

Electronic Type With LCD

iSGM6E Moulded Case
Circuit Breaker



DEKRA

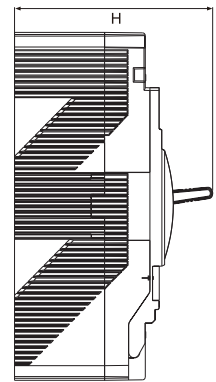
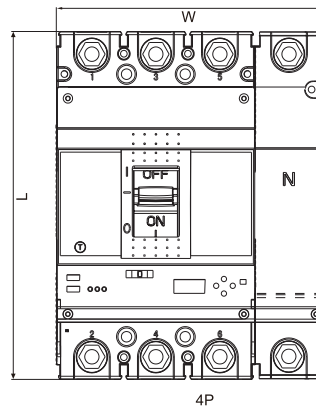
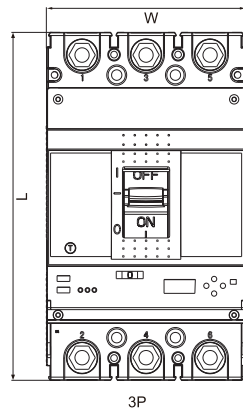
Ratings And Specifications		Electronic Type With LCD		
Frame Size	 250			
Model	iSGM6E-250			
Number of poles	3,4			
Rated current(A) In	125,160,200, 250			
Standard	IEC60947-2			
Reference temperature	40°C/55°C			
Rated operational voltage	380/400/415V AC			
Rated insulation voltage Ui (V)	1000			
Rated impluse withstand voltage Uimp (kV)	8			
Selectivity category	B			
Breaking capacity level	L	M	H	Hmax
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 100A		for 125-250A	
	8500 1500		7000 1000	
Installation	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

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



SGM6 Dimensions mm(L×W×H)

Frame Size		250	250 (Hmax)
3P	Length	165	165
	Width	107	105
	Height	100	108
4P	Length	165	165
	Width	142	140
	Height	98	108

Setting Parameters

Electronic Type With LCD

Frame Size	iSGM6E-250A			
Rated current In(A)	125	160	200	250
I _r (A) Long Delay Current Setting	50-125A in steps of 1A	63-160A in steps of 1A	80-200A in steps of 1A	100-250A in steps of 1A
t _r (S) Long Delay Time	12-150sec in steps of 1 sec+OFF			
I _{sd} (A) Short Circuit Protection Of Low Level Faults	100-1500A in steps of 1A	126-1920A in steps of 1A	160-2400A in steps of 1A	200-3000A in steps of 1A
t _{sd} (S) short time	0.06-1sec in steps of 0.01 sec+OFF			
I _i (A) Short Circuit Protection Of High level Faults	200-1750A in steps of 1A + OFF	252-2240A in steps of 1A + OFF	320-2800A in steps of 1A + OFF	400-3500A in steps of 1A + OFF
I _p (A) Pre Trip Alarm Setting Multiple	35-125A in steps of 1A	44.1-160A in steps of 1A	56-200A in steps of 1A	70-250A in steps of 1A
For 4p I _g (A) Ground Fault Pickup Current	25-125A in steps of 1A + OFF	32-160A in steps of 1A + OFF	40-200A in steps of 1A + OFF	50-250A in steps of 1A + OFF
For 4p t _g (S) Ground Fault Pickup Time	0.4-1sec in steps of 0.1sec			