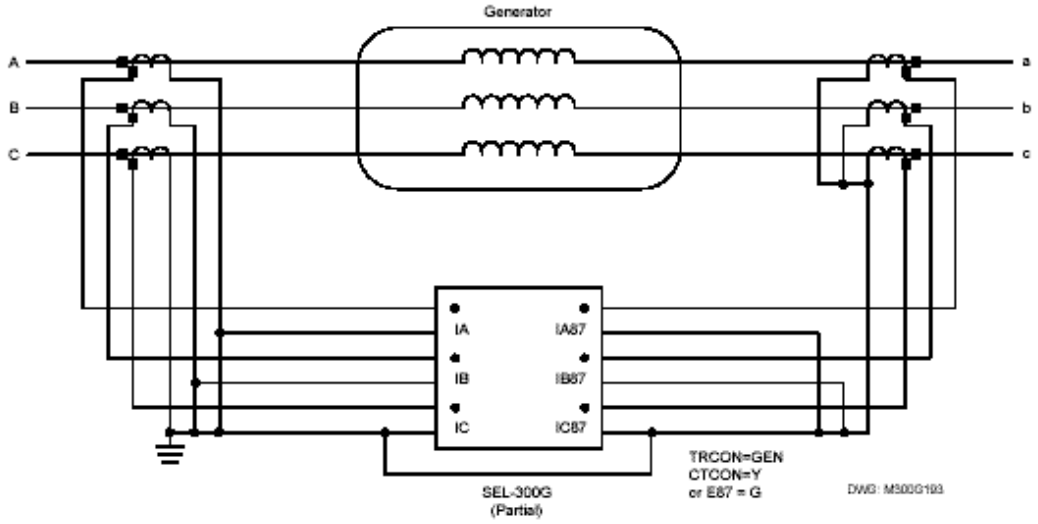
Schweitzer SEL 300G

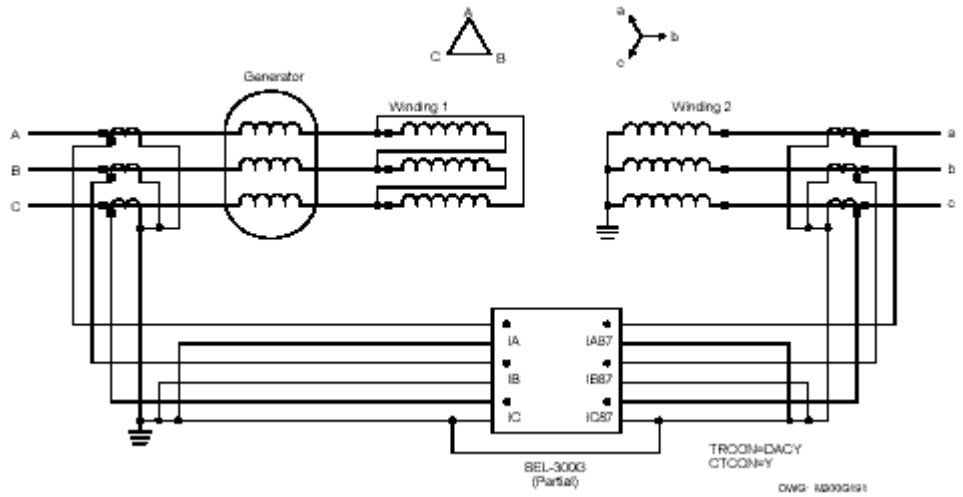
This relay implements a complete generator protection.
The relay type model contains most of the elements of the actual relay: 2 mho characteristics , voltage elements, frequency elements, overcurrent (F50-51 46) elements, loss of field, differential, reverse power element.
Not supported features:

- Load encroachment
- Out of step
- Fault Locator
- V/Hz
- Voltage dependent overcurrent threshold

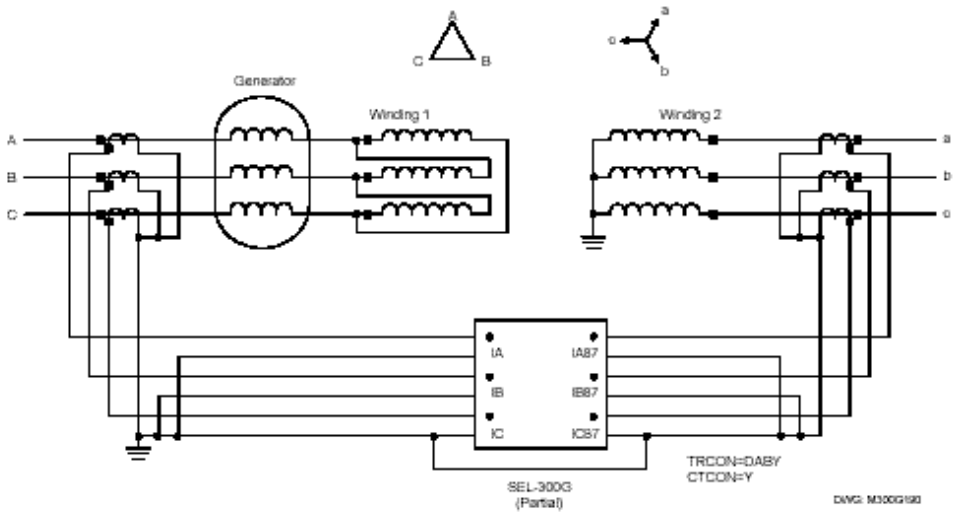
Regarding the setting of the "Transformer group" variable ("trasfgroup" setting) in the "Winding 1 Adapter" and in the "Winding 2 Adapter" block, please consider the following cases:



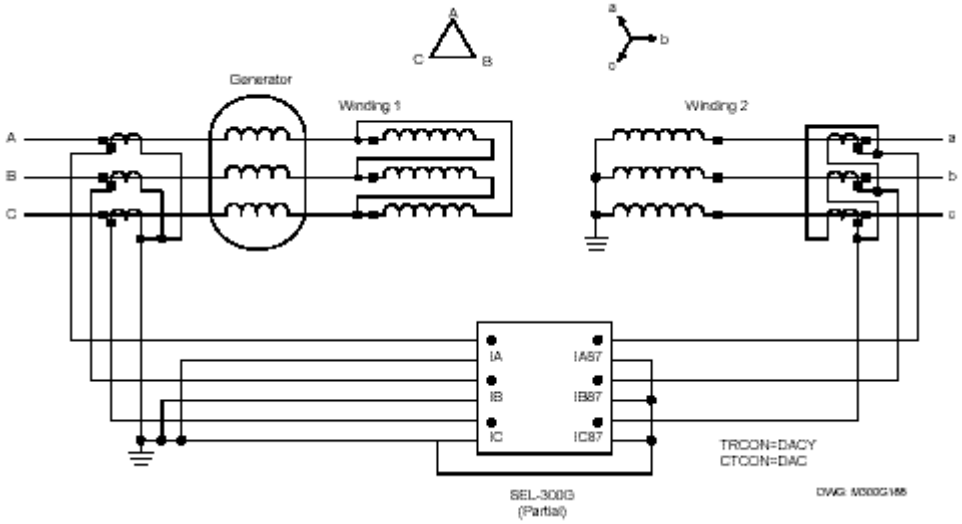
Inside "Winding 1 Adapter" set
"Transformer group" equal to 0, "Current transformer connection" equal to "Y"
Inside "Winding 2 Adapter" set
"Transformer group" equal to 0, "Current transformer connection" equal to "Y"



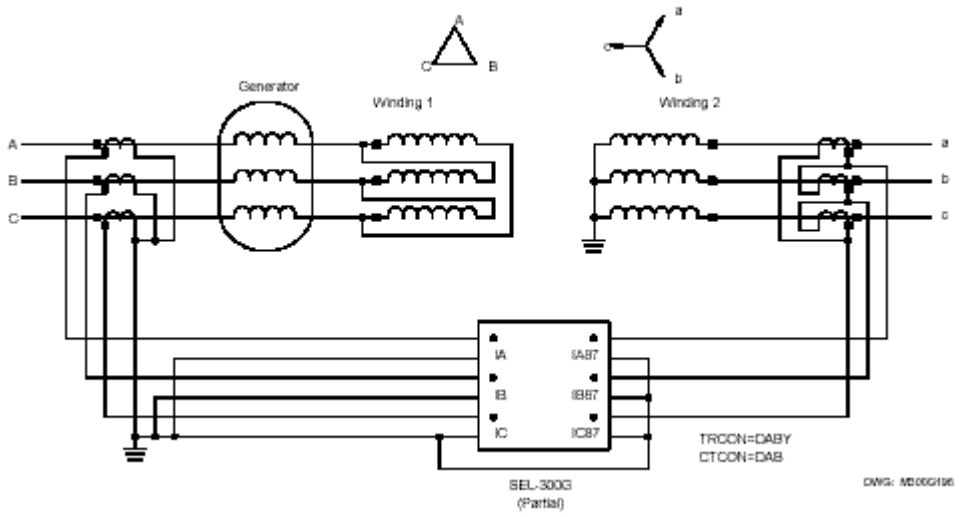
Inside "Winding 1 Adapter" set
"Transformer group" equal to 0, "Current transformer connection" equal to "Y"
Inside "Winding 1 Adapter" set
"Transformer group" equal to 11, , "Current transformer connection" equal to "Y"



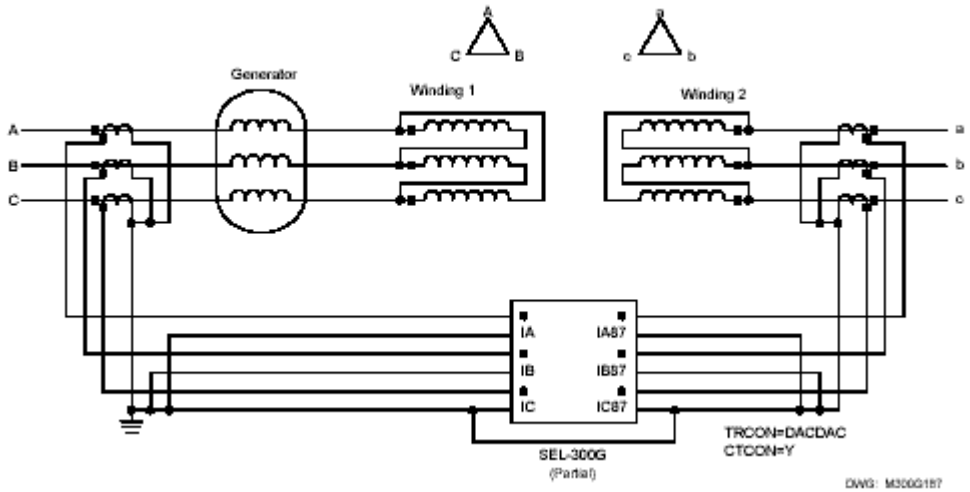
Inside “Winding 1 Adapter” set
“Transformer group” equal to 0, “Current transformer connection” equal to “Y”
Inside “Winding 2 Adapter” set
“Transformer group” equal to 1, “Current transformer connection” equal to “Y”



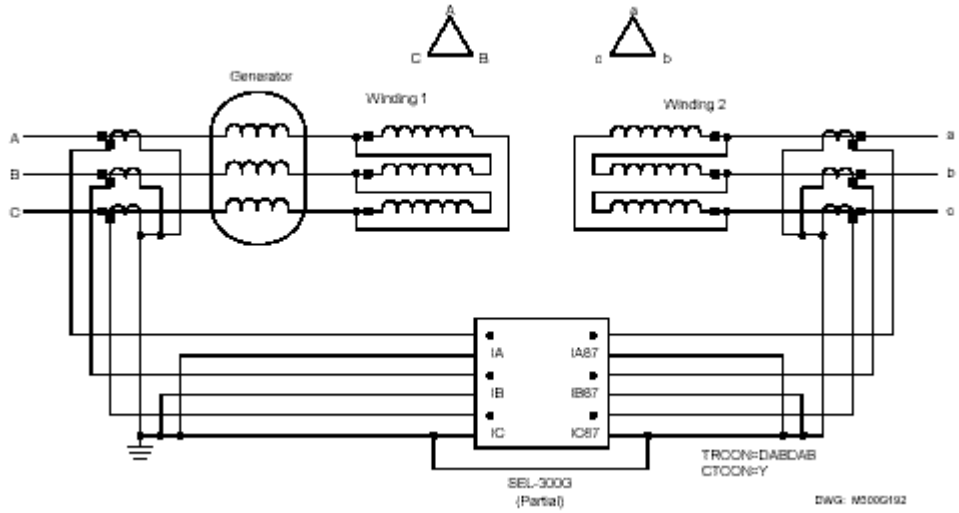
Inside “Winding 1 Adapter” set
“Transformer group” equal to 0, “Current transformer connection” equal to “Y”
Inside “Winding 2 Adapter” set
“Transformer group” equal to 0, “Current transformer connection” equal to “D”



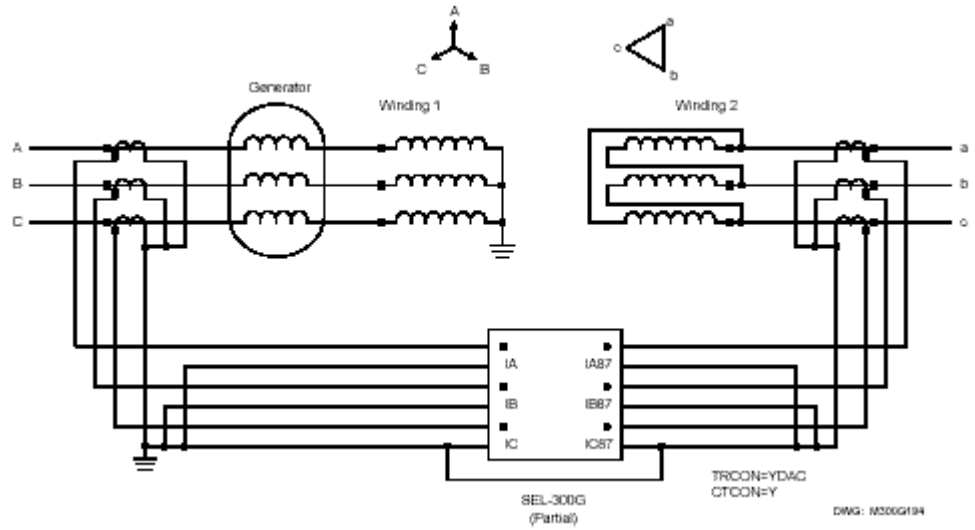
Inside “Winding 1 Adapter” set
“Transformer group” equal to 0, “Current transformer connection” equal to “Y”
Inside “Winding 2 Adapter” set
“Transformer group” equal to 0, “Current transformer connection” equal to “D”



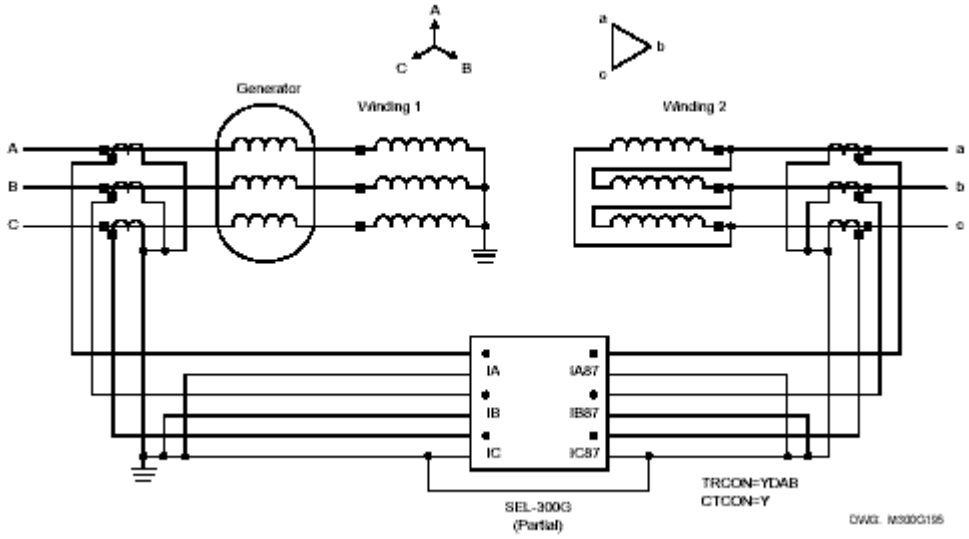
Inside “Winding 1 Adapter” set
“Transformer group” equal to 0, “Current transformer connection” equal to “Y”
Inside “Winding 2 Adapter” set
“Transformer group” equal to 0, “Current transformer connection” equal to “Y”



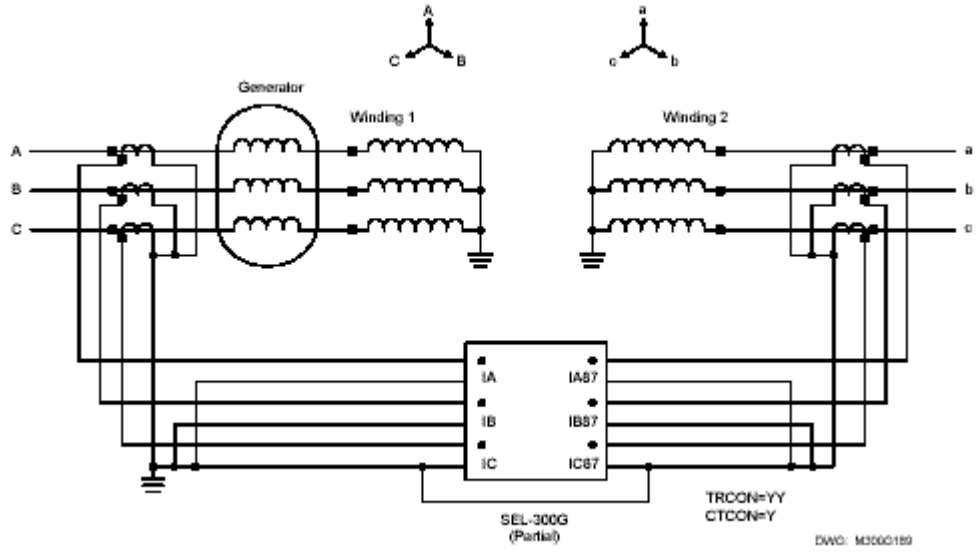
Inside “Winding 1 Adapter” set
“Transformer group” equal to 0, “Current transformer connection” equal to “Y”
Inside “Winding 2 Adapter” set
“Transformer group” equal to 0, “Current transformer connection” equal to “Y”



Inside “Winding 1 Adapter” set
“Transformer group” equal to 0, “Current transformer connection” equal to “Y”
Inside “Winding 2 Adapter” set
“Transformer group” equal to 1, “Current transformer connection” equal to “Y”



Inside “Winding 1 Adapter” set
“Transformer group” equal to 0, “Current transformer connection” equal to “Y”
Inside “Winding 2 Adapter” set
“Transformer group” equal to 11, “Current transformer connection” equal to “Y”



Inside “Winding 1 Adapter” set
“Transformer group” equal to 0, “Current transformer connection” equal to “Y”
Inside “Winding 2 Adapter” set
“Transformer group” equal to 0, “Current transformer connection” equal to “Y”

Please note that any user defined SELogic control equation can be created inside the “output logic block” but that only the ending time variables are available. In any case a standard control equation is provided to trip the relay.