

FGM6DC Series DC High Voltage Moulded Case Circuit Breaker

Main technical parameter

Model		FGM6DC-320, FGM6-250			FGM6DC-400			
Frame Size								
Pole Number		2		3	2		3	
Rated working voltage U _e (V)DC		DC500	DC1000	DC1500	DC250/500	DC750/1000	DC1250/1500	DC1250/1500
Rated insulation voltage U _i (V)		DC1250		DC1500	DC1500			
Rated impulse withstand voltage U _{imp} (kV)		8		12	12			
Rated current I _n (A)		63,80,100,125,140,160,180,200,225,250,280,315,320			225,250,315,350,400			
Extreme short-circuit breaking capacity I _{cu} (kA)	H Type	50	20	20	65	35	15	15(2 pole connecting) 20(3 pole connecting)
	R Type	/	/	/	70	40	20	20(2pole connecting)25(3 pole connecting)
Running short-circuitbreaking capacity I _{cs} (kA)		I _{cs} =100%I _{cu}						
Wiring mode		Up incoming and Down outgoing, Down incoming and Up outgoing (2P, 320/3P) Down incoming and Down outgoing, Up incoming and Up outgoing (3P)						
Utilization category		A						
Insolation feature		Yes						
Allowable ambient temperature		-35°C~+70°C						
Electrical life (Total times)		20000			10000			
Electrical life (Total times)		3000	2000	1500	1000	1000	700	500
Standard		IEC/EN 60947-2、GB/T 14048.2						
With accessories		Auxiliary, alarm, off load, Hand operation, Electric operation						
Quality certificate		CCC、CE、TUV						
Overall dimensions LxWxH(mm)		180x76x126(2P) 180x107x126(3P)			250x124x165(2P) 250x182x165(3P)			

Note: 320 shell frame is not divided into H: high breaking, R: current limiting type.

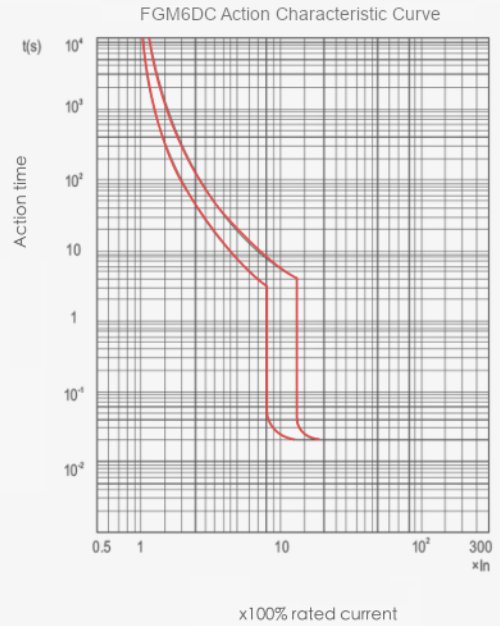
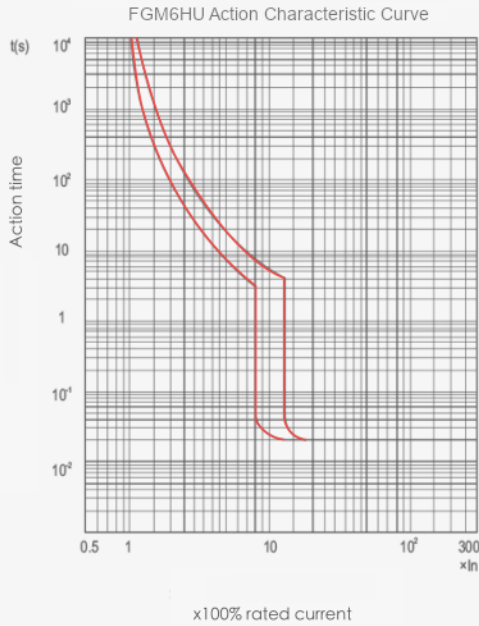
FGM6DC Series DC High Voltage Moulded Case Circuit Breaker

Model		FGM6DC-630				FGM6DC-800			
Frame Size									
Pole Number		2		3		2		3	
Rated working voltage Ue (V)DC		DC250/500	DC750/1000	DC1250/1500	DC1250/1500	DC250/500	DC750/1000	DC1250/1500	DC1250/1500
Rated insulation voltage Ui (V)		DC1500							
Rated impulse withstand voltage Uimp(kV)		12				12			
Rated current In(A)		500,630				700,800			
Extreme short-circuit breaking capacity Icu (kA)	H Type	65	35	15	15(2 pole connecting)20(3 pole connecting)	65	35	15	15(2 pole connecting)20(3 pole connecting)
	R Type	70	40	20	20(2pole connecting)25(3pole connecting)	70	40	20	20(2pole connecting)25(3pole connecting)
Running short-circuit breaking capacity Ics (kA)		Ics=100%Icu							
Wiring mode		Up incoming and Down outgoing, Down incoming and Up outgoing (2P, 320/3P) Down incoming and Down outgoing, Up incoming and Up outgoing (3P)							
Utilization category		A							
Insulation feature		Yes							
Allowable ambient temperature		-35°C~+70°C							
Electrical life (Total times)		5000				5000			
Electrical life (Total times)		1000	1000	700	500	1000	1000	700	500
Standard		IEC/EN 60947-2、GB/T 14048.2							
With accessories		Auxiliary, alarm, off load, Hand operation, Electric operation							
Quality certificate		CCC、CE、TUV							
Overall dimensions LxWxH(mm)		250x124*165(2P) 250x182x165(3P)				250x124x165(2P) 250x182x165(3P)			

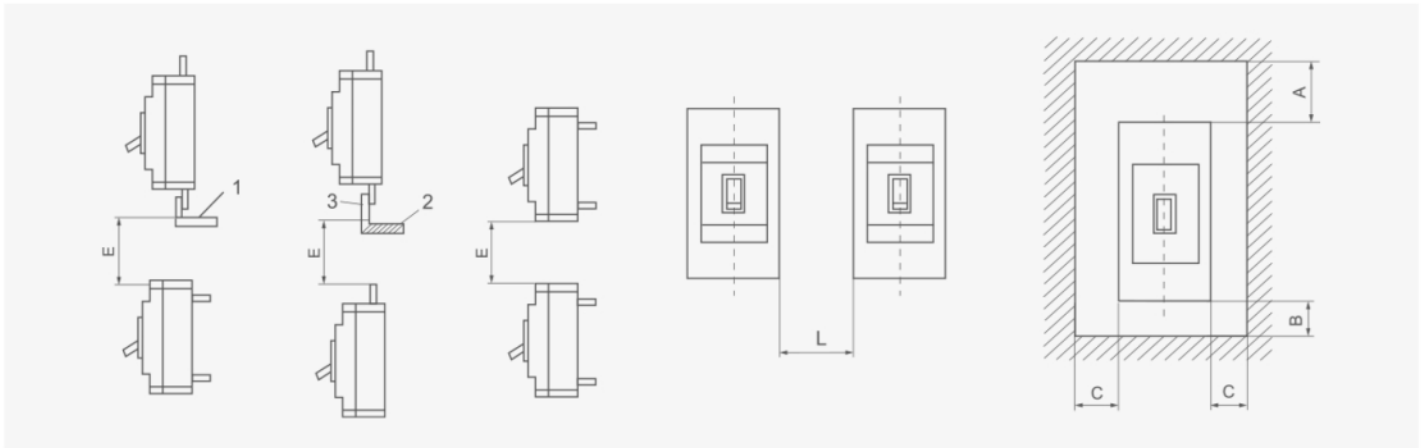
FGM6DC Series AC/DC High Voltage Moulded Case Circuit Breaker

Action characteristic curve of the circuit breaker

FGM6DC/FRM6DC Action Characteristic Curve



Safe distance during circuit breaker installation

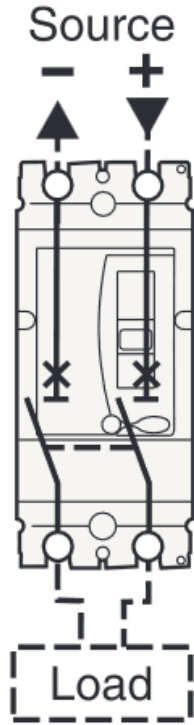


Model	L	A		B	C	E	
		Without zero arcing cover	With zero arcing cover			Without zero arcing cover	With zero arcing cover
FGM6DC-250/320	40	50	65	25	25	50	130
FGM6DC-400	70	100	65	25	25	100	130
FGM6DC-630		100	65	25	25	100	130
FGM6DC-800		100	65	25	25	100	130

In above picture, there is 1 No insulated links 2. Insulated wires 3. Cable terminals

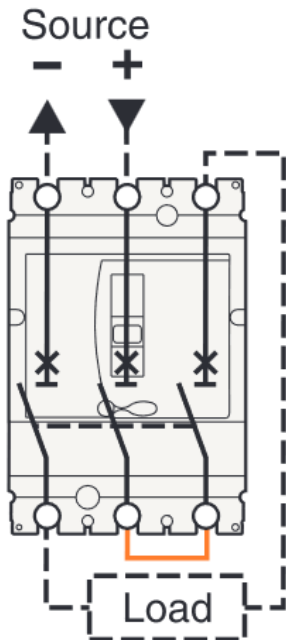
Two Pole

Two Pole, Two Pole Connecting



Three Pole

Three Pole Connecting FGM6-DC-3PLC



Two Pole Connecting FGM6-DC-3PL Series

