Assembled Molded Case Circuit Breakers — 1200 A, N-Frame

Table 55 - Interrupting Rating/Breaking Capacity — Electronic Circuit Breakers

Interrupting Rating (50/60 Hz), UL 489/ CSA 22.2, No. 5 [kA]			Breaking Capacity (50/60 Hz), IEC 60947-2										Interrupting Code(1)
			220V		415V		440V		500V		690V		
240V	480V	600V	I_{cu} [kA]	I_{cs} [kA]	I_{cu} [kA]	I_{cs} [kA]	I_{cu} [kA]	I_{cs} [kA]	I_{cu} [kA]	I_{cs} [kA]	I_{cu} [kA]	I_{cs} [kA]	
65	50	25	85	85	50	50	50	50	40	40	30	30	N5
100	65	50	100	100	70	70	65	65	50	50	42	32	N6
150	100	65	200	200	120	120	100	100	85	64	50	38	N0

(1) See Table 56 through Table 61 for Cat. No. selection

Table 56 - Electronic LSI (Long, Short, Instantaneous) - 80% Rated(1)

Rated Current I_n [A]	Protection Type(2)					Interrupting Code N5		Interrupting Code N6	
	L		S		I	Cat. No.		Cat. No.	
	I_1=0.4… 1 x I_n	t_1=[$t_{sec.}$] @ 6 x I_1	I_2=0.6… 10 x I_n	t_2=[$t_{sec.}$] @ 10 x I_n	I_3=1.5… 12 x I_n	3 Poles	4 Poles	3 Poles	4 Poles
1200	480…1200	3,6,12,18	OFF, 720...12000	0.1, 0.25, 0.5, 0.8	OFF, 1800...14400	140G-N5H3-E12	140G-N5H4-E12	140G-N6H3-E12	140G-N6H4-E12

(1) For more information about 80% and 100% ratings, please see page 13.
(2) Listed I_1, I_2, I_3, and I_4 values are based on a 1200 A rating plug value.

Rated Current I_n [A]	Protection Type(1)					Interrupting Code N0	
	L		S		I	Cat. No.	
	I_1=0.4…1 x I_n	t_1=[$t_{sec.}$] @ 6 x I_1	I_2=0.6… 10 x I_n	t_2=[$t_{sec.}$] @ 10 x I_n	I_3=1.5…12 x I_n	3 Poles	4 Poles
1200	480…1200	3,6,12,18	OFF, 720...12000	0.1, 0.25, 0.5, 0.8	OFF, 1800...14400	140G-N0H3-E12	140G-N0H4-E12

(1) Listed I_1, I_2, I_3, and I_4 values are based on a 1200 A rating plug value.

Table 57 - Electronic LSIG (Long, Short, Instantaneous, Ground Fault) - 80% Rated(1)

Rated Current I_n [A]	Protection Type(2)							Interrupting Code N5		Interrupting Code N6	
	L		S		I	G		Cat. No.		Cat. No.	
	I_1=0.4… 1 x I_n	t_1=[$t_{sec.}$] @ 3 x I_1	I_2=0.6… 10 x I_n	t_2=[$t_{sec.}$] @ 10 x I_n	I_3=1.5… 15 x I_n	I_4=0.2… 1 x I_n	t_4=sec.	3 Poles	4 Poles	3 Poles	4 Poles
1200	480…1200	3, 12, 24, 36, 48, 72, 108, 144	OFF, 720...12000	0.1, 0.25, 0.5, 0.8	OFF, 1800...18000	OFF, 240…1200	0.1, 0.2, 0.4, 0.8	140G-N5I3-E12	140G-N5I4-E12	140G-N6I3-E12	140G-N6I4-E12

(1) For more information about 80% and 100% ratings, please see page 13.
(2) Listed I_1, I_2, I_3, and I_4 values are based on a 1200 A rating plug value.

Rated Current I_n [A]	Protection Type(1)							Interrupting Code N0	
	L		S		I	G		Cat. No.	
	I_1=0.4… 1 x I_n	t_1=[$t_{sec.}$] @ 3 x I_1	I_2=0.6… 10 x I_n	t_2=[$t_{sec.}$] @ 10 x I_n	I_3=1.5… 15 x I_n	I_4=0.2… 1 x I_n	t_4=sec.	3 Poles	4 Poles
1200	480… 1200	3, 12, 24, 36, 48, 72, 108, 144	OFF, 720...12000	0.1, 0.25, 0.5, 0.8	OFF, 1800…18000	OFF, 240…1200	0.1, 0.2, 0.4,0.8	140G-N0I3-E12	140G-N0I4-E12

(1) Listed I_1, I_2, I_3, and I_4 values are based on a 1200 A rating plug value.

Table 58 - Electronic LSIG-MM (Long, Short, Instantaneous, Ground Fault - Maintenance Mode) - 80% Rated(1) (2)

Rated Current I_n [A]	Protection Type(3)							Interrupting Code N5		Interrupting Code N6	
	L		S		I	G		Cat. No.		Cat. No.	
	I_1=0.4… 1 x I_n	t_1=[$t_{sec.}$] @ 3 x I_1	I_2=0.6… 10 x I_n	t_2=[$t_{sec.}$] @ 10 x I_n	I_3=1.5… 15 x I_n	I_4=0.2… 1 x I_n	t_4=sec.	3 Poles	4 Poles	3 Poles	4 Poles
1200	480…1200	3, 12, 24, 36, 48, 72, 108, 144	OFF, 720...12000	0.1, 0.25, 0.5, 0.8	OFF, 1800...18000	OFF, 240…1200	0.1, 0.2, 0.4, 0.8	140G-N5K3-E12	140G-N5K4-E12	140G-N6K3-E12	140G-N6K4-E12

(1) See page 48 for maintenance mode adjustment.
(2) For more information about 80% and 100% ratings, please see page 13.
(3) Listed I_1, I_2, I_3, and I_4 values are based on a 1200 A rating plug value.

Rated Current I_n [A](1)	Protection Type(2)							Interrupting Code N0	
	L		S		I	G		Cat. No.	
	I_1=0.4… 1 x I_n	t_1=[$t_{sec.}$] @ 3 x I_1	I_2=0.6… 10 x I_n	t_2=[$t_{sec.}$] @ 10 x I_n	I_3=1.5… 15 x I_n	I_4=0.2…1 x I_n	t_4=sec.	3 Poles	4 Poles
1200	480…1200	3, 12, 24, 36, 48, 72, 108, 144	OFF, 720...12000	0.1, 0.25, 0.5, 0.8	OFF, 1800…18000	OFF, 240…1200	0.1, 0.2, 0.4, 0.8	140G-N0K3-E12	140G-N0K4-E12

(1) See page 48 for maintenance mode adjustment
(2) Listed I_1, I_2, I_3, and I_4 values are based on a 1200 A Rating plug value.

Table 59 - Electronic LSI (Long, Short, Instantaneous) - 100% Rated(1)

Rated Current I_n [A]	Protection Type(2)					Interrupting Code N5		Interrupting Code N6	
	L		S		I	Cat. No.		Cat. No.	
	I_1=0.4…1 x I_n	t_1=[$t_{sec.}$] @ 6 x I_1	I_2=0.6… 10 x I_n	t_2=[$t_{sec.}$] @ 10 x I_n	I_3=1.5…12 x I_n	3 Poles	4 Poles	3 Poles	4 Poles
1200	480…1200	3, 6, 12, 18	OFF, 720…12000	0.1, 0.25, 0.5, 0.8	OFF, 1800… 14400	140G-N5H3-E12-Z1	140G-N5H4-E12-Z1	140G-N6H3-E12-Z1	140G-N6H4-E12-Z1

(1) For more information about 80% and 100% ratings, please see page 13.
(2) Listed I_1, I_2, I_3, and I_4 values are based on a 1200 A Rating plug value.

Rated Current I_n [A]	Protection Type(1)					Interrupting Code N0	
	L		S		I	Cat. No.	
	I_1=0.4…1 x I_n	t_1=[$t_{sec.}$] @ 6 x I_1	I_2=0.6… 10 x I_n	t_2=[$t_{sec.}$] @ 10 x I_n	I_3=1.5…12 x I_n	3 Poles	4 Poles
1200	480…1200	3, 6, 12, 18	OFF, 720…12000	0.1, 0.25, 0.5, 0.8	OFF, 1800… 14400	140G-N0H3-E12-Z1	140G-N0H4-E12-Z1

(1) Listed I_1, I_2, I_3, and I_4 values are based on a 1200 A Rating plug value.

Table 60 - Electronic LSIG (Long, Short, Instantaneous, Ground Fault) - 100% Rated(1)

Rated Current I_n [A]	Protection Type(2)							Interrupting Code N5		Interrupting Code N6	
	L		S		I	G		Cat. No.		Cat. No.	
	I_1=0.4… 1 x I_n	t_1=[$t_{sec.}$] @ 3 x I_1	I_2=1… 10 x I_n	t_2=[$t_{sec.}$] @ 10 x I_n	I_3=1.5… 15 x I_n	I_4=0.2… 1 x I_n	t_4=sec.	3 Poles	4 Poles	3 Poles	4 Poles
1200	480…1200	3, 12, 24, 36, 48, 72,108, 144	OFF,720… 12000	0.1, 0.25, 0.5, 0.8	OFF, 1800… 18000	OFF, 240…1200	0.1, 0.2, 0.4, 0.8	140G-N5I3-E12-Z1	140G-N5I4-E12-Z1	140G-N6I3-E12-Z1	140G-N6I4-E12-Z1

(1) For more information about 80% and 100% ratings, please see page 13.
(2) Listed I_1, I_2, I_3, and I_4 values are based on a 1200 A Rating plug value.