

# HIGH VOLTAGE

## DEAD-TANK GAS CIRCUIT BREAKER STANDARD RATING TABLE\*

### 123kV

Rating	40kA		50kA		63kA		80kA
Voltage (Max kV)	123	123	123	123	123	123	123
BIL (kV Crest)	550	550	550	550	550	550	550
Close/Latch Capability (kA)	104	104	130	130	164	164	208
60Hz withstand (kV)	260	260	260	260	260	260	260
Continuous current (A)	3000	3000	3150	3150	3150	3150	3150
Interrupting current (kA)	40	40	50	50	63	63	80
Interrupting time (cycles)	3	3	3	3	3	3	2

### 145kV

Rating	40kA		50kA		63kA		80kA
Voltage (Max kV)	145	145	145	145	145	145	145
BIL (kV Crest)	650	650	650	650	650	650	650
Close/Latch Capability (kA)	104	104	130	130	164	164	208
60Hz withstand (kV)	310	310	310	310	310	310	310
Continuous current (A)	3150	3150	3150	3150	3000	3000	3000
Interrupting current (kA)	40	40	50	50	63	63	80
Interrupting time (cycles)	3	3	3	3	3	3	2

### 170kV

Rating	40kA		50kA		63kA		80kA
Voltage (Max kV)	170	170	170	170	170	170	170
BIL (kV Crest)	750	750	750	750	750	750	750
Close/Latch Capability (kA)	104	104	130	130	164	164	208
60Hz withstand (kV)	365	365	365	365	365	365	365
Continuous current (A)	3000	3000	3000	3000	3000	3000	3000
Interrupting current (kA)	40	40	50	50	63	63	63
Interrupting time (cycles)	3	3	3	3	3	3	2

#### Notes:

- Synchronous switching option available for all IPO breakers up to 550kV
- Mixed gas (SF<sub>6</sub>/CF<sub>4</sub>) option available for select Gang Operated breakers up to 245kV-50kA
- Mixed gas (SF<sub>6</sub>/CF<sub>4</sub>) option available for select IPO breakers up to 362kV-50kA

■ Independent Pole Operated (IPO)

■ Gang Operated

IPO breakers are available with synchronous control option for capacitor bank switching, reactor bank switching and transformer switching applications.

\*Select max voltages, BIL ratings, continuous currents, and interrupting times may not reflect the maximum values that are available. If your needs differ, please consult with your local MEPPi sales representative for additional details.

## 245kV

Rating	40kA		50kA		63kA		80kA
Voltage (Max kV)	245	245	245	245	245	245	245
BIL (kV Crest)	900	900	900	900	900	900	900
Close/Latch Capability (kA)	104	104	130	130	164	164	208
60Hz withstand (kV)	425	425	425	425	425	425	425
Continuous current (A)	3000	3000	3000	3000	3000	3000	3000
Interrupting current (kA)	40	40	50	50	63	63	80
Interrupting time (cycles)	3	3	2 or 3	3	2 or 3	3	2

## 362kV

Rating	40kA		50kA		63kA		80kA
Voltage (Max kV)	362	362	362	362	362	362	362
BIL (kV Crest)	1300	1300	1300	1300	1300	1300	1300
Close/Latch Capability (kA)	104	104	130	130	164	164	208
60Hz withstand (kV)	555	555	555	555	555	555	555
Continuous current (A)	3000	3000	3000	3000	3000	3000	3000
Interrupting current (kA)	40	40	50	50	63	63	80
Interrupting time (cycles)	2	2	2	2	2	2	2

## 550kV

Rating	40kA	50kA	63kA
Voltage (Max kV)	550	550	550
BIL (kV Crest)	1800	1800	1800
Close/Latch Capability (kA)	104	130	164
60Hz withstand (kV)	860	860	860
Continuous current (A)	3000	3000	3000
Interrupting current (kA)	40	50	63
Interrupting time (cycles)	2	2	2

## 800kV

	40kA	50kA	63kA
Voltage (Max kV)	800	800	800
BIL (kV Crest)	2100	2100	2100
Close/Latch Capability (kA)	104	130	164
60Hz withstand (kV)	960	960	960
Continuous current (A)	3000	3000	3000
Interrupting current (kA)	50	50	63
Interrupting time (cycles)	2	2	2

**Notes:**

- Synchronous switching option available for all IPO breakers up to 550kV
- Mixed gas (SF6/CF4) option available for select Gang Operated breakers up to 245kV-50kA
- Mixed gas (SF6/CF4) option available for select IPO breakers up to 362kV-50kA

 Independent Pole Operated (IPO)

 Gang Operated

IPO breakers are available with synchronous control option for capacitor bank switching, reactor bank switching and transformer switching applications.

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