

Main technical data SGM3EL

Type	SGM3EL-1 25CY	SGM3EL-2 50CY	SGM3EL-40 0CY	SGM3EL-8 00CY	
Shell current (A)	125	250	400	800	
Poles	3P+N	3P+N	3P+N	3P+N	
Rated operation voltage U_e (V)	AC 400 50Hz				
Rated insulation voltage U_i (V)	AC 1000				
Rated impulse withstand voltage U_{imp} (V)	8000				
Flash-over distance (mm)	≥50	≥50	≥100	≥100	
Limit short circuit breaking capacity I_{cu} (KA)	50	50	65	65	
Operation short circuit breaking capacity I_{cs} (KA)	35	35	42	42	
Rated residual short circuit connecting (breaking) capacity $I_{\Delta n}$ (KA)	12.5	12.5	20	20	
Residual current action characteristic	AC Type				
Rated residual operated current $I_{\Delta n}$ (mA)	50/100/200/400/600/800 MCU Tracing automatically or setting by hand		100/200/300/500/800/1000 MCU Tracing automatically or setting by hand		
Residual operation time characteristic	Delay-type / Not delay-type				
Delay-type limit no-drive time (s)	0.06/0.1/0.2 optional : 2 $I_{\Delta n}$				
Breaking time (s)	$I_{\Delta n} \leq 0.5$; $2I_{\Delta n} \leq 0.2$; $5I_{\Delta n} \leq 0.15$				
Automatically re-close time (s)	20 – 60				
Operating performance (times)	Power on	1500	1000	1000	1000
	Power off	8500	7000	4000	4000
	Total	10000	8000	5000	5000
Overload and short circuit characteristic	Three section protection, electronic adjustable, see attached “protection characteristic instruction”				
Over-voltage protection value (V)	Set value (250~300) ±5%				
Under-voltage protection value (V)	Set value (145~200) ±5%				
Joint control delay time (ms)	≤40ms				
Communication delay time (ms)	≤200ms				