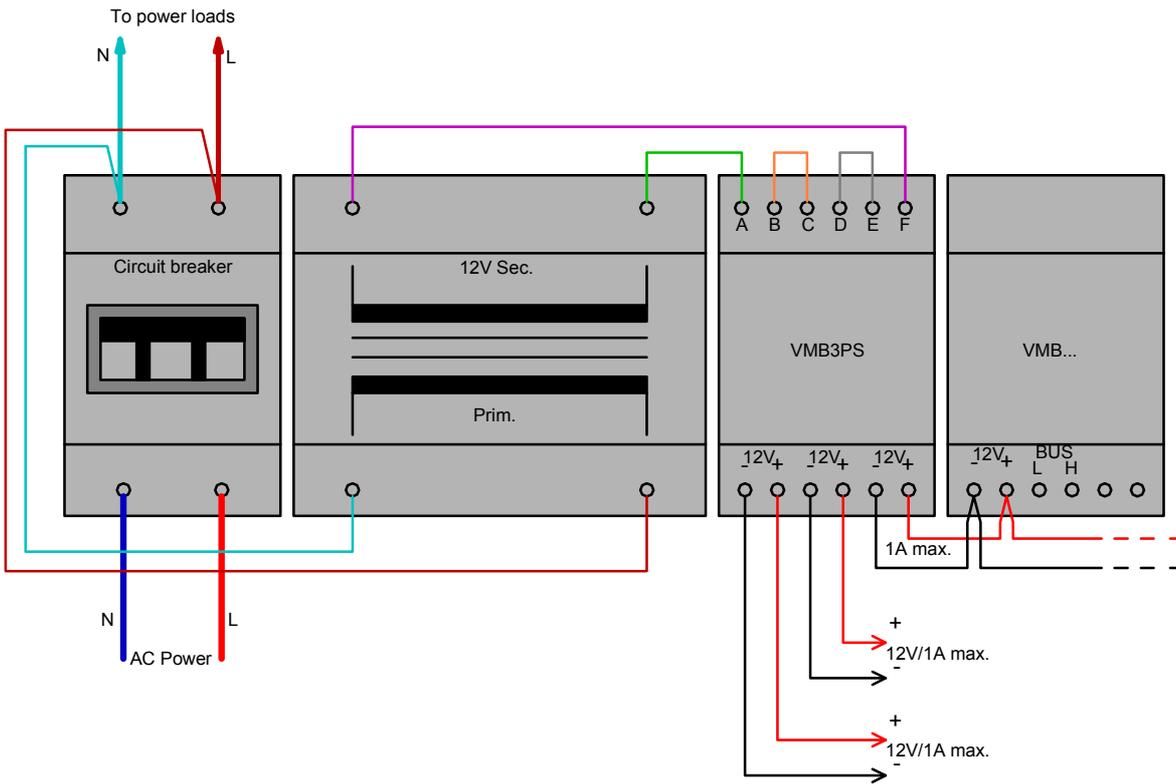
Transformer with 2 x 6V secondary voltage :



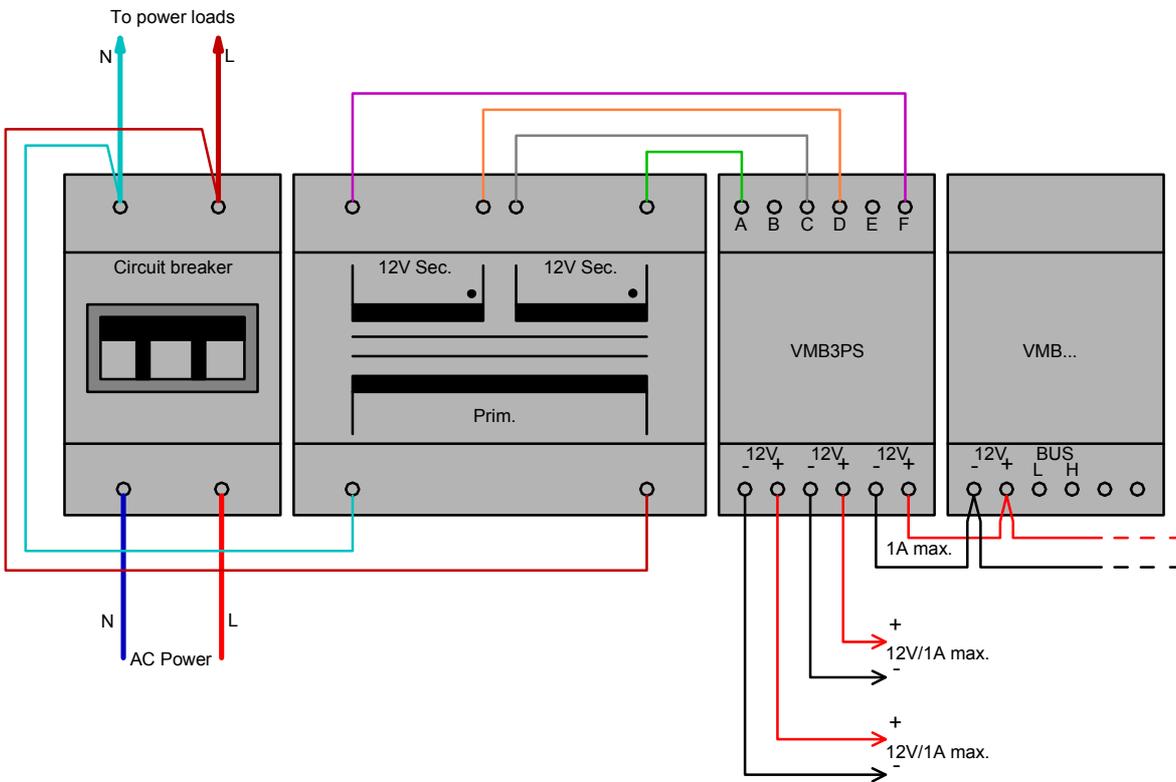
Transformer with 2 x 6V secondary voltage and centre tap:



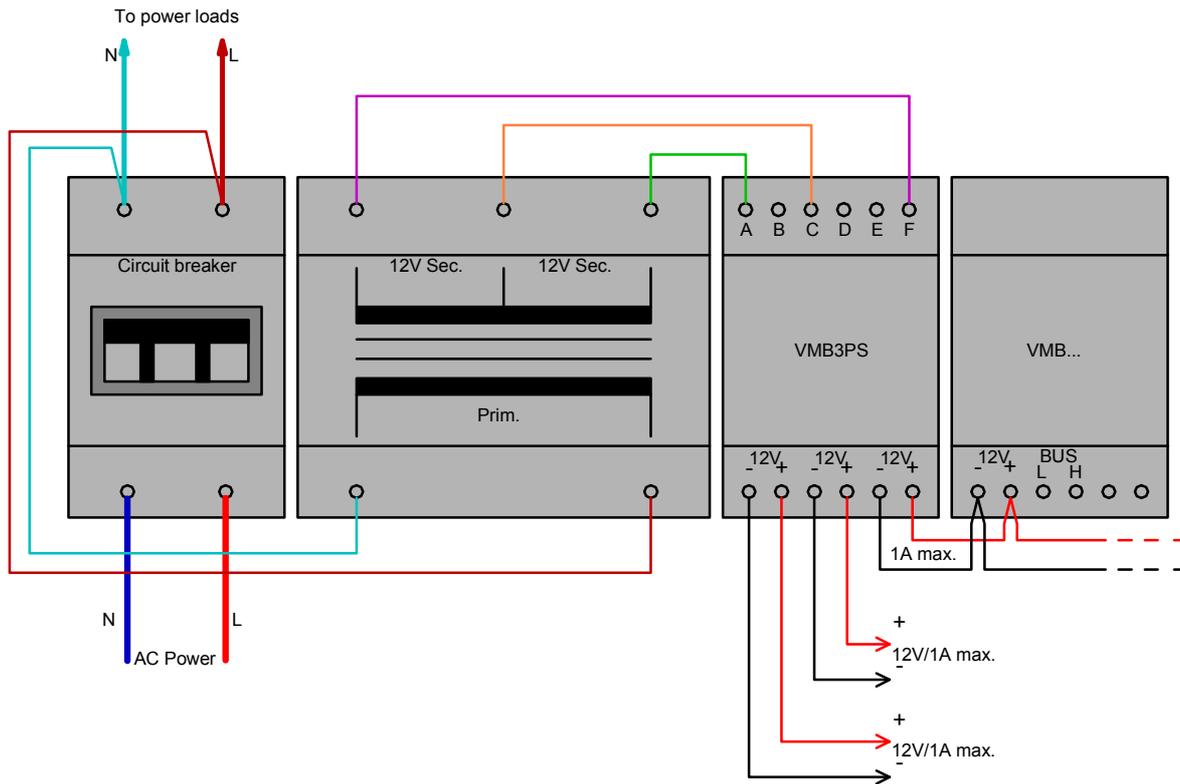
Transformer with 1 x 12V secondary voltage:



Transformer with 2 x 12V secondary voltage:

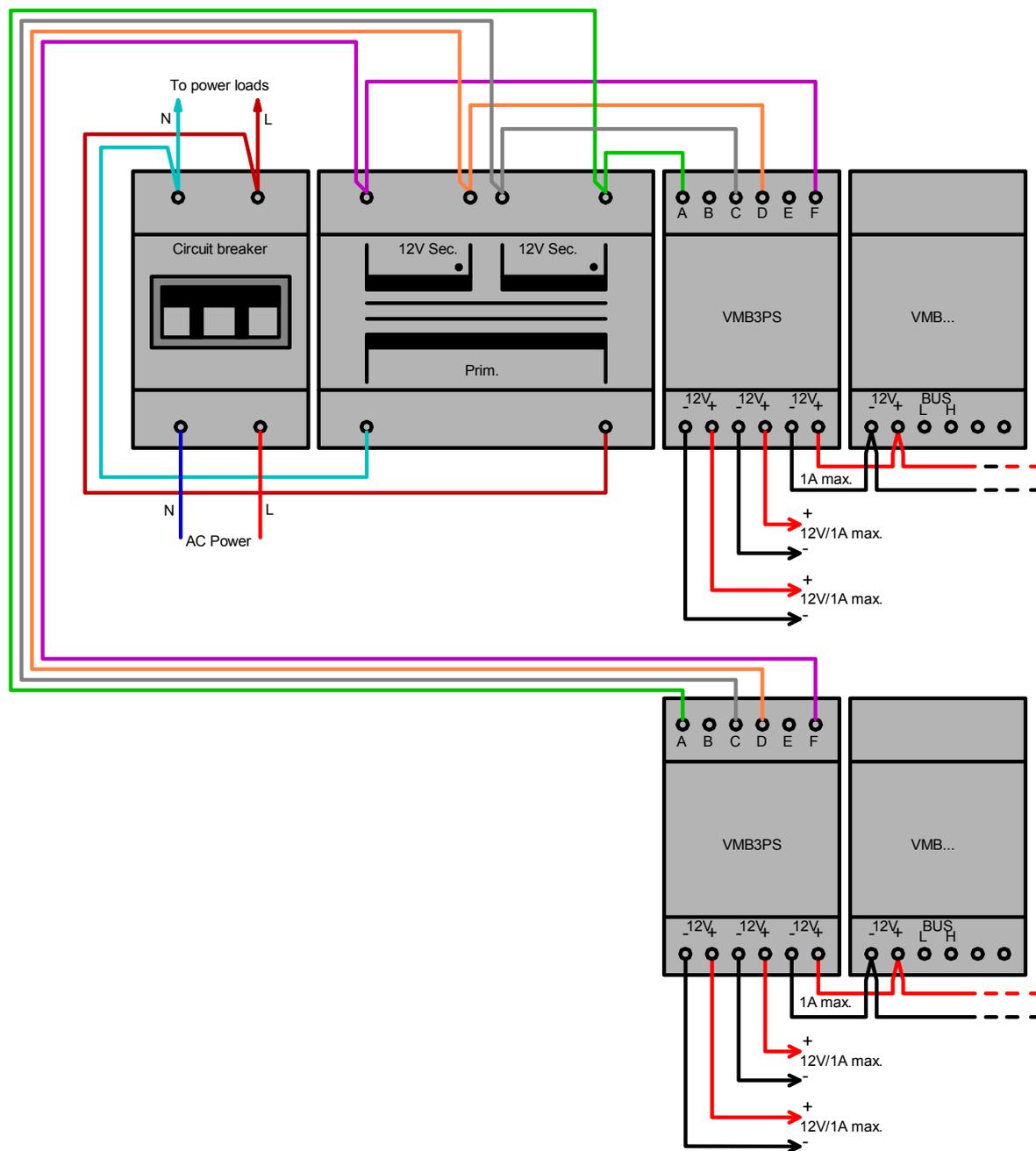


Transformer with 2 x 12V secondary voltage and centre tap:

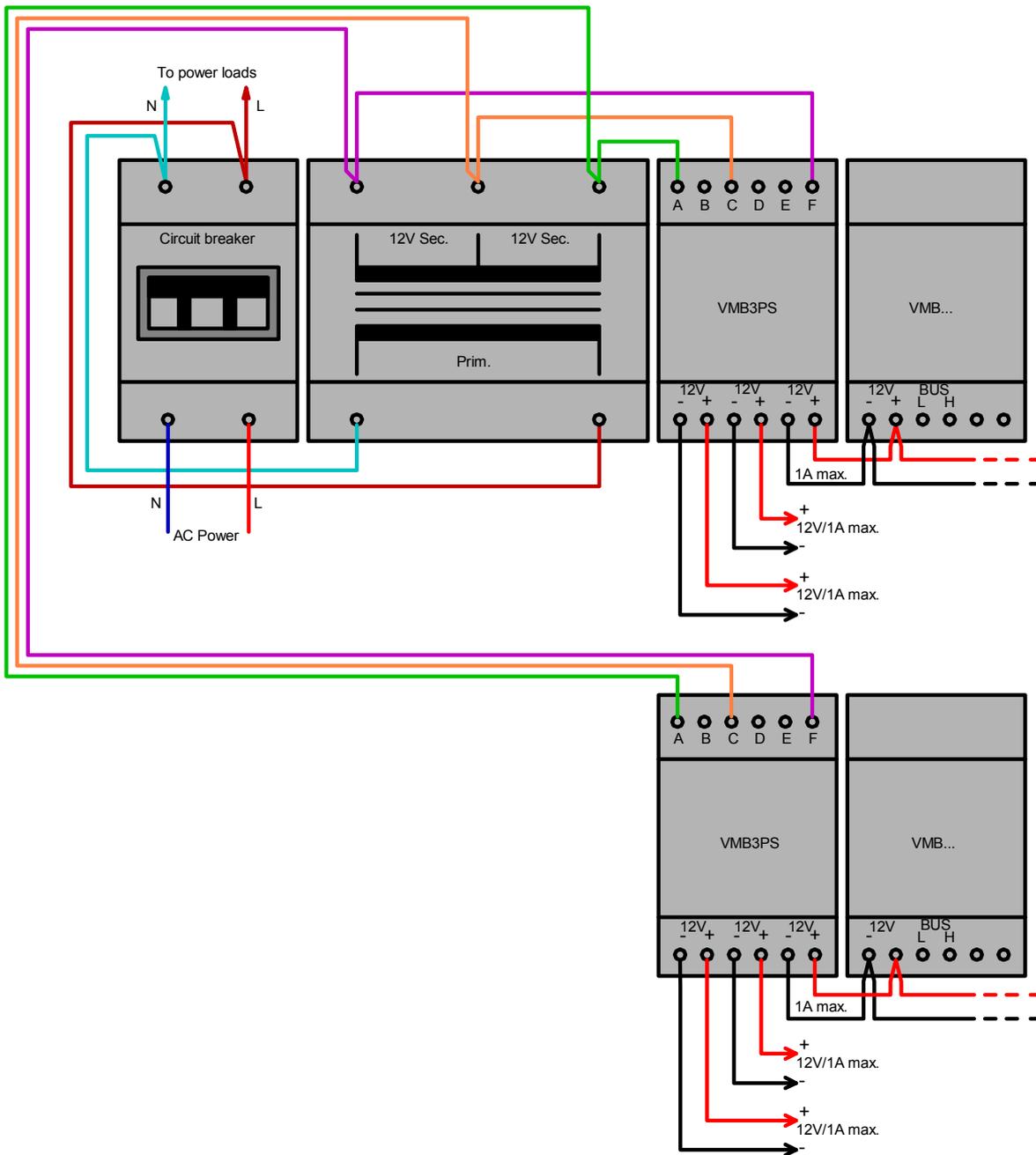


USE

Use of a common transformer with 2 x 12V secondary voltage on different power modules:

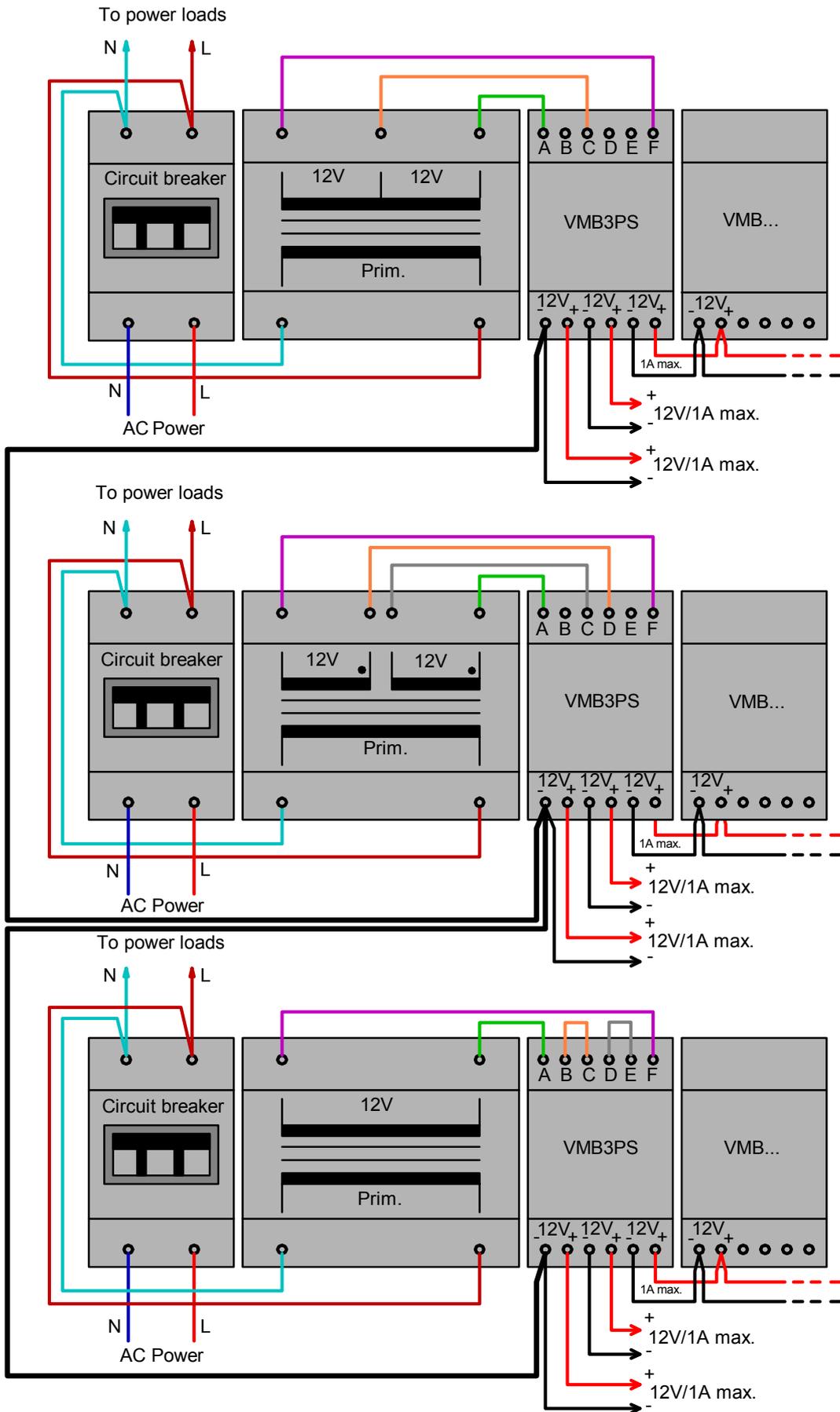


Use of a common transformer with 2 x 12V secondary voltages and centre tap on different power modules:



Remark:

Do not connect a transformer with 1 x 12V secondary voltage to more than one power module!
 When using a common transformer, make sure it can deliver the total current!
 Connect the negative output of each power module to one another when using several power modules.



Velleman Home Automation System

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In-house training & demonstration facility.

