

Electronic Type With Knob

SGM6E Moulded Case
Circuit Breaker



KEMA
EUR

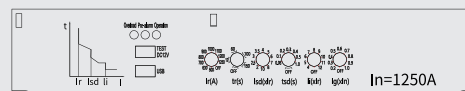
► DEKRA

Ratings And Specifications

Electronic Type With Knob

Frame Size	 1600	
Model	SGM6E-1600	
Number of poles	3,4	
Rated current(A) In	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)	12	
Mention Selectivity category	B	
Breaking capacity level	M	H
Rated ultimate short-circuit breaking capacity Icu(kA)	66	85
Rated service short-circuit breaking capacity Ics(kA)	50	66
Icu=Ics(kA)	50	66
Mechanical Endurance	2500	
Electrical Endurance	500	
Installation	Auxiliary contact(OF) Alarm switch(SD) Shunt trip(MX) Under-voltage release(MN) AC Motor Mechanism	

**1250 3P/4P
controller**

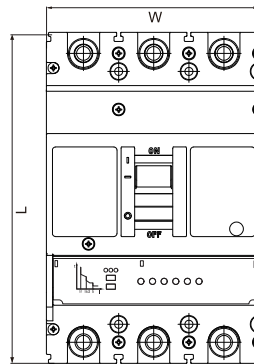


Product Dimension Drawing

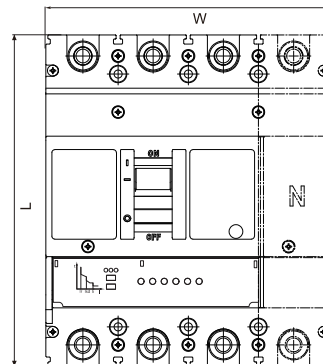
Electronic Type With Knob

SGM6E

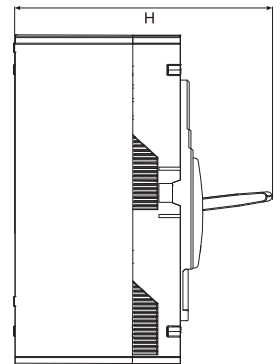
1600 (3P/4P)



3P

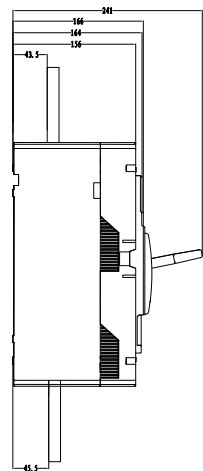
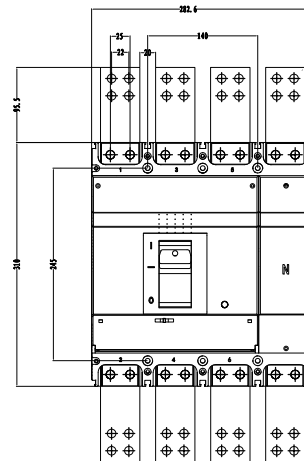
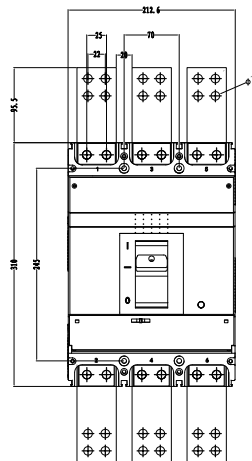


4P



SGM6/6S/6SM/6E

1600 (3P/4P)



SGM6 Dimensions mm(L×W×H)

Frame Size		1600			
3P	Length	310	4P	Length	310
	Width	212		Width	282
	Height	242		Height	242

Setting Parameters		Electronic Type With Knob	
Frame Size	SGM6E-1600A		
Rated current In(A)	1000	1250	1600
Ir(A) Long Delay Current Setting	400-500-630 700-800-850 900-950 1000A	500-630 700-800 900-1000 1100-1200 1250A	630-800 900-1000 1100-1250 1400-1500 1600A
tr(S) Long Delay Time	12-60-100-150 sec + OFF		
Isd(A) Short Circuit Protection Of Low Level Faults	2-2.5-3-3.5-4-5-6-7-8-10 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	4-5-6-7-8-9-10-11-12 xIr(A) + OFF		
Ip(A) Pre Trip Alarm Setting Multiple	Fixed 0.9x 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		