


Electronic Type With Knob

SGM6E Moulded Case
Circuit Breaker

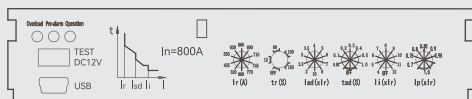


Ratings And Specifications

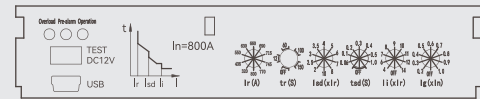
Electronic Type With Knob

Frame Size		
Model	800/1000 SGM6E-800 SGM6E-1000	
Number of poles	3,4	
Rated current(A) In	For SGM6E-800:630,800 For SGM6E-1000:630,800,1000	
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	
Mention Selectivity category	B	
Breaking capacity level	M	H
Rated ultimate short-circuit breaking capacity Icu(kA)	85	100
Rated service short-circuit breaking capacity Ics(kA)	60	75
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	

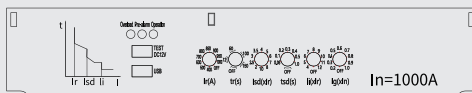
800 3P controller



800 4P controller



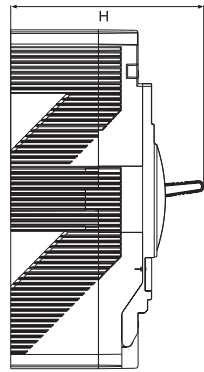
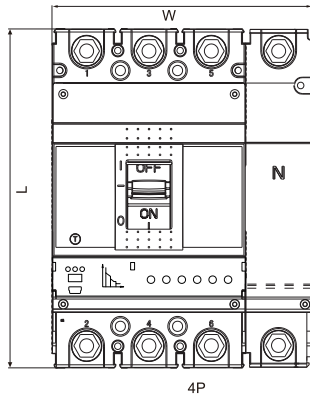
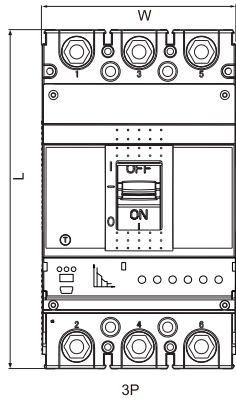
1000 3P/4P controller



Product Dimension Drawing Electronic Type With Knob

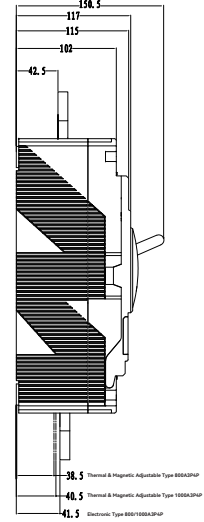
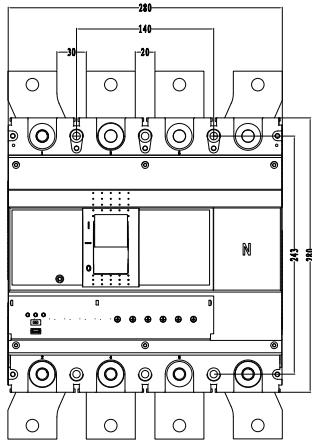
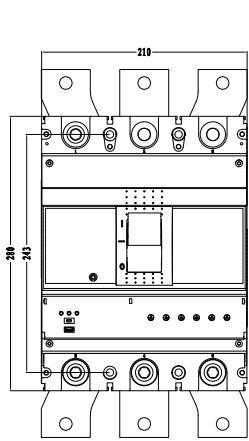
SGM6E

250,400,630
800/1000 (3P/4P)



SGM6/6S/6SM/6E

800/1000 (3P/4P)



SGM6 Dimensions mm(L×W×H)

Frame Size		800/1000					
3P	Length	280		4P	Length	280	
	Width	210			Width	280	
	Height	155			Height	155	

Setting Parameters

Electronic Type With Knob

Frame Size	SGM6E-800A			SGM6E-1000A		
Rated current In(A)	630	800		630	800	1000
I _r (A) Long Delay Current Setting	252-300-350 400-435-475-515 550-595-630A	320-435-550 630-660 690-715-745 770-800A		252-300-350 400-435-475-515 550-595-630A	320-435-550 630-660 690-715-745 770-800A	400-500-630 700-800-850 900-950 1000A
t _r (S) Long Delay Time	12-60-100-150 sec + OFF					
I _{sd} (A) Short Circuit Protection Of Low Level Faults	2-2.5-3 -4-5-6 -7-8-10-12x I _r (A)	2-2.5-3-3.5 -4-5-6 -7-8-10x I _r (A)		2-2.5-3 -4-5-6 -7-8-10-12x I _r (A)	2-2.5-3-3.5 -4-5-6 -7-8-10x I _r (A)	2-2.5-3-3.5 -4-5-6 -7-8-10x I _r (A)
t _{sd} (S) short time	0.06-0.1-0.2-0.3- 0.4-0.5-1.0 sec + OFF					
I _i (A) Short Circuit Protection Of High level Faults	4-6-7-8-9- 10-11-12-14 xI _r (A) + OFF	4-5-6-7-8 -9-10-11 -12 xI _r (A) + OFF		4-6-7-8-9- 10-11-12-14 xI _r (A) + OFF	4-5-6-7-8 -9-10-11 -12 xI _r (A) + OFF	
I _p (A) Pre Trip Alarm Setting Multiple	0.7-0.75-0.8-0.85-0.9-0.95 1.0 x I _r (A)			0.7-0.75-0.8-0.85-0.9-0.95 1.0 x I _r (A)		
For 4p I _g (A) Ground Fault Pickup Current	0.2-0.3-0.4-0.5-0.6-0.7-0.8-0.9 1.0 x I _n + OFF					
For 4p t _g (S) Ground Fault Pickup Time	Fixed for 0.4sec					