

Thermal & Magnetic Adjustable Type

SGM6sm Moulded Case
Circuit Breaker



DEKRA

Ratings And Specifications

Thermal & Magnetic Adjustable Type

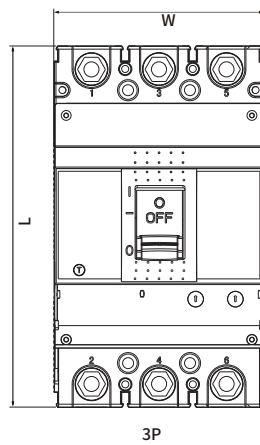
Frame Size	 160			
Model	SGM6sm-160			
Number of poles	3,4			
Rated current(A) In	30,32,40,50,63 70,75,80,100, 125,140,150,160			
Magnetic tripping current (li)	10*In			
Thermo-adjustable setting Ir(xIn)	0.8/0.9/1.0			
Magnetic-adjustable setting li(xIn)	6-8-10			
Standard	IEC60947-2			
Reference temperature	40°C/50°C/55°C			
Rated operational voltage	380/400/415V AC			
Rated insulation voltage Ui (V)	1000			
Rated impluse withstand voltage Uimp (kV)	8			
Breaking capacity level	L	M	H	H max
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 30-100A		for 125-160A	
	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			

Product Dimension Drawing

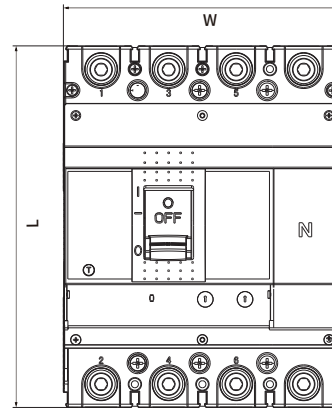
Thermal Magnetic Adjustable Type

SGM6sm

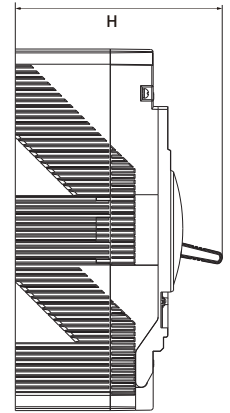
160,250,400,630
800/1000 (3P/4P)



3P

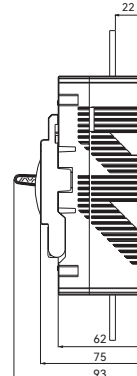
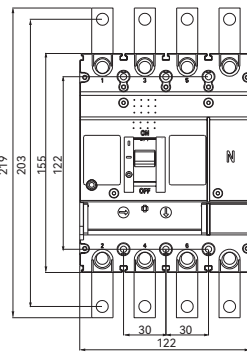
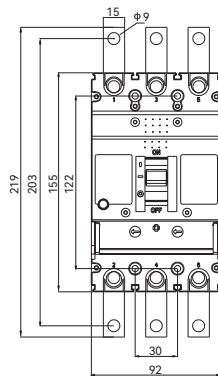


4P



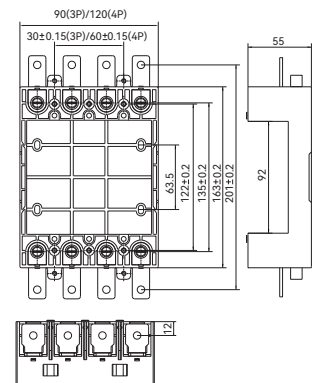
Front connection

Note: All dimensions are in mm



Front connection(mm)

Note: All dimensions are in mm



SGM6/6S/6SM

160 (3P/4P)

SGM6 Dimensions mm(L×W×H)

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