

Setting Parameters				Electronic Type With Button						
Frame Size	250A			400A		630A		800A		
Rated current In(A)	125	160	250	250	400	250	400	630	630	800
Ir(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		160-190-225 250-275 300-325-350 375-400A	100-112-125 140-150 160-180-200 225-250A	160-190-225 250-275 300-325-350 375-400A	252-300-350-400-435 475-515-550-595-630A		320-435-550 630-660 690-715-745 770-800A
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 sec + OFF			0.06-0.1-0.3- 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 xIr(A) + OFF			4-5-6-7-8-9 10-11-12-14 xIr(A) + OFF		4-6-7-8-9-10-11-12-14 xIr(A) + OFF		4-5-6-7-8-9 10-11-12 xIr(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									

Electronic Type With LCD

iSGM6E Moulded Case
Circuit Breaker



Ratings And Specifications Electronic Type With LCD

Frame Size						
Model	iSGM6E-400		iSGM6E-630		iSGM6E-800	
Number of poles	3,4					
Rated current(A) In	250,400		250,400,630		630,800	
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 Extended Rotary Handle					

Product Dimension Drawing Electronic Type With LCD

iSGM6E

400,630,800

ISGM6E Dimensions mm(L×W×H)				
Frame Size		400	630	800
3P	Length	257	257	280
	Width	150	150	210
	Height	148	148	155
4P	Length	257	257	280
	Width	198	198	280
	Height	148	148	155

Setting Parameters		Electronic Type With LCD					
Frame Size	400A		630A		800A		
Rated current In(A)	250	400	250	400	630	630	800
Ir(A) Long Delay Current Setting	100-250A in steps of 1A	160-400A in steps of 1A	100-250A in steps of 1A	160-400A in steps of 1A	252-630A in steps of 1A		320-800A in steps of 1A
tr(S) Long Delay Time	12-150sec in steps of 1 sec+OFF						
I _{sd} (A) Short Circuit Protection Of Low Level Faults	200-3000A in steps of 1A	320-4800A in steps of 1A	200-3000A in steps of 1A	320-4800A in steps of 1A	504-7560A in steps of 1A		640-9600A in steps of 1A
tsd (S) short time	0.06-1sec in steps of 0.02 sec+OFF						
I _i (A) Short Circuit Protection Of High level Faults	400-3500A in steps of 1A + OFF	640-5600A in steps of 1A + OFF	400-3500A in steps of 1A + OFF	640-5600A in steps of 1A + OFF	1008- 8820A in steps of 1A + OFF		1280-9600A in steps of 1A + OFF
I _p (A) Pre Trip Alarm Setting Multiple	70-250A in steps of 1A	112-400A in steps of 1A	70-250A in steps of 1A	112-400A in steps of 1A	175-630A in steps of 1A	175-630A in steps of 1A	224-800A in steps of 1A
For 4p I _g (A) Ground Fault Pickup Current	50-250A in steps of 1A + OFF	80-400A in steps of 1A + OFF	50-250A in steps of 1A + OFF	80-400A in steps of 1A + OFF	126-630A in steps of 1A + OFF		160-800A in steps of 1A + OFF
For 4p t _g (S) Ground Fault Pickup Time	Fixed for 0.4sec						

MCCB With ELCB Type

SGM6L Moulded Case
Circuit Breaker

