


Electronic Type With Button

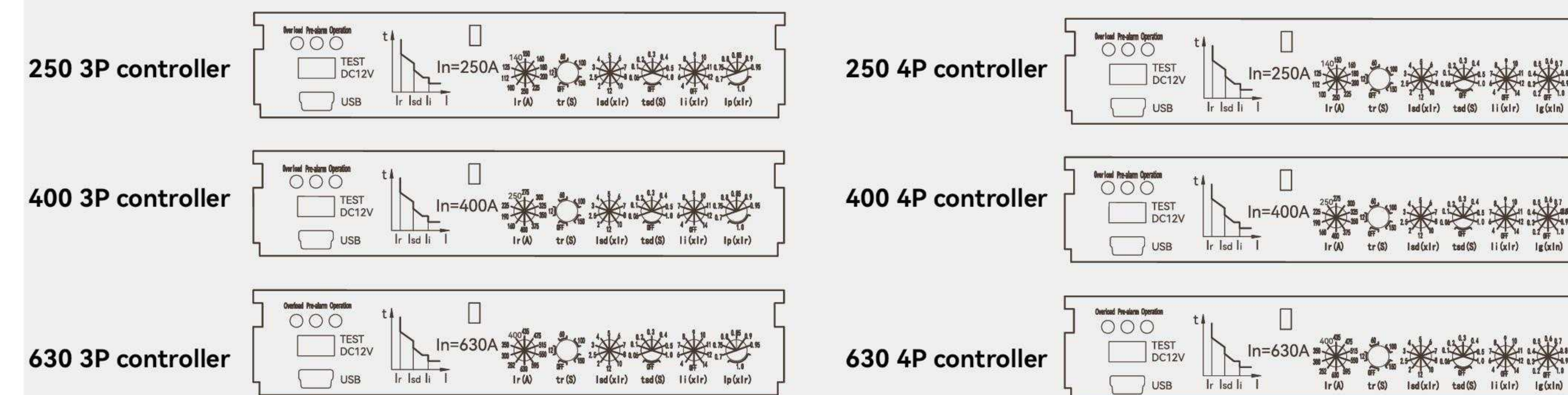
SGM6E Moulded Case Circuit Breaker






Ratings And Specifications

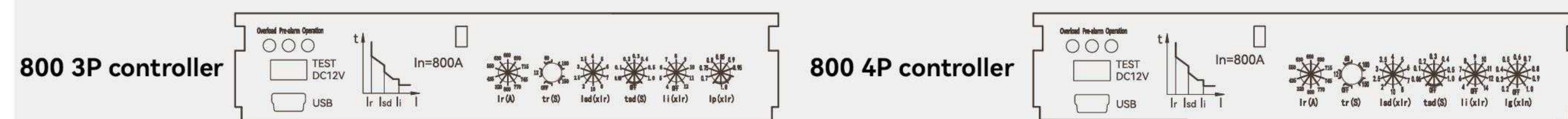
Electronic Type With Button

Frame Size							
	250	400	630				
Model	SGM6E-250	SGM6E-400	SGM6E-630				
Number of poles	3,4						
Rated current(A) In	125,160,250	250,400	250,400,630				
Standard	IEC60947-2						
Rated operational voltage	380/400/415V AC						
Rated insulation voltage Ui (V)	1000						
Rated impulse withstand voltage Uimp (kV)	8						
Breaking capacity level	L	M	H	M	H	M	H
Rated ultimate short-circuit breaking capacity Icu(kA)	36	50	65	85	100	85	100
Rated service short-circuit breaking capacity Ics(kA)	25	36	50	60	75	60	75
Icu=Ics(kA)	25	36	50	60	75	60	75
Mechanical Endurance	for 100A	for 125-250A	for 250-315A	for 350-400A	4000		
Electrical Endurance	8500	7000	7000	4000	1000		
Installation	Auxiliary contact(OF) Alarm switch(SD) Shunt trip(MX) Under-voltage release(MN) AC Motor Mechanism Extended Rotary Handle						

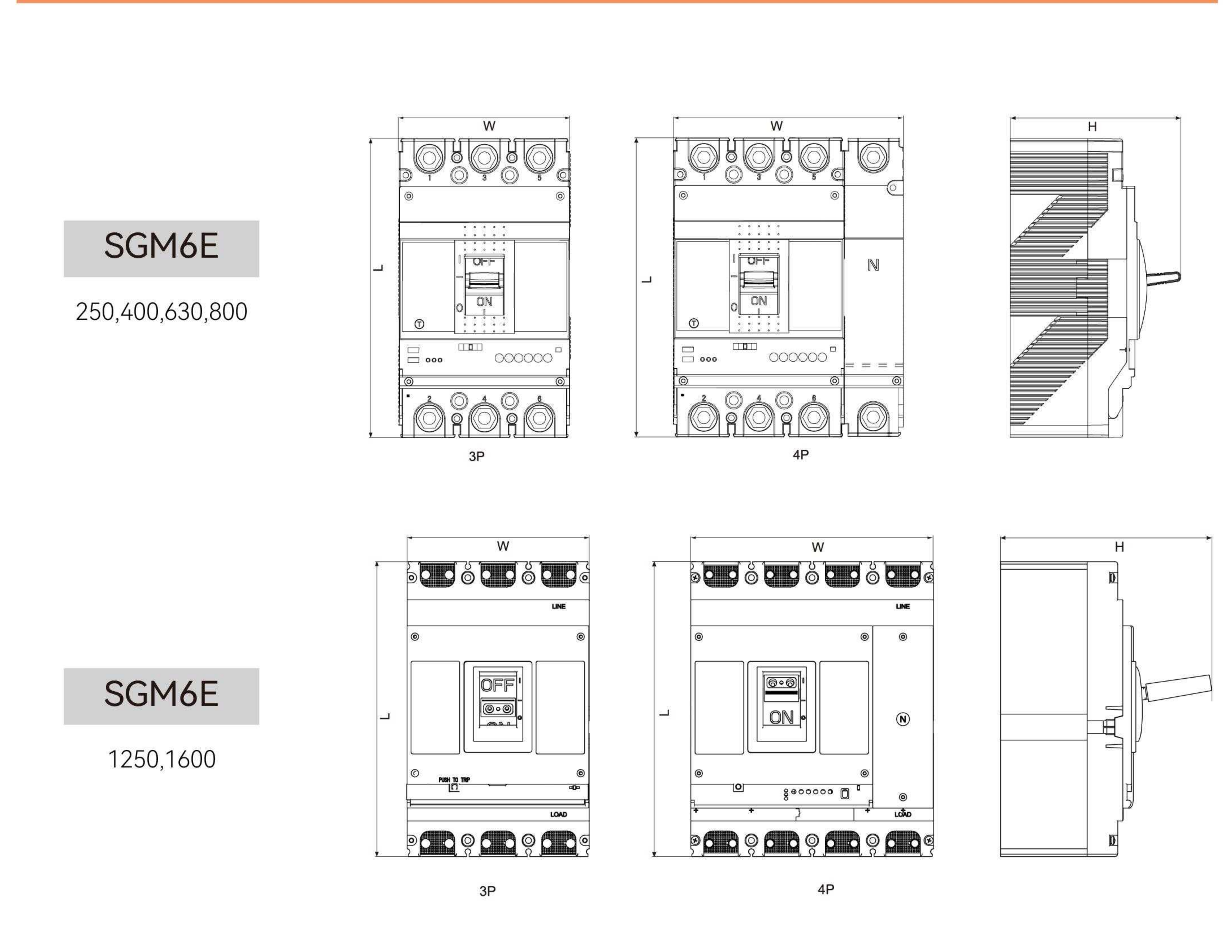


Ratings And Specifications Electronic Type With Button

Frame Size			
Model	SGM6E-800	SGM6E-1250	SGM6E-1600
Number of poles	3,4		
Rated current(A) In	630,800	1000,1250	1000,1250,1600
Standard	IEC60947-2		
Reference temperature	40°C/55°C		
Rated operational voltage	380/400/415V AC		
Rated insulation voltage Ui (V)	1000		
Rated impulse withstand voltage Uimp (kV)	8		
Breaking capacity level	M	H	M
Rated ultimate short-circuit breaking capacity Icu(kA)	85	100	70
Rated service short-circuit breaking capacity Ics(kA)	60	75	65
Icu=Ics(kA)	60	75	
Mechanical Endurance Electrical Endurance	2500 500		
Installation	Auxiliary contact(OF) Alarm switch(SD) Shunt trip(MX) Under-voltage release(MN) AC Motor Mechanism Extended Rotary Handle	Auxiliary contact(OF) Alarm switch(SD) Shunt trip(MX) Under-voltage release(MN) AC Motor Mechanism	



Product Dimension Drawing Electronic Type With Button



SGM6E
250,400,630,800

SGM6E
1250,1600

SGM6E Dimensions mm(L×W×H)							
Frame Size		250	400	630	800	1250	1600
3P	Length	165	257	257	280	275.5	340
	Width	107	150	150	210	210	210
	Height	96.55	148	148	155	155	190
4P	Length	165	257	257	280	275.5	340
	Width	142	198	198	280	280	280
	Height	96.55	148	148	155	155	190

Setting Parameters				Electronic Type With Button						
Frame Size	250A			400A		630A		800A		
Rated current In(A)	125	160	250	250	400	250	400	630	630	800
Ir(A) Long Delay Current Setting	50-63-70 75-80-85 90-95-100 125A	63-70-75 80-90-100 125-140-150 160A	100-112-125-140-150 160-180-200-225-250A		160-190-225 250-275 300-325-350 375-400A	100-112-125 140-150 160-180-200 225-250A	160-190-225 250-275 300-325-350 375-400A	252-300-350-400-435 475-515-550-595-630A		320-435-550 630-660 690-715-745 770-800A
tr(S) Long Delay Time	12-60-100-150 sec + OFF									
Isd(A) Short Circuit Protection Of Low Level Faults	2-2.5-3-4-5-6-7-8-10-12 x Ir(A)									
tsd (S) short time	0.06-0.1-0.2-0.3 sec + OFF			0.06-0.1-0.3- 0.4-0.5-1.0 sec + OFF						
Ii(A) Short Circuit Protection Of High level Faults	4-6-7-8-9-10-11-12-14 xIr(A) + OFF			4-5-6-7-8-9 10-11-12-14 xIr(A) + OFF		4-6-7-8-9-10-11-12-14 xIr(A) + OFF		4-5-6-7-8-9 10-11-12 xIr(A) + OFF		
Ip(A) Pre Trip Alarm Setting Multiple	0.7-0.75-0.8-0.85-0.9-0.95 1.0 x Ir(A)									
For 4p Ig(A) Ground Fault Pickup Current	0.2-0.3-0.4-0.5-0.6-0.7-0.8-0.9 1.0 x In+ OFF									
For 4p tg(S) Ground Fault Pickup Time	Fixed for 0.4sec									

Electronic Type With LCD

iSGM6E Moulded Case
Circuit Breaker

