



SGM6s-400



SGM6s-630



SGM3S-800
SGM6s-800

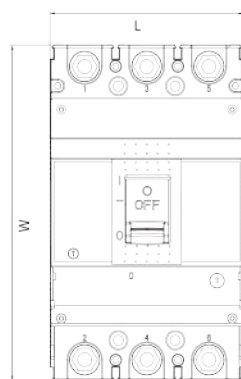


Moulded Case Circuit Breaker

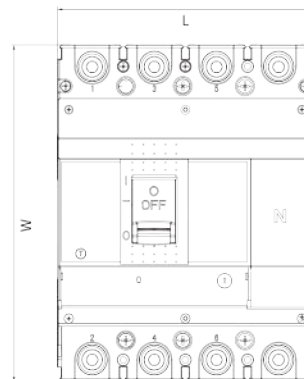
Thermal Adjustable Type

Frame Size	400A		630A		800A	
Model	SGM6s-400		SGM6s-630		SGM3S-800 SGM6s-800	
Number of poles	3,4		3,4		3,4	
Rated current(A) In	250,280,300, 315,350,400		400,500,550, 630		630,700,770, 800	
Thermo-adjustable setting Ir(xIn)	0.8/0.9/1.0					
Standard	IEC60947-2					
Reference temperature	40°C/55°C					
Rated operational voltage	380/400/415VAC					
Rated insulation voltage Ui (VAC)	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
Mechanical Endurance	4000		4000		2500	
Electrical Endurance	1000		1000		500	
Fixed magnetic trip	■		■		■	
Accessories						
Auxiliary contact(OF)	■		■		■	
Alarm switch(SD)	■		■		■	
Shunt trip(MX)	■		■		■	
Under-voltage release(MN)	■		■		■	
AC Motor Mechanism	■		■		■	
Dimensions mm(L×W×H)	3P	150x257x148	150x257x148	210x280x155		
	4P	198x257x148	198x257x148	280x280x155		

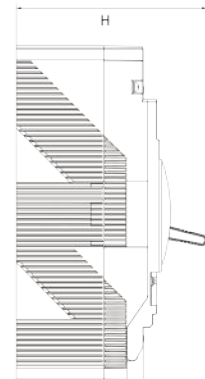
“■” shows it has this option; “-” means it has no this option.



3P



4P





SGM6sm-125



SGM6sm-400



SGM6sm-630



SGM6sm-800

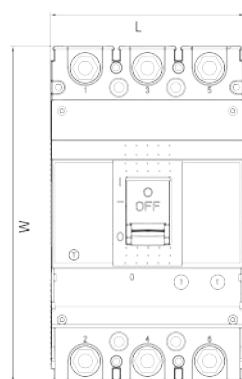


Moulded Case Circuit Breaker

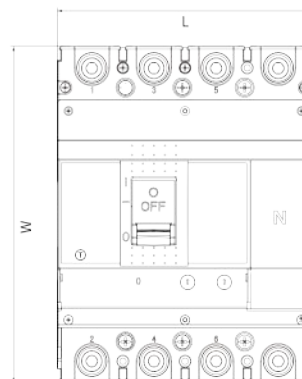
Thermal & Magnetic Adjustable Type

Frame Size	125A	400A	630A	800A					
Model	SGM6sm-125	SGM6sm-400	SGM6sm-630	SGM6sm-800					
Number of poles	3,4	3,4	3,4	3,4					
Rated current(A) In	32,40,50,60, 63,70,75,80, 90,100,125	250,280,300, 315,350,400	400,500,550, 630	630,700,770, 800					
Magnetic-adjustable setting Ii(xIn)	5/8/10 or 8/10/12								
Thermo-adjustable setting Ir(xIn)	0.8/0.9/1.0								
Standard	IEC60947-2								
Reference temperature	40°C/55°C								
Rated operational voltage	380/400/415VAC								
Rated insulation voltage Ui (V)	800								
Rated impulse withstand voltage Uimp (kV)	8								
Breaking capacity level	L	M	H	M	H	M	H	M	H
Rated ultimate short-circuit breaking capacity Icu(kA)	10	25	36	85	100	85	100	85	100
Rated service short-circuit breaking capacity Ics(kA)	10	18	25	60	75	60	75	60	75
Mechanical Endurance	8500	4000	4000	2500					
Electrical Endurance	1500	1000	1000	500					
Accessories									
Auxiliary contact(O/F)	■	■	■	■					
Alarm switch(SD)	■	■	■	■					
Shunt tirp(MX)	■	■	■	■					
Under-voltage release(MN)	■	■	■	■					
AC Motor Mechanism	■	■	■	■					
Dimensions mm(L×W×H)	3P	75x133x82	150x257x148	150x257x148	210x280x155				
	4P	100x133x82	198x257x148	198x257x148	280x280x155				

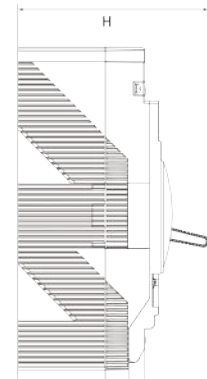
“■” shows it has this option; “-” means it has no this option.



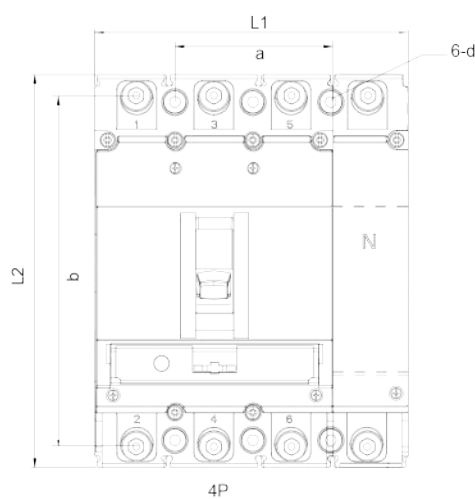
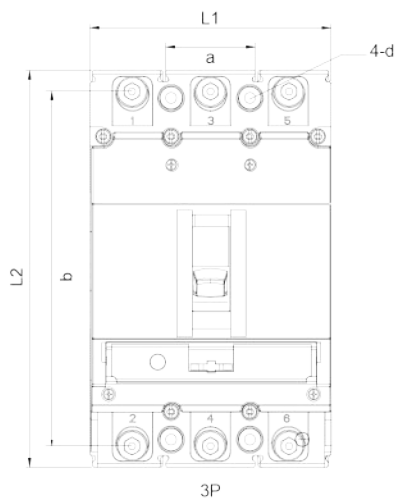
3P



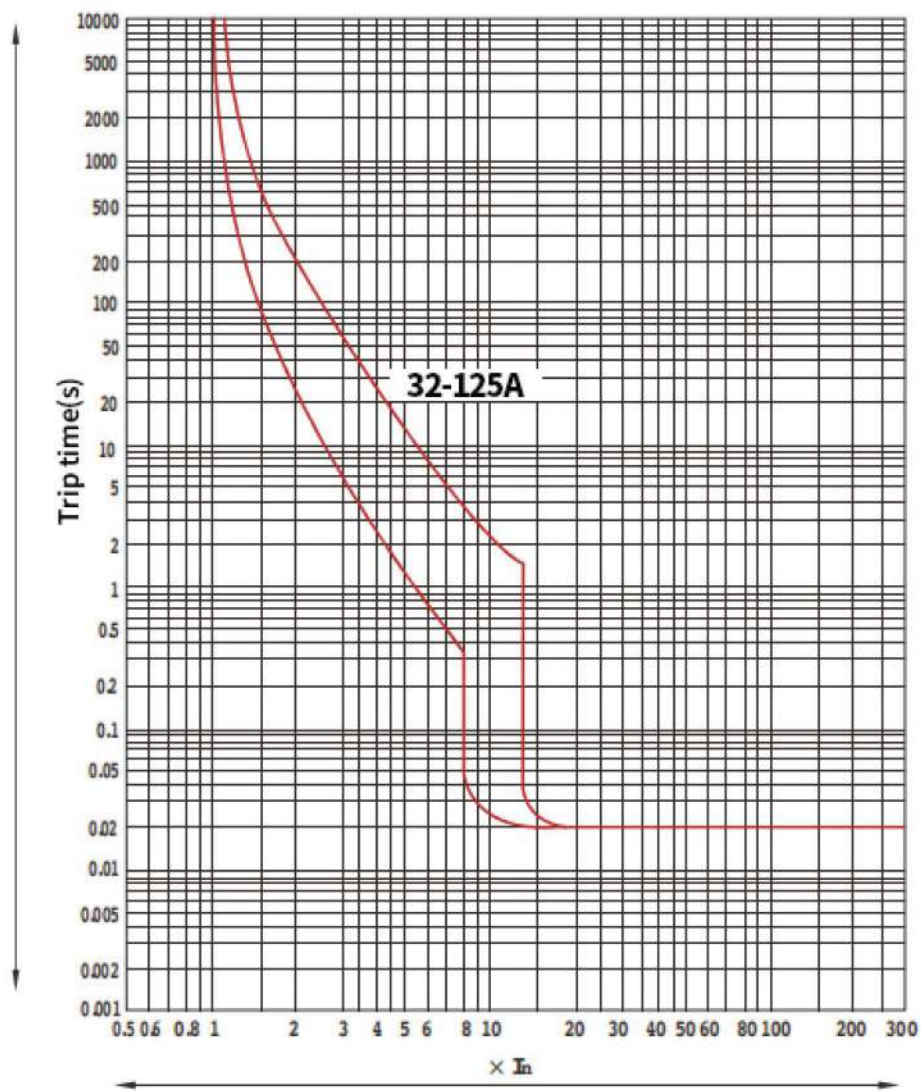
4P



Applicable frame size	Poles	Outline Dimension				Installation Dimension		
		L1	L2	L3	L4	a	b	d
SGM6/6s/6sm-125L	3	75	133	82	66.5	25	111	Ø3.5
	4	100	133	82	66.5	50	111	Ø3.5
SGM6/6s/6sm-125M	3	75	133	82	66.5	25	111	Ø3.5
	4	100	133	82	66.5	50	111	Ø3.5
SGM6/6s/6sm-125H	3	75	133	82	66.5	25	111	Ø3.5
	4	100	133	82	66.5	50	111	Ø3.5
SGM3/3S-160L	3	92	150	90	72	30	129	Ø4.5
	4	122	150	90	72	60	129	Ø4.5
SGM3/3S-160M	3	92	150	110	90	30	129	Ø4.5
	4	122	150	110	90	60	129	Ø4.5
SGM3/3S-250L	3	106	165	109	91	35	126	Ø4.5
	4	141	165	109	91	70	126	Ø4.5
SGM3/3S-250M	3	107	165	127	109	35	126	Ø4.5
	4	141	165	127	109	70	126	Ø4.5
SGM6/6s/6sm-400M	3	150	257	148	114	44	194	Ø7
	4	198	257	148	114	88	194	Ø7
SGM6/6s/6sm-400H	3	150	257	148	114	44	194	Ø7
	4	198	257	148	117	88	194	Ø7
SGM6/6s/6sm-630M	3	150	257	148	120	44	194	Ø7
	4	198	257	148	120	88	194	Ø7
SGM6/6s/6sm-630H	3	150	257	148	120	44	194	Ø7
	4	198	257	148	120	88	194	Ø7
SGM3/3S-800M	3	210	280	155	125	70	243	Ø7
SGM6/6s/6sm-800M	4	280	280	155	125	140	243	Ø7
SGM3/3S-800H	3	210	280	155	125	70	243	Ø7
SGM6/6s/6sm-800H	4	280	280	155	125	140	243	Ø7
SGM1-1250M	3	210	330	191	137	70	299	Ø9

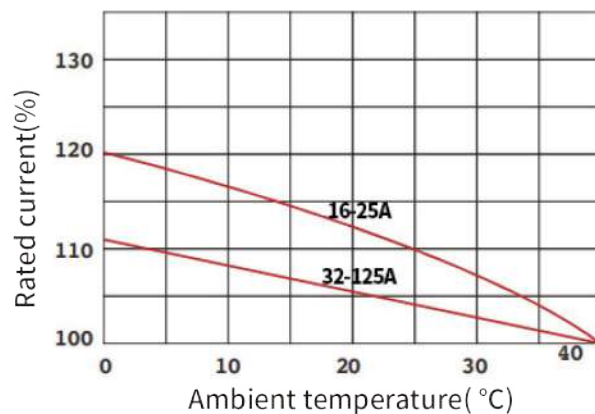


SGM6-125 Time current characteristic curve



Note:SGM3-125 the instantaneous action current of 16-25A is 300A± 20%

Current-temperature characteristics

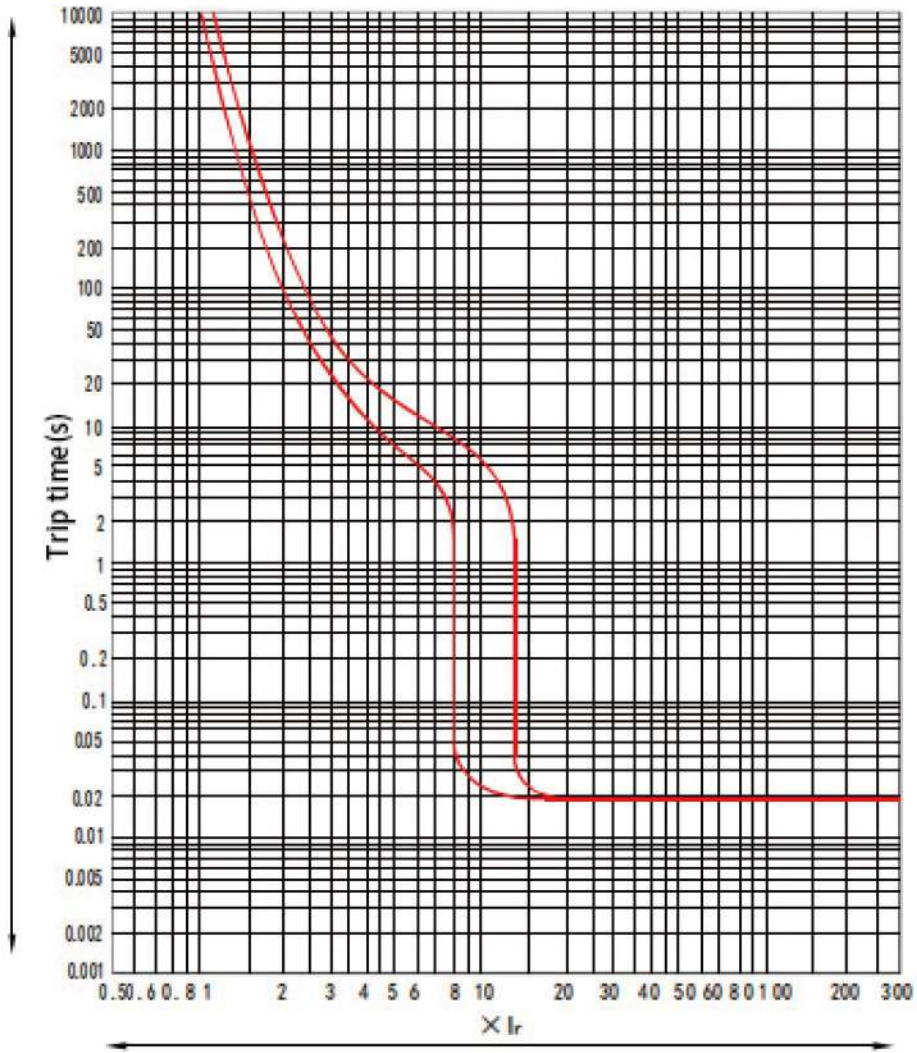


Temperature compensation coefficient chart

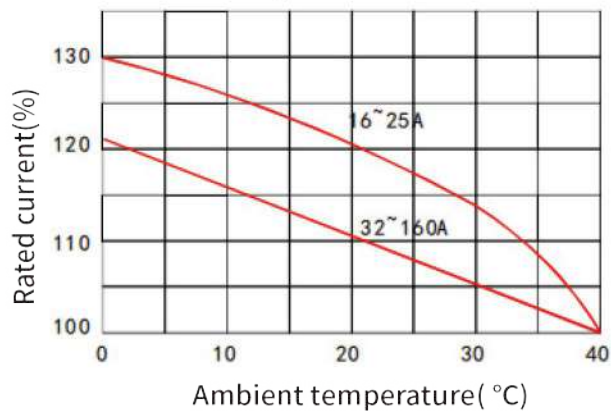


08

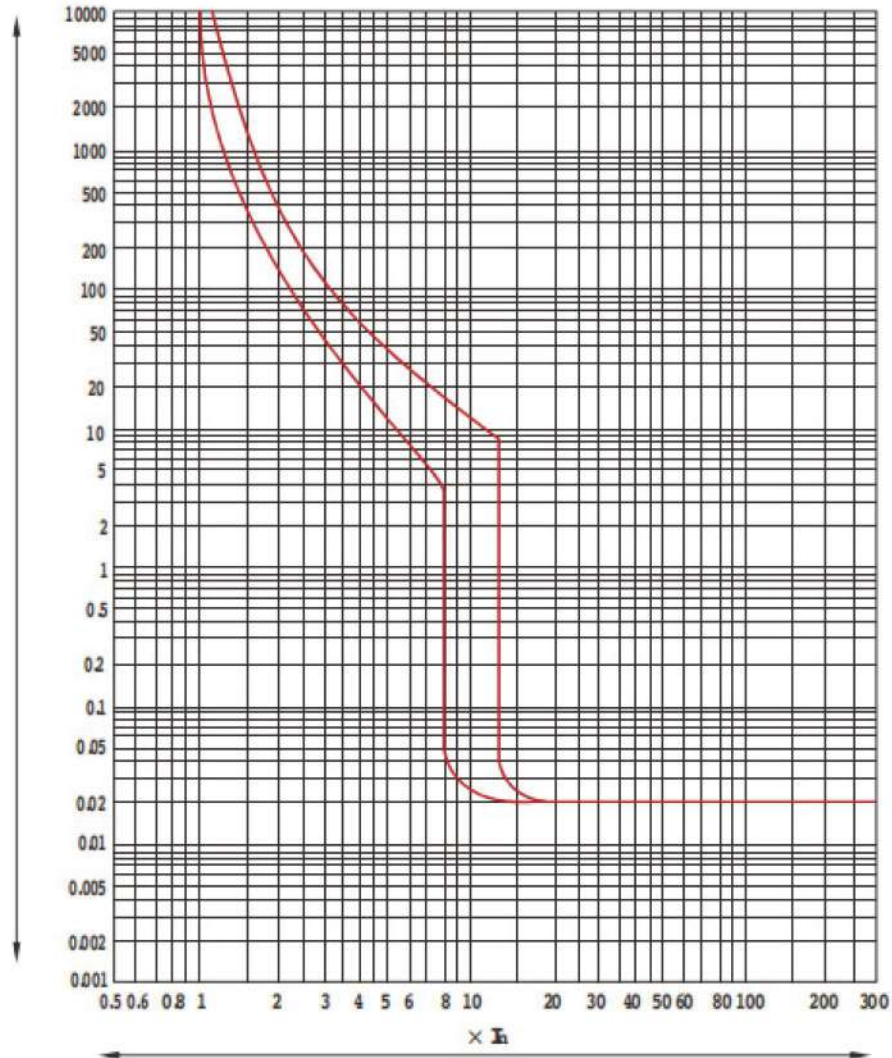
SGM3-160 Time current characteristic curve



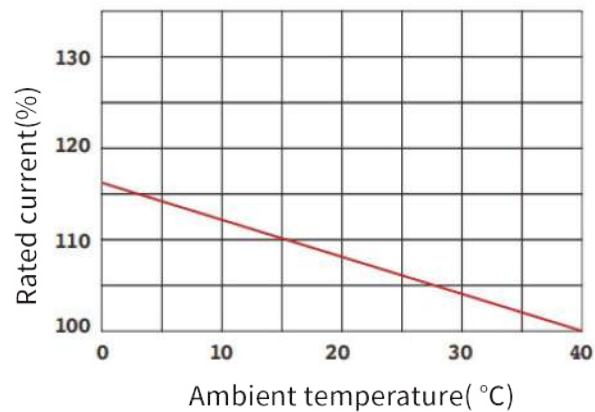
Current-temperature characteristics



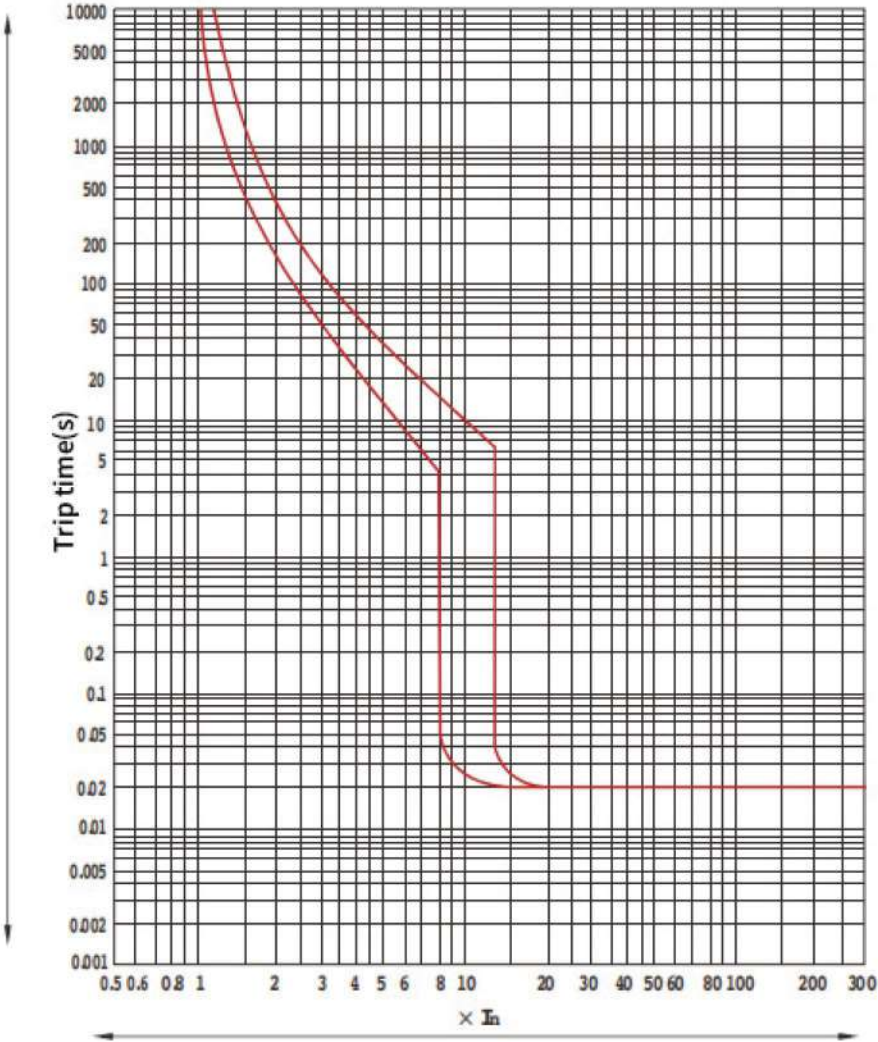
SGM3-250 Time current characteristic curve



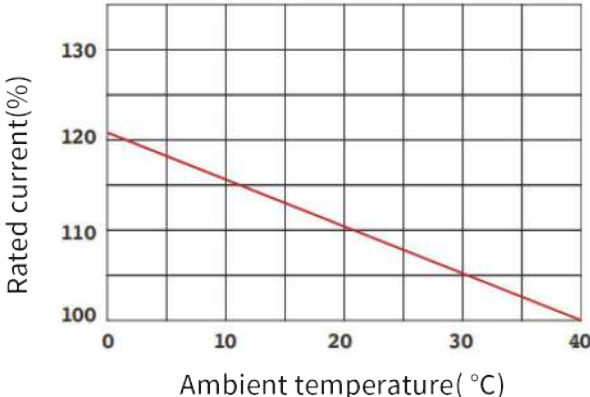
Current-temperature characteristics



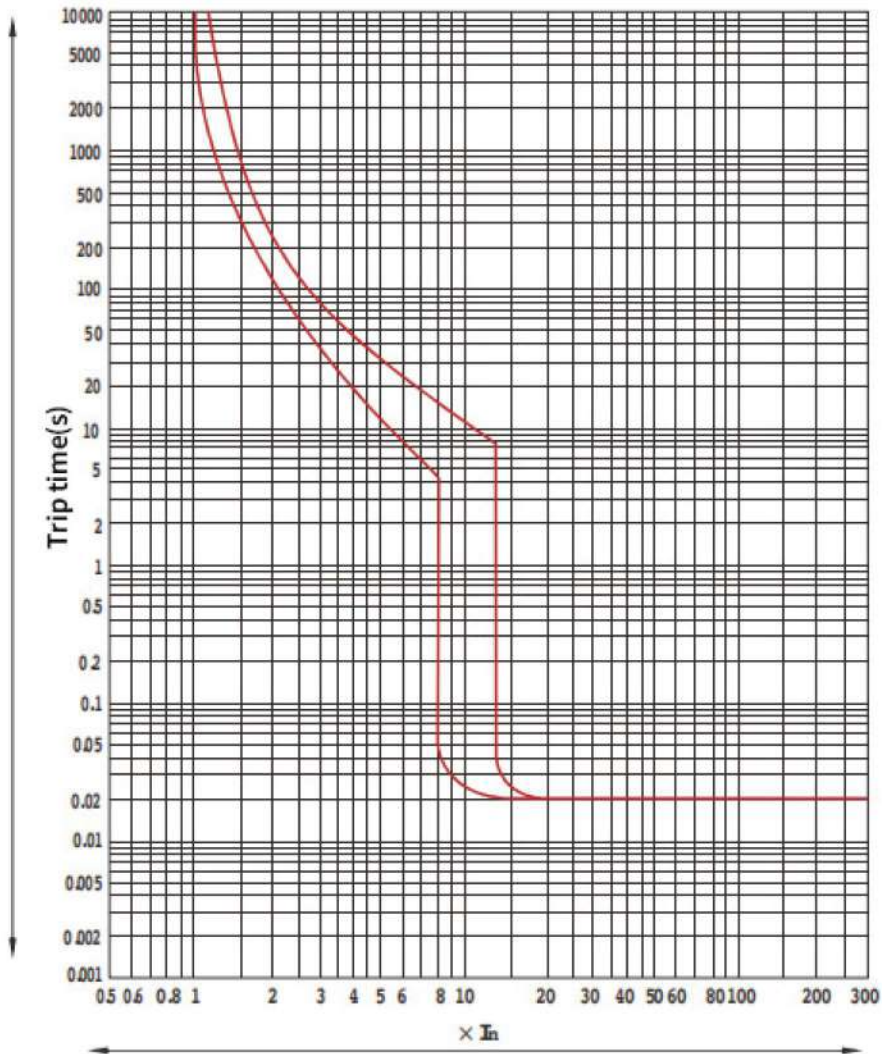
SGM6-400 Time current characteristic curve



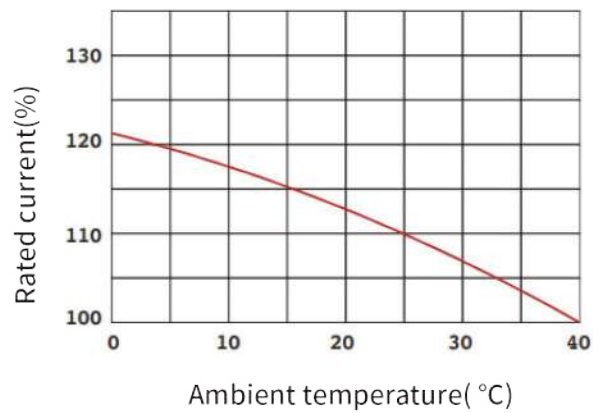
Current-temperature characteristics



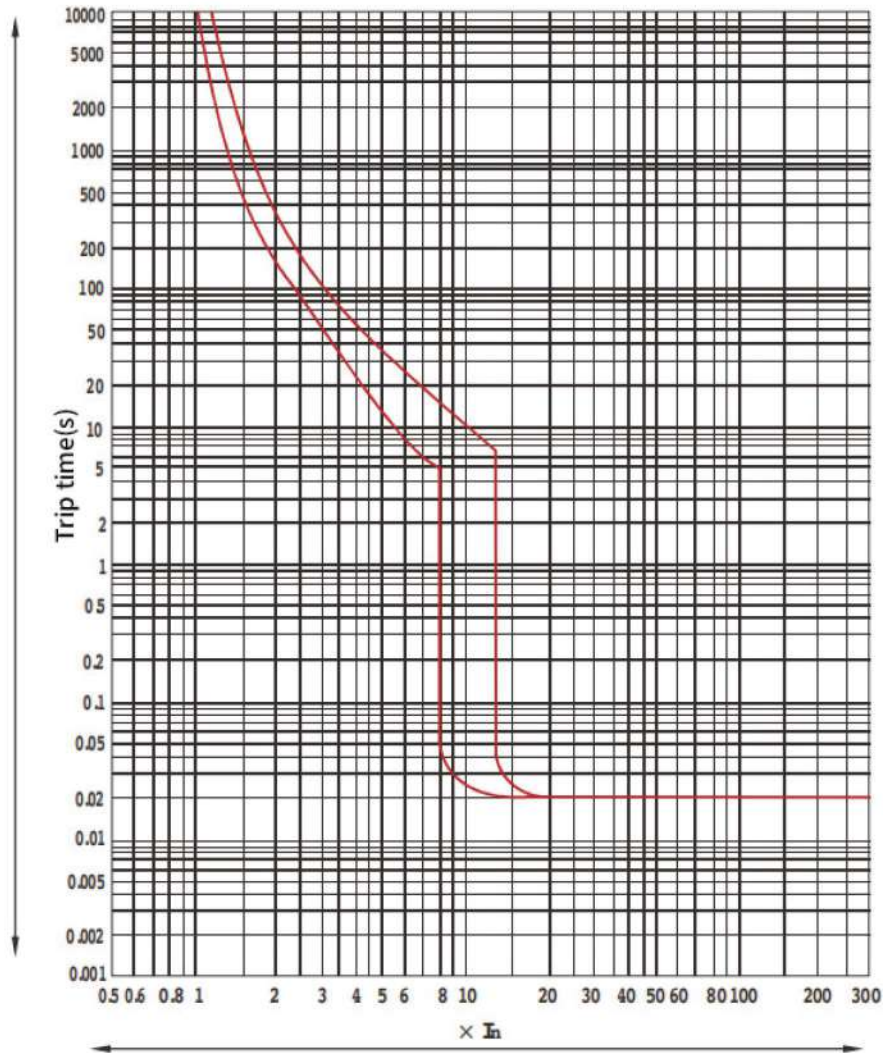
SGM6-630 Time current characteristic curve



Current-temperature characteristics



SGM6-800 Time current characteristic curve



Current-temperature characteristics

