


# Electronic Type With Knob

SGM6E Moulded Case  
Circuit Breaker

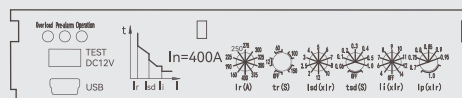


## Ratings And Specifications

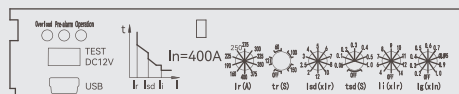
## Electronic Type With Knob

Frame Size	 400	
Model	SGM6E-400	
Number of poles	3,4	
Rated current(A) In	250,300,315,320,400	
Standard	IEC60947-2	
Rated operational voltage	380/400/415V AC	
Rated insulation voltage Ui (V)	1000	
Rated impulse withstand voltage Uimp (kV)	8	
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	for 250-315A	for 350-400A
	7000 1000	4000 1000
Installation	Auxiliary contact(OF) Alarm switch(SD) Shunt trip(MX) Under-voltage release(MN) AC Motor Mechanism Extended Rotary Handle	

**400 3P controller**



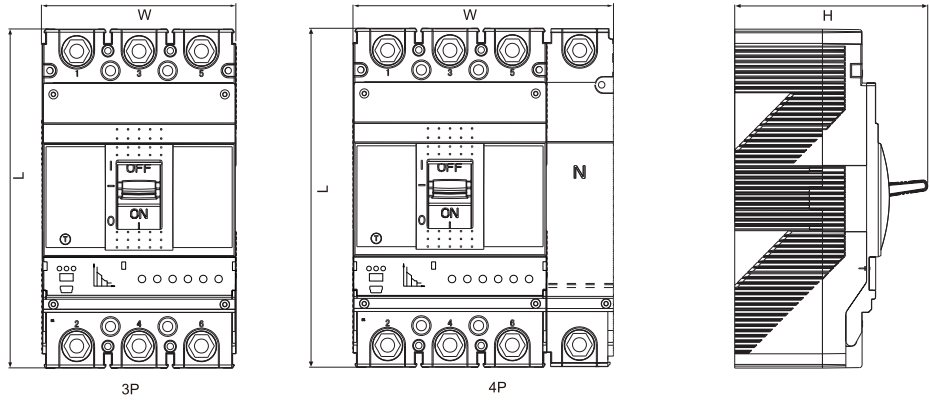
**400 4P controller**



# Product Dimension Drawing Electronic Type With Knob

## SGM6E

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

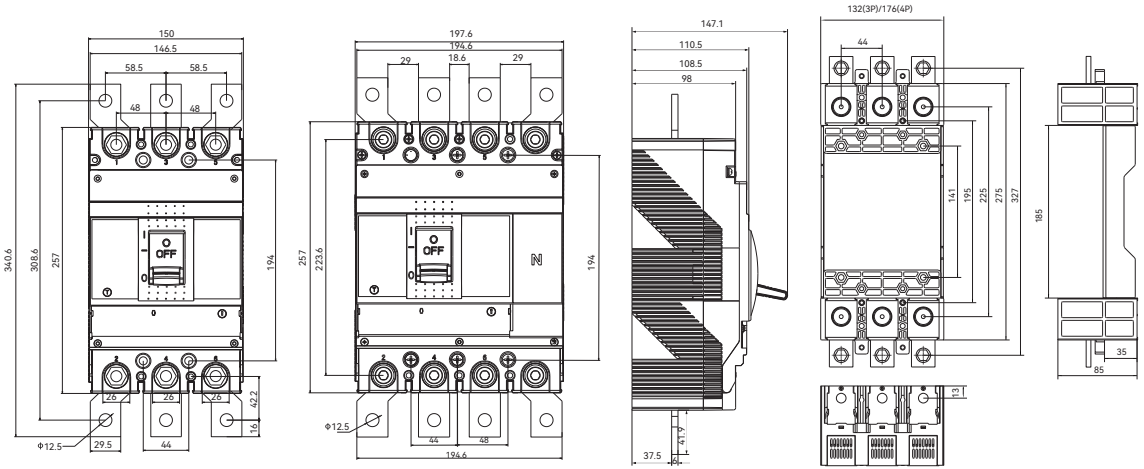


**■ Front connection**  
Note: All dimensions are in mm

**■ Front connection(mm)**  
Note: All dimensions are in mm

## SGM6/6S/6SM

400 (3P/4P)



## SGM6 Dimensions mm(L×W×H)

Frame Size		400			
3P	Length	257		Length	257
	Width	140		Width	197
	Height	148		Height	148

Setting Parameters		Electronic Type With Knob				
Frame Size	SGM6E-400A					
Rated current In(A)	250	300	315	320	400	
Ir(A) Long Delay Current Setting	100-112-125 140-150 160-180-200 225-250A	120-142-168 188-206 225-243-262 281-300A	126-150-177 196-216 236-255-275 295-315A	128-152-180 200-220 240-260-280 300-320A	160-190-225 250-275 300-325-350 375-400A	
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- 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 x Ir(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					