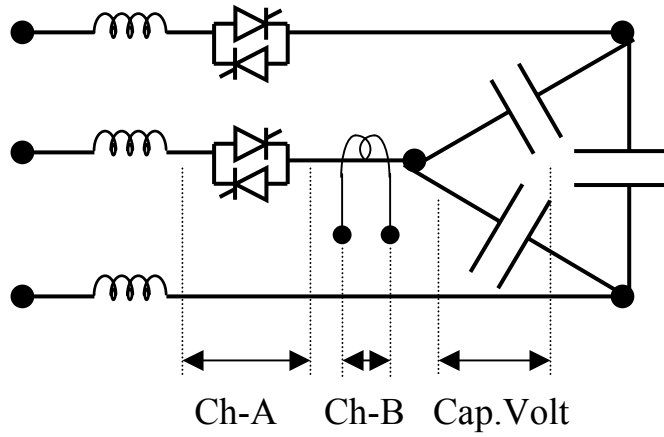
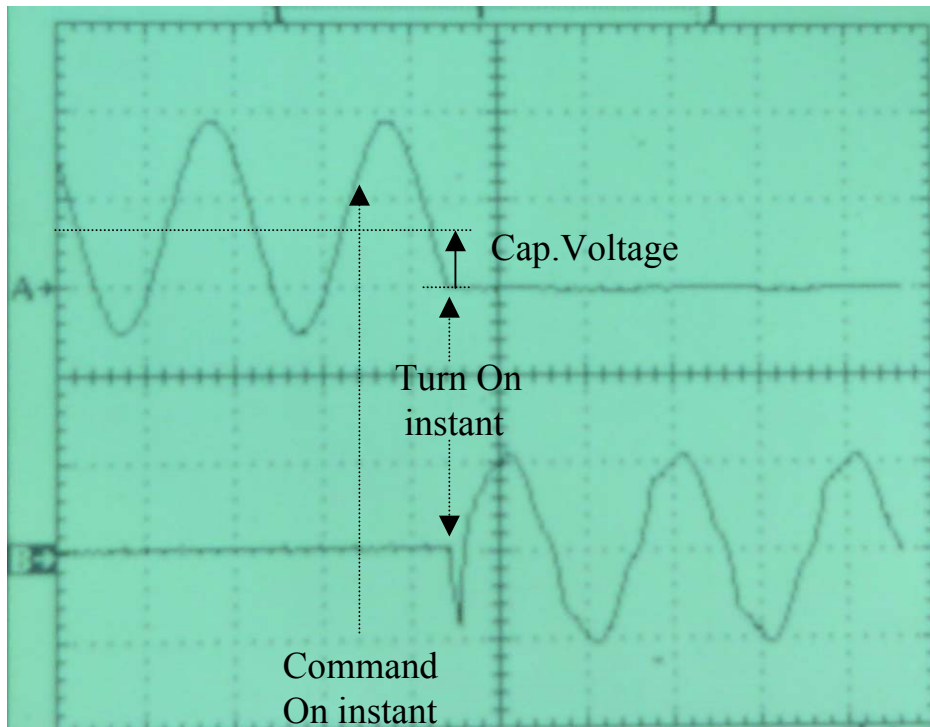


Capacitor Switching: Waveforms.



Capacitor Connected: 25kVAr at 415V-line.

Switch On waveform: Note the zero differential Voltage turn ON.

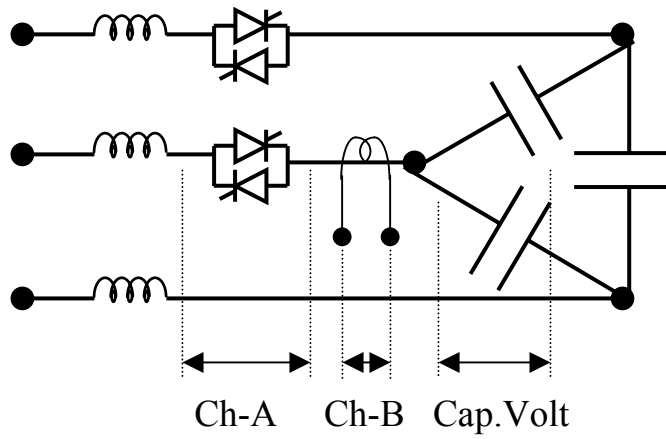


Scale:

Ch-A: Y-Axis: 500 V/div.

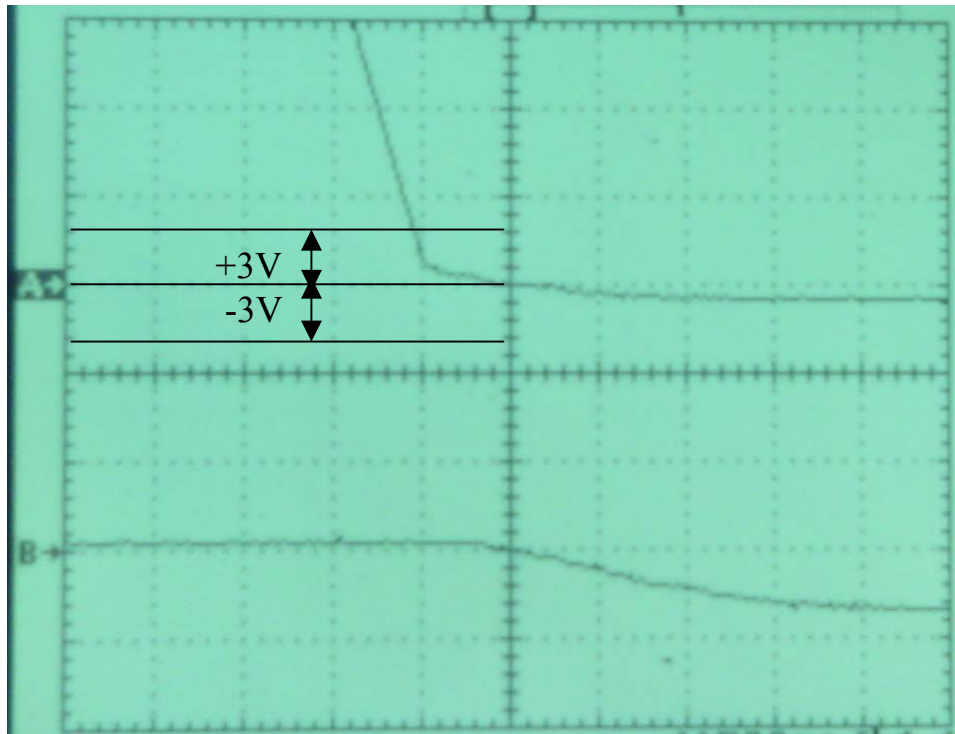
Ch-B: Y-Axis: 50Amp/div.

X-Axis: Time base: 5mS/div.



Capacitor Connected: 25kVAr at 415V-line.

Turn ON: Zero Differential Voltage waveform expanded for Voltage and time base. Note turn on within $\pm 3V$.

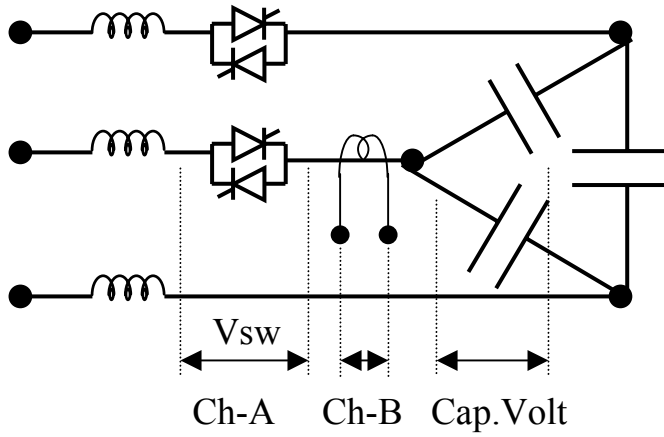


Scale:

Ch-A: Y-Axis: 5V/div.

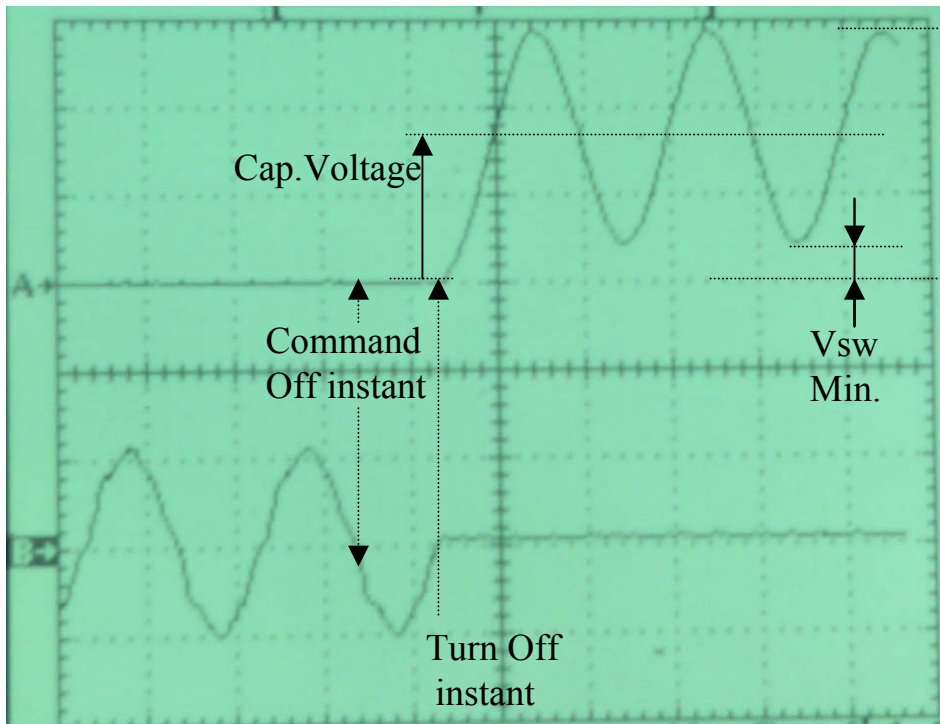
Ch-B: Y-Axis: 50Amp/div.

X-Axis: Time base: 500 μ S/div



Capacitor Connected: 25kVAr at 415V-line.

Switch Off waveform: Note the zero Current turn OFF.



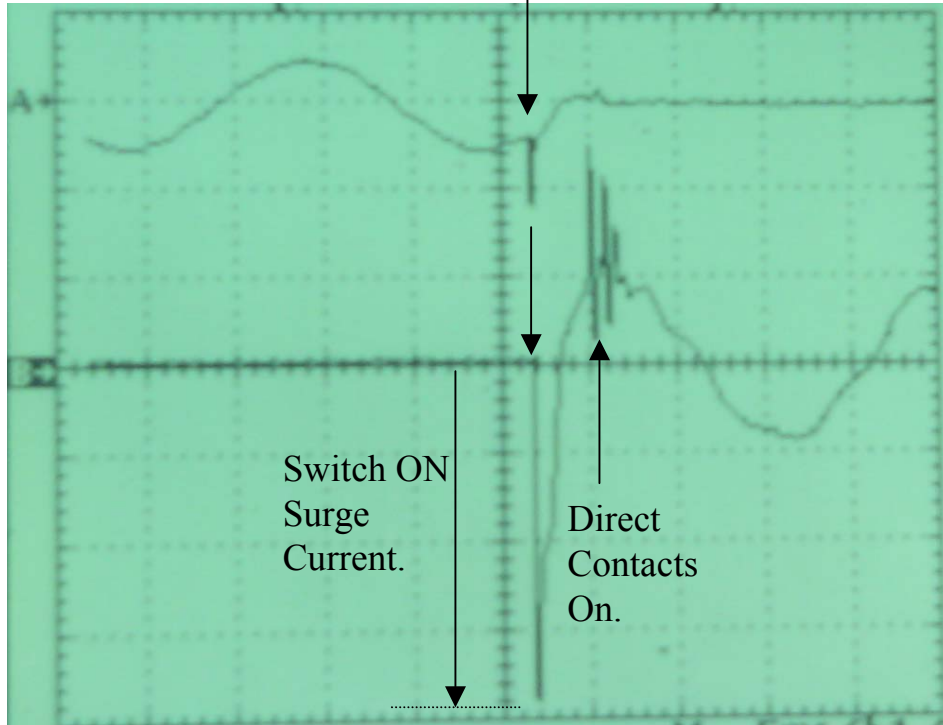
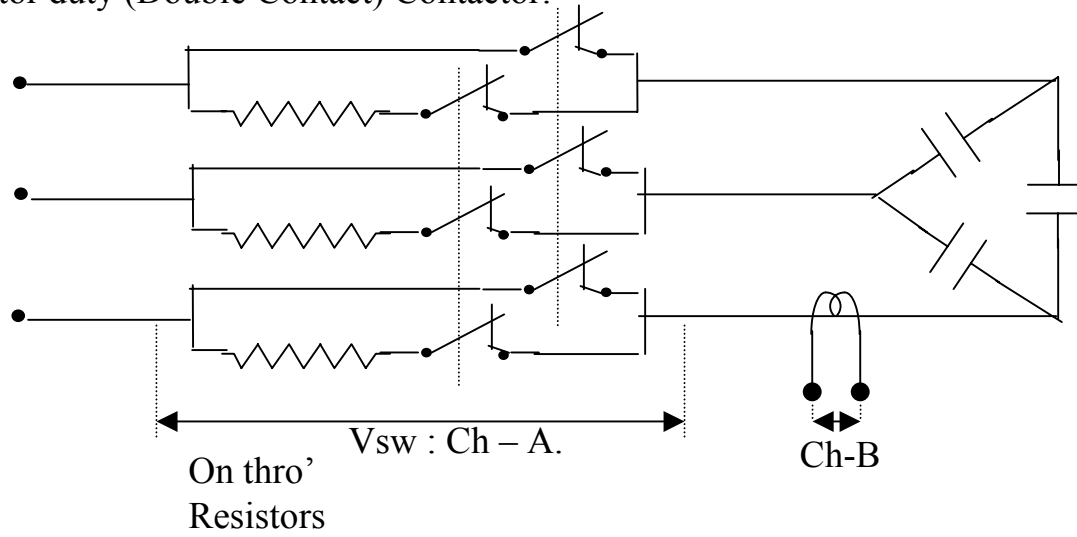
Scale:

Ch-A: Y-Axis: 500 V/div.

Ch-B: Y-Axis: 50Amp/div.

X-Axis: Time base: 5mS/div.

Turn On through Capacitor duty (Double Contact) Contactor:

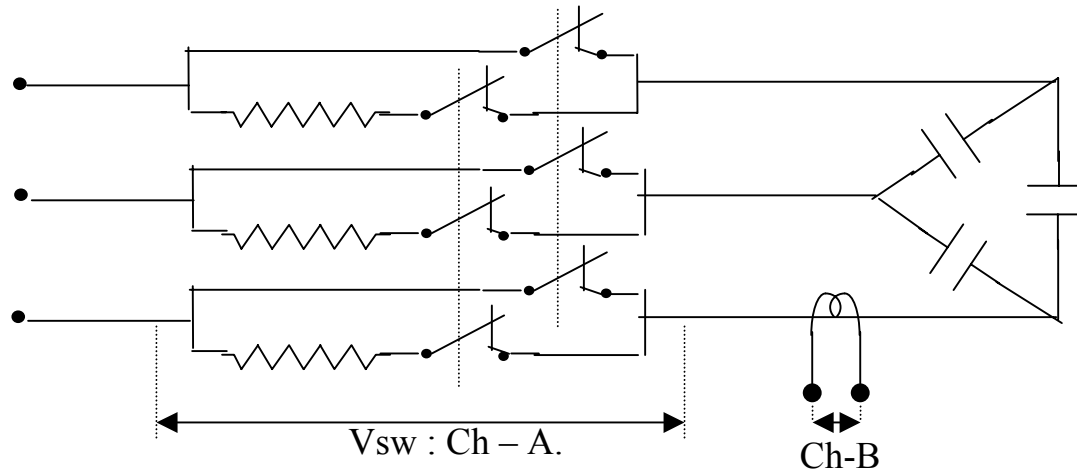


Scale:

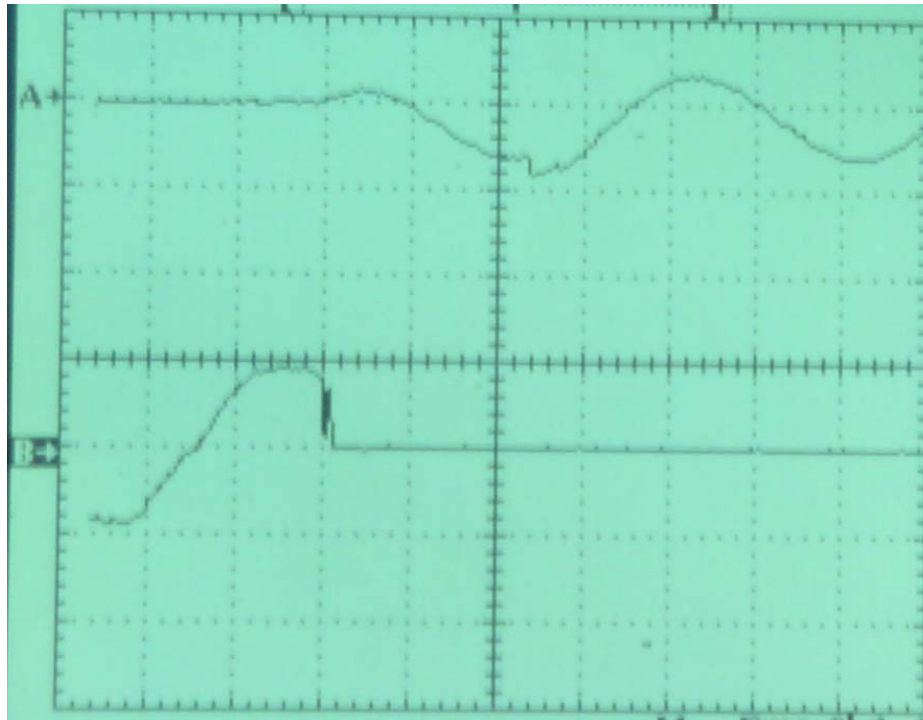
Ch-A: Y-Axis: 500 V/div.

Ch-B: Y-Axis: 50Amp/div.

X-Axis: Time base: 5mS/div.



Turn Off with Contactorised switching: Note the random instance of turn off.



Scale:

Ch-A: Y-Axis: 500 V/div.

Ch-B: Y-Axis: 50Amp/div.

X-Axis: Time base: 5mS/div.