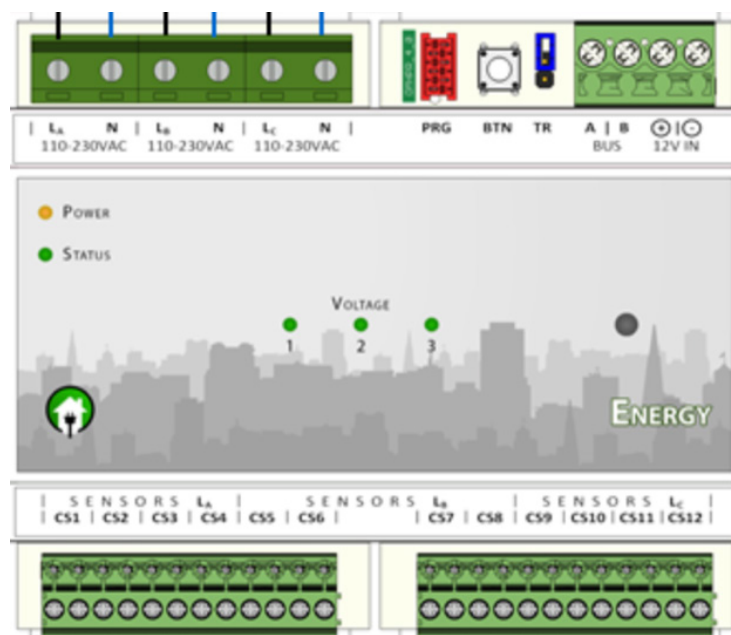


## Energy Module - Datasheet

### Energy Module - Datasheet

Function	<p>Measure voltage, current, real power, apparent power, frequency, kWh, kVAh, power factor and harmonics.</p> <p>The Energy Module can be used in a single and in a 3phase configuration (delta and wye). Connects up to 12 Current Sensors (CTs) with several available ratings (12.5A, 25A, 50A and 100A as standard CT's, higher current up to 1600A can be delivered on request).</p> <p>Maximum input voltage: 250 VAC</p>
Type	DIN rail mounted, width: 6 modules (10,5cm)
Location	Fuse box
Power Supply	12-24 VDC - 200mA MAX
BUS	RS485 (EIB twisted pair for short distances <20m, UTP Cat5+ or better for distances >20m, Max RS485 bus length is 600m)

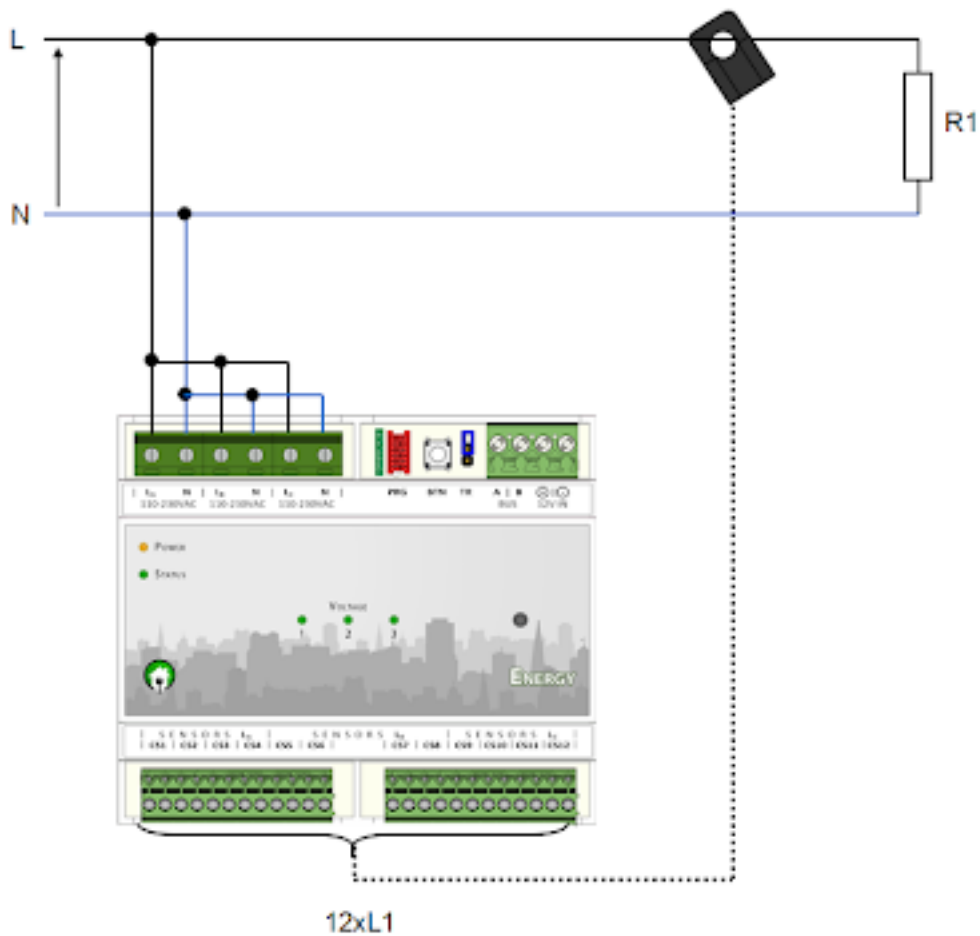


# Connection Diagram BUS



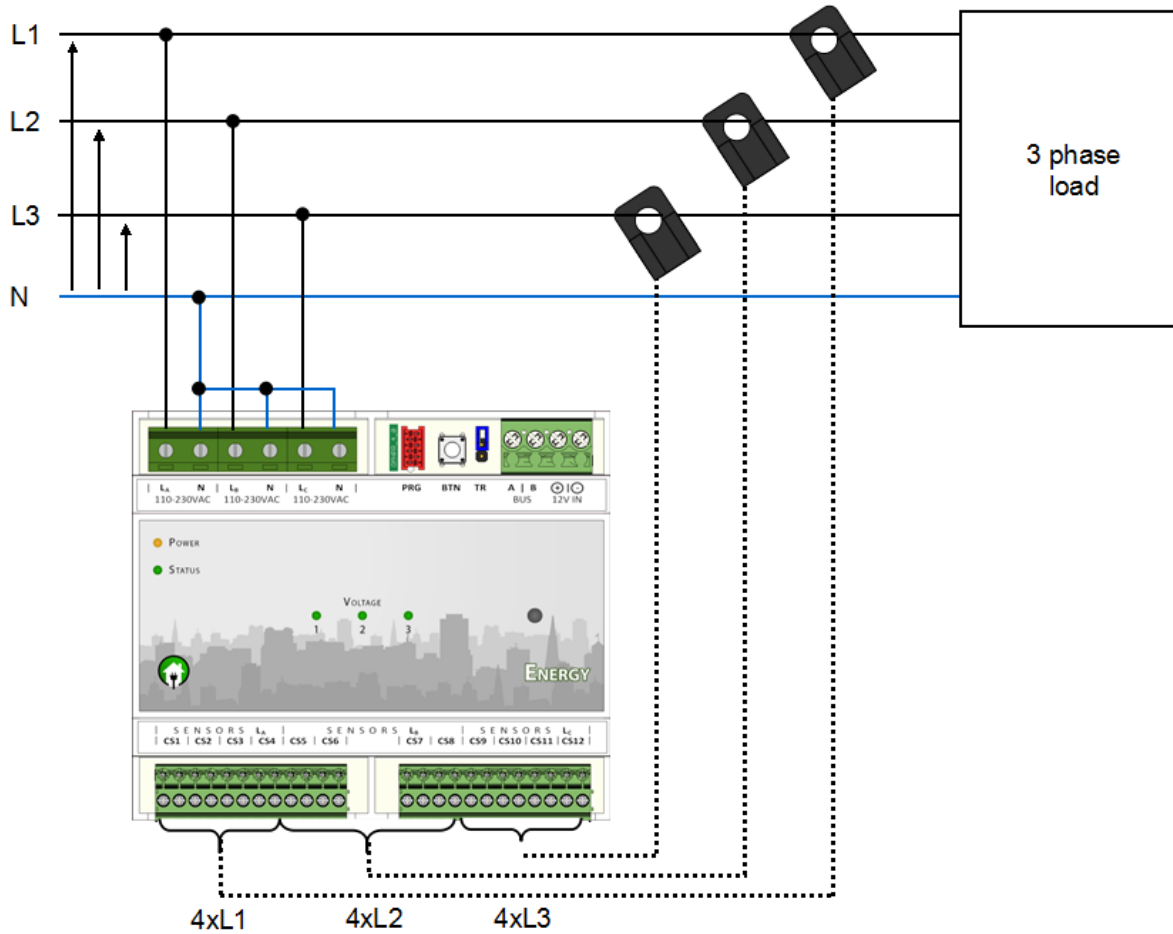
## Connection example I: one phase configuration

In a single-phase setup up to 12 electrical circuits can be measures on L1



# Connection example 2: three phase WYE configuration

In a three-phase WYE setup up to four single-phase loads can be measured on L1, up to 4 on L2 and up to 4 on L3. If you want to measure a 3 phase load make sure to use corresponding sensor connections (e.g. CS2 for L1, CSS6 for L2 and CS10 for L3 for the same load).



NOTE: Additional electrical connection diagrams are available on our [technical wiki](#)