

Ratings:

Number of poles	: 3P and 4P (unprotected N pole)
Protected pole	: 3
Rated operational voltage (Ue)	: 380 Vac / 400 Vac / 415 Vac
Rated insulation voltage (Ui)	: 800 V
Rated impulse withstand voltage (Uimp)	: 8 kV
Rated frequency	: 50 / 60 Hz
Rated current (In)	: 100 A, 125 A, 140 A, 150 A, 160 A, 175 A, 180 A, 200 A, 225 A, 250 A
Conventional thermal current (Ith)	: Equal to In
Current rating for four-pole circuit-breakers	: Equal to In
Rated frequency	: 50 / 60 Hz
Suitable for isolation	: Suitable
Selectivity category	: A
Safety distance (screen-circuit breaker)	: Front / Back: 0 mm, Left / Right: 50 mm, Up / Down: 50 mm
Reference temperature	: 40 °C and 55 °C
Ambient temperature	: - 5 °C to 40 °C for reference temperature 40 °C - 5 °C to 40 °C and 55 °C for reference temperature 55 °C
Method of mounting	: Fixed
EMC environment	: A and B
Tightening torque for terminals	: 6 Nm
Line/load terminal Connection	: Marked Copper conductor with cable lug
Inverse time delay release	: Thermal type, $I_r = 0,8 I_n - 1,0 I_n$
Time setting of the inverse time delay release	: Fixed, trip time at $2 I_n$: $2 \text{ min} \leq t \leq 12 \text{ min}$
Instantaneous release	: Magnetic type, fixed, 2 poles in series: $I_i = 10 I_n$ single pole: $12 I_n$

Product rating - SGM3S-250M

Rated service short-circuit breaking capacity (Ics)	: 36 kA
Rated ultimate short-circuit breaking capacity (Icu)	: 50 kA

Product rating - SGM3S-250L

Rated service short-circuit breaking capacity (Ics)	: 27 kA
Rated ultimate short-circuit breaking capacity (Icu)	: 36 kA

Additional information:

Nomenclature breakdown:

SGM3S-250M/4300

a b c d

a = Model name: SGM3S

b = Frame size: 250

c = short-circuit capacity: 'M' or 'L'

d = pole numbers, '4' means 4P MCCBs, '3' means 3P MCCBs