Simple Switching Configurations Underlying Power Electronics

Three pole switch: PSCAD/EMTDC

Timed Breaker Logic
Closed@t0
BRK1
ISW1
ISW2

Timed Breaker Logic
Open@t0
BRK2
ISW1
ISW2

Timed Breaker Logic
Closed@t0
BRK1
ISW1
ISW2

Timed Breaker Logic
Open@t0
BRK2
ISW1
ISW2

R=0
0.01 [ohm]
ISW0
ISW1
ISW2

Timed Breaker Logic
Closed@t0
BRK0
ISW0
ISW1
ISW2

Timed Breaker Logic
Open@t0
BRK1
ISW1
ISW2

Timed Breaker Logic
Open@t0
BRK2
ISW1
ISW2