



Thermal & Magnetic Adjustable Type




SGM6sm Moulded Case Circuit Breaker



Ratings And Specifications Thermal & Magnetic Adjustable Type

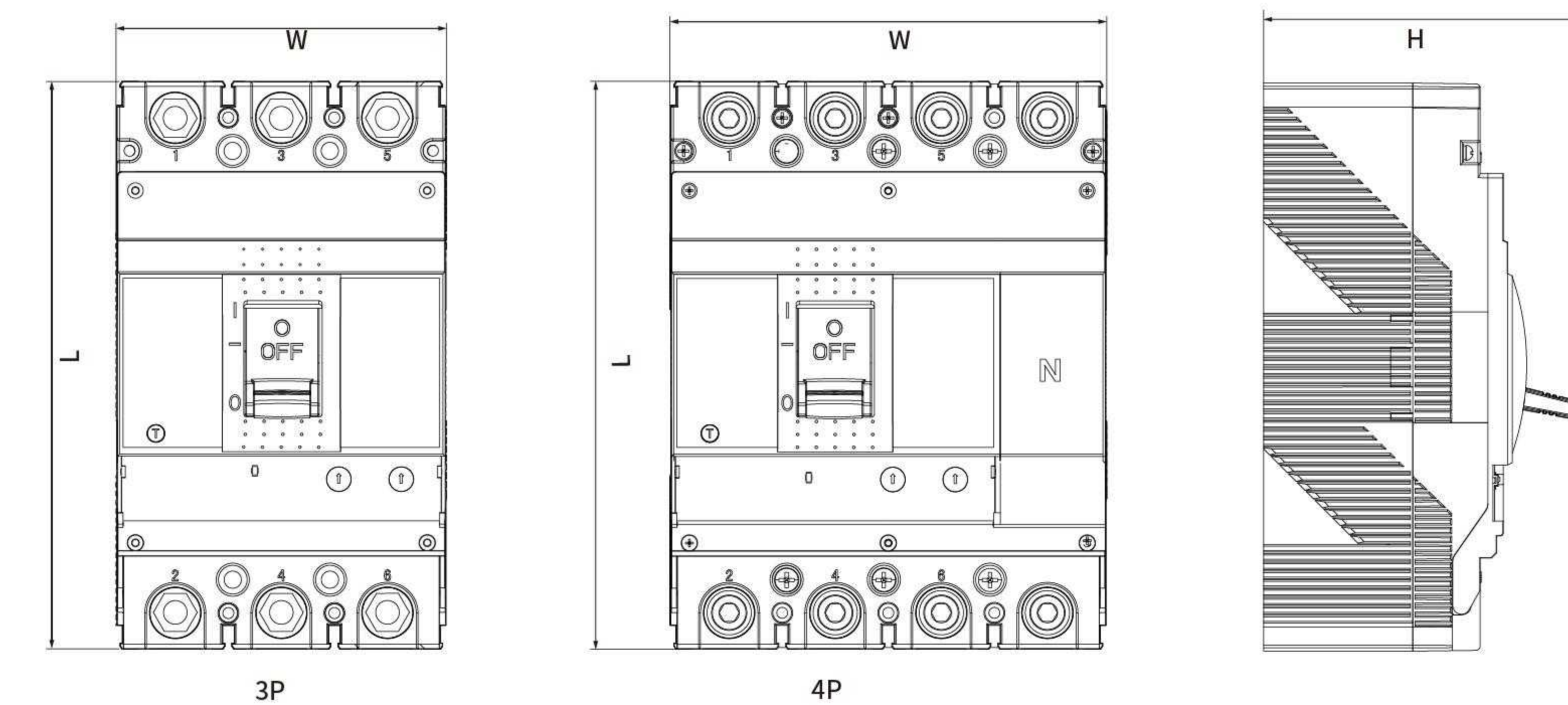
Frame Size	 160	 250				
Model	SGM6sm-160	SGM6sm-250				
Number of poles	3,4					
Rated current(A) In	80,90,100, 125,140,150,160	100,125,140, 150,160,175, 180,200,225,250				
Magnetic tripping current (Ii)	10*In					
Thermo-adjustable setting Ir(xIn)	0.8/0.9/1.0					
Magnetic-adjustable setting Ii(xIn)	6-8-10					
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	L	M	H	L	M	H
Rated ultimate short-circuit breaking capacity Icu(kA)	36	50	65	36	50	65
Rated service short-circuit breaking capacity Ics(kA)	25	36	50	25	36	50
Icu=Ics(kA)	25	36	50	25	36	50
Mechanical Endurance	for 30-100A	for 125-160A	for 100A	for 125-250A		
Electrical Endurance	8500 1500	7000 1000	8500 1500	7000 1000		
Installation	Auxiliary contact(OF) Alarm switch(SD) Shunt tirp(MX) Under-voltage release(MN) AC Motor Mechanism Extended Rotary Handle Fixed magnetic trip					

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Frame Size						
	400	630	800			
Model	SGM6sm-400	SGM6sm-630	SGM6sm-800			
Number of poles	3,4					
Rated current(A) In	250,280,300, 315,350,400	400,500,550, 630	630,700,770, 800			
Magnetic tripping current (li)	10*In					
Thermo-adjustable setting Ir(xIn)	0.8/0.9/1.0					
Magnetic-adjustable setting li(xIn)	6-8-10					
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	H	M	H
Rated ultimate short-circuit breaking capacity Icu(kA)	85	100	85	100	85	100
Rated service short-circuit breaking capacity Ics(kA)	60	75	60	75	60	75
Icu=Ics(kA)	60	75	60	75	60	75
Mechanical Endurance	for 250-315A	for 350-400A	4000		2500	
Electrical Endurance	7000	4000	1000		500	
Installation	Auxiliary contact(OF) Alarm switch(SD) Shunt trip(MX) Under-voltage release(MN) AC Motor Mechanism Fixed magnetic trip					

Product Dimension Drawing Thermal Magnetic Adjustable Type

SGM6sm
160,250,400,630,800



SGM6sm Dimensions mm(L×W×H)

Frame Size		160	250	400	630	800
3P	Length	155	165	257	257	280
	Width	95	107	140	150	210
	Height	93	99	148	148	155
4P	Length	155	165	257	257	280
	Width	122	142	184	198	280
	Height	93	99	148	148	155