

Electronic Type With LCD

iSGM6E Moulded Case
Circuit Breaker



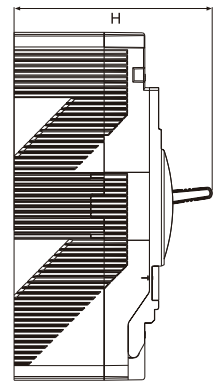
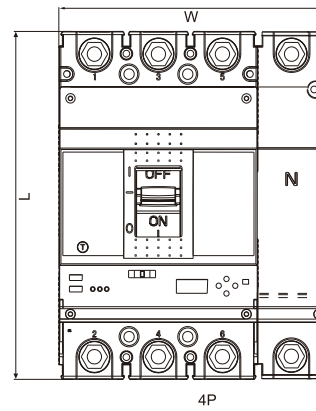
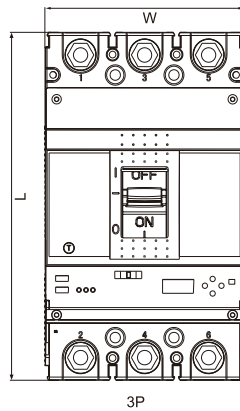
Ratings And Specifications		Electronic Type With LCD			
Frame Size	 160				
Model	iSGM6E-160				
Number of poles	3,4				
Rated current(A) In	63,100,125,160				
Standard	IEC60947-2				
Reference temperature	40°C/50°C/55°C				
Rated operational voltage	380/400/415V AC				
Rated insulation voltage Ui (V)	1000				
Rated impluse withstand voltage Uimp (kV)	8				
Selectivity category	A				
Rated short-time with stand current (Icw)					
Breaking capacity level	L	M	H	H ⁺	
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 63-100A			for 125-160A	
	8500 1500			7000 1000	
Accessories	Auxiliary contact(OF) Alarm switch(SD) Shunt tirp(MX) Under-voltage release(MN) AC Motor Mechanism Extended Rotary Handle				

Product Dimension Drawing

Electronic Type With LCD

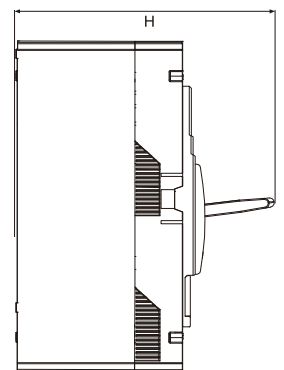
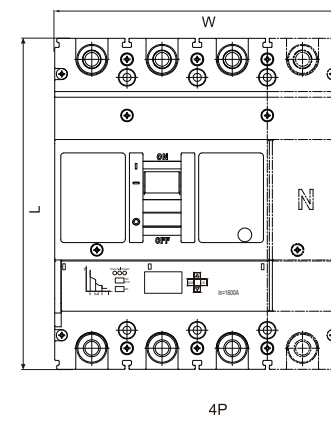
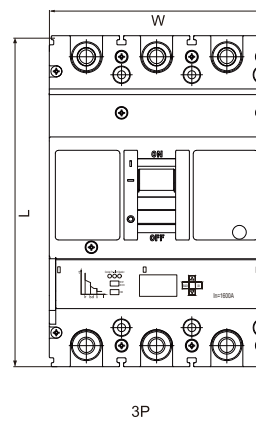
iSGM6E

160,250,400,630,800/1000



iSGM6E

1600



iSGM6E Dimensions mm(L×W×H)

Frame Size		160	160(H ⁺)
3P	Length	155	155
	Width	92	92
	Height	93	99
4P	Length	155	155
	Width	122	122
	Height	93	99

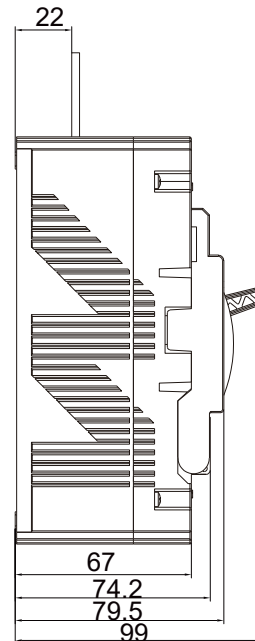
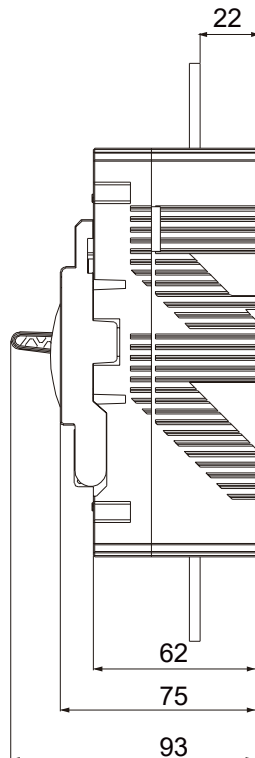
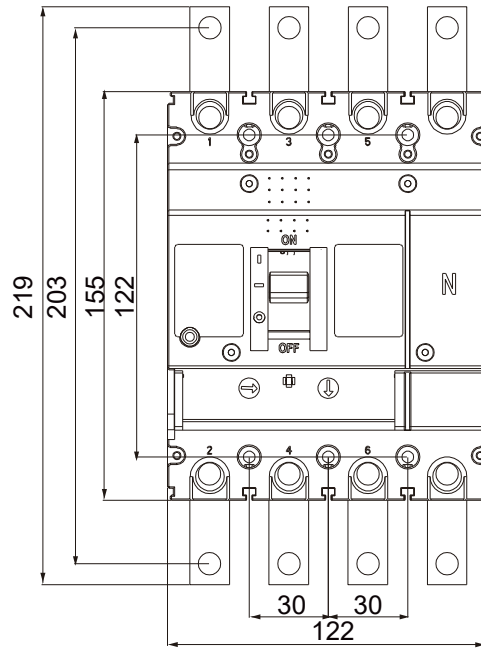
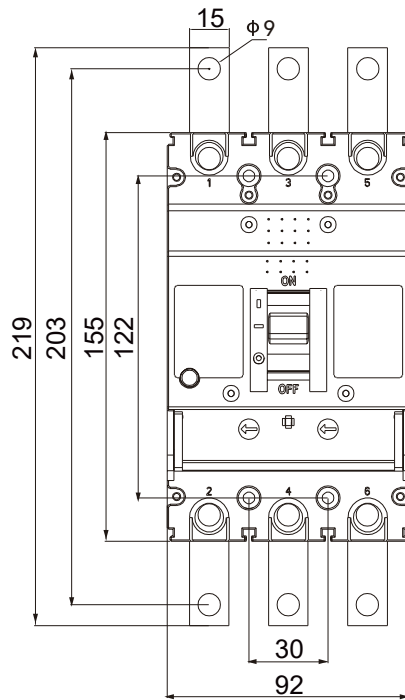
Setting Parameters		Electronic Type With LCD		
Frame Size	iSGM6E-160A			
Rated current In(A)	63	100	125	160
Ir(A) Long Delay Current Setting	25-63A in steps of 1A	40-100A in steps of 1A	50-125A in steps of 1A	63-160A in steps of 1A
tr(s) Long Delay Time	12-150 sec in steps of 1 sec+OFF			
Isd(A) Short Circuit Protection Of Low Level Faults	126-630A in steps of 1A	200-1000A in steps of 1A	250-1250A in steps of 1A	320-1600A in steps of 1A
tsd (s) short time	0.06-1 sec in steps of 0.01 sec+OFF			
li(A) Short Circuit Protection Of High level Faults	100-756 in steps of 1A + OFF	252-756A in steps of 1A + OFF	400-1200A in steps of 1A + OFF	640-1920A in steps of 1A + OFF
Ip(A) Pre Trip Alarm Setting Multiple	44-63A in steps of 1A	70-100A in steps of 1A	87-125A in steps of 1A	112-160A in steps of 1A
For 4p Ig(A) Ground Fault Pickup Current	12.6-63A in steps of 1A + OFF	20-100A in steps of 1A + OFF	25-125A in steps of 1A + OFF	32-160A in steps of 1A + OFF
For 4p tg(s) Ground Fault Pickup Time	0.4-1 sec in steps of 0.1sec			

MCCB With Spreader Link Dimensions

■ Front connection

Note: All dimensions are in mm

SGM6/6s/6sm/6E-160A 3 POLES & 4 POLES



(H⁺)