

Electronic Type With Knob

SGM6E Moulded Case
Circuit Breaker

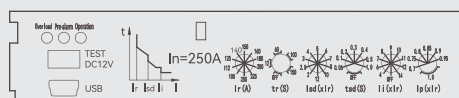


Ratings And Specifications

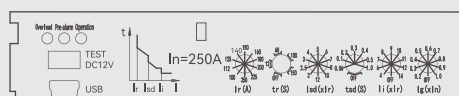
Electronic Type With Knob

Frame Size	 250			
Model	SGM6E-250			
Number of poles	3,4			
Rated current(A) In	125,160,250			
Standard	IEC60947-2			
Rated operational voltage	380/400/415V AC			
Rated insulation voltage Ui (V)	1000			
Rated impluse withstand voltage Uimp (kV)	8			
Selectivity category	B			
Breaking capacity level	L	M	H	H max
Rated ultimate short-circuit breaking capacity Icu(kA)	36	50	65	85
Rated service short-circuit breaking capacity Ics(kA)	25	36	50	66
Icu=Ics(kA)	25	36	50	66
Mechanical Endurance Electrical Endurance	for 100A		for 125-250A	
	8500 1500		7000 1000	
Installation	Auxiliary contact(OF) Alarm switch(SD) Shunt tirp(MX) Under-voltage release(MN) AC Motor Mechanism Extended Rotary Handle			

250 3P controller



250 4P controller

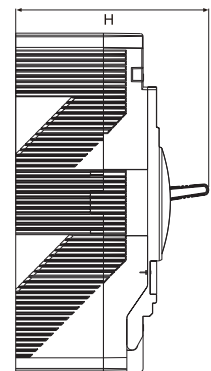
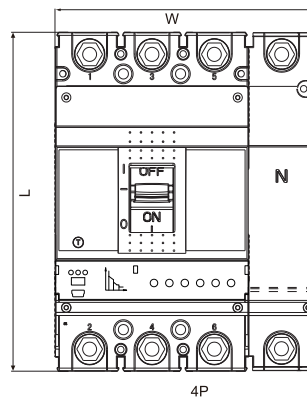
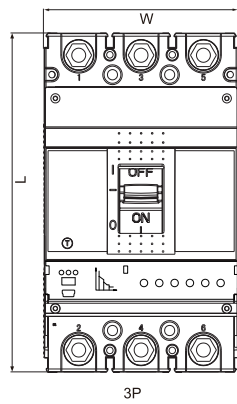


Product Dimension Drawing

Electronic Type With Knob

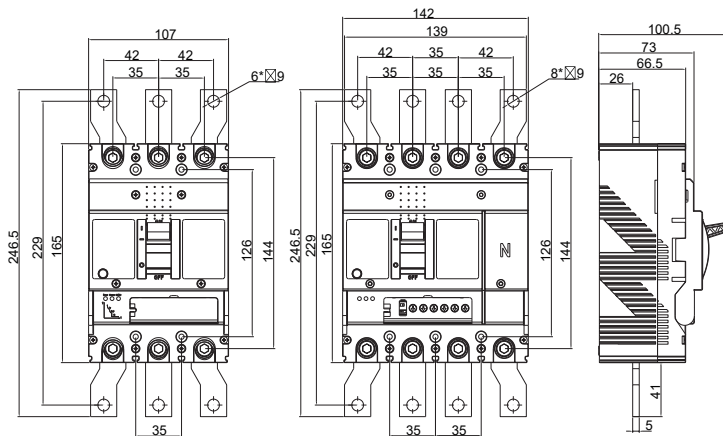
SGM6E

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



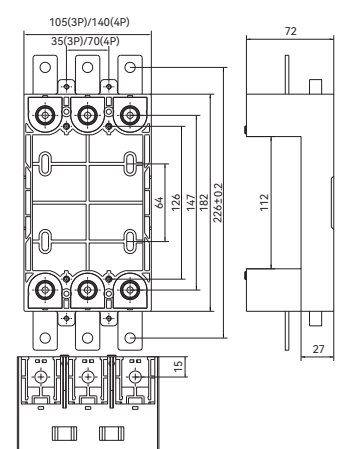
■ Front connection

Note: All dimensions are in mm



■ Front connection(mm)

Note: All dimensions are in mm



SGM6 Dimensions mm(L×W×H)

Frame Size		250	250 (Hmax)	Frame Size		250	250 (Hmax)
3P	Length	165	165	4P	Length	165	165
	Width	107	105		Width	142	140
	Height	100	108		Height	98	108

Setting Parameters		Electronic Type With Knob		
Frame Size	SGM6E-250A			
Rated current In(A)	125	160	250	
I _r (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	
t _r (S) Long Delay Time	12-60-100-150 sec + OFF			
I _{sd} (A) Short Circuit Protection Of Low Level Faults	2-2.5-3-4-5-6-7-8-10-12 x 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 x I _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)			
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			