

1) Start position.
Open arc is just detected.
A trip signal will now go to the trigger unit and another one to the upstream breaker
Time is 0.

2) The capacitor bank in the trigger unit has given a 4 kA current peak. The moving contact (green) is now on its way to close the high voltage to earth.
Time is 3 ms.

3) The arc eliminators have now got a 3 phase galvanic circuit to earth. The short circuit current has moved from the open arcs they are now quenched. The pressure increase stops. Time is <5 ms
4) The CB opens. Time is >50ms

