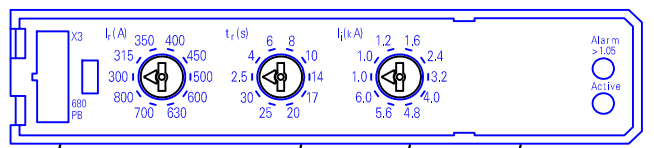


Time Current Characteristics Curve
SIEMENS MG Frame Circuit Breaker
 Electronic Trip Unit 555 3-Pole
 with LI and LIG Protection
Example Settings are for $I_n = 800$ Amps
Interruption Ratings

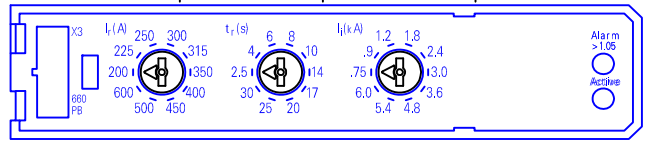
Type	Maximum Trip Unit Rating (I_n)	Symmetrical RMS Amperes		
		240V	480V	600V
NMG	600 A, 800 A	65kA	35kA	25kA
HMG		100kA	65kA	35kA
LMG		200kA	100kA	50kA

The effects of Thermal Memory are not shown. 806996 A01



$I_n = 800$ Amps I_r (AMPS) = I_r (Multi) \times I_n

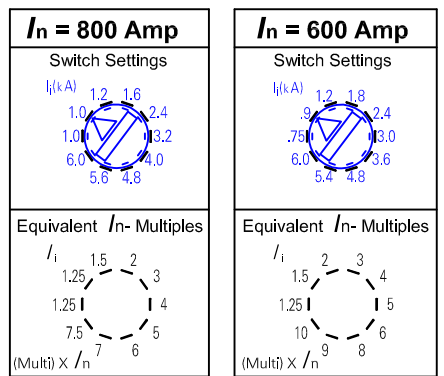
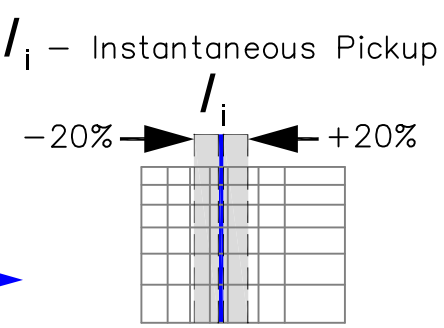
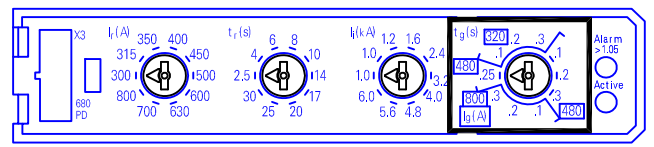
300 A = .375 \times I_n	400 A = .500 \times I_n	600 A = .750 \times I_n	800 A = 1.0 \times I_n
315 A = .394 \times I_n	450 A = .562 \times I_n	630 A = .785 \times I_n	
350 A = .438 \times I_n	500 A = .625 \times I_n	700 A = .875 \times I_n	



$I_n = 600$ Amps I_r (AMPS) = I_r (Multi) \times I_n

200 A = .333 \times I_n	300 A = .500 \times I_n	400 A = .667 \times I_n	600 A = 1.0 \times I_n
225 A = .375 \times I_n	315 A = .525 \times I_n	450 A = .750 \times I_n	
250 A = .417 \times I_n	350 A = .583 \times I_n	500 A = .833 \times I_n	

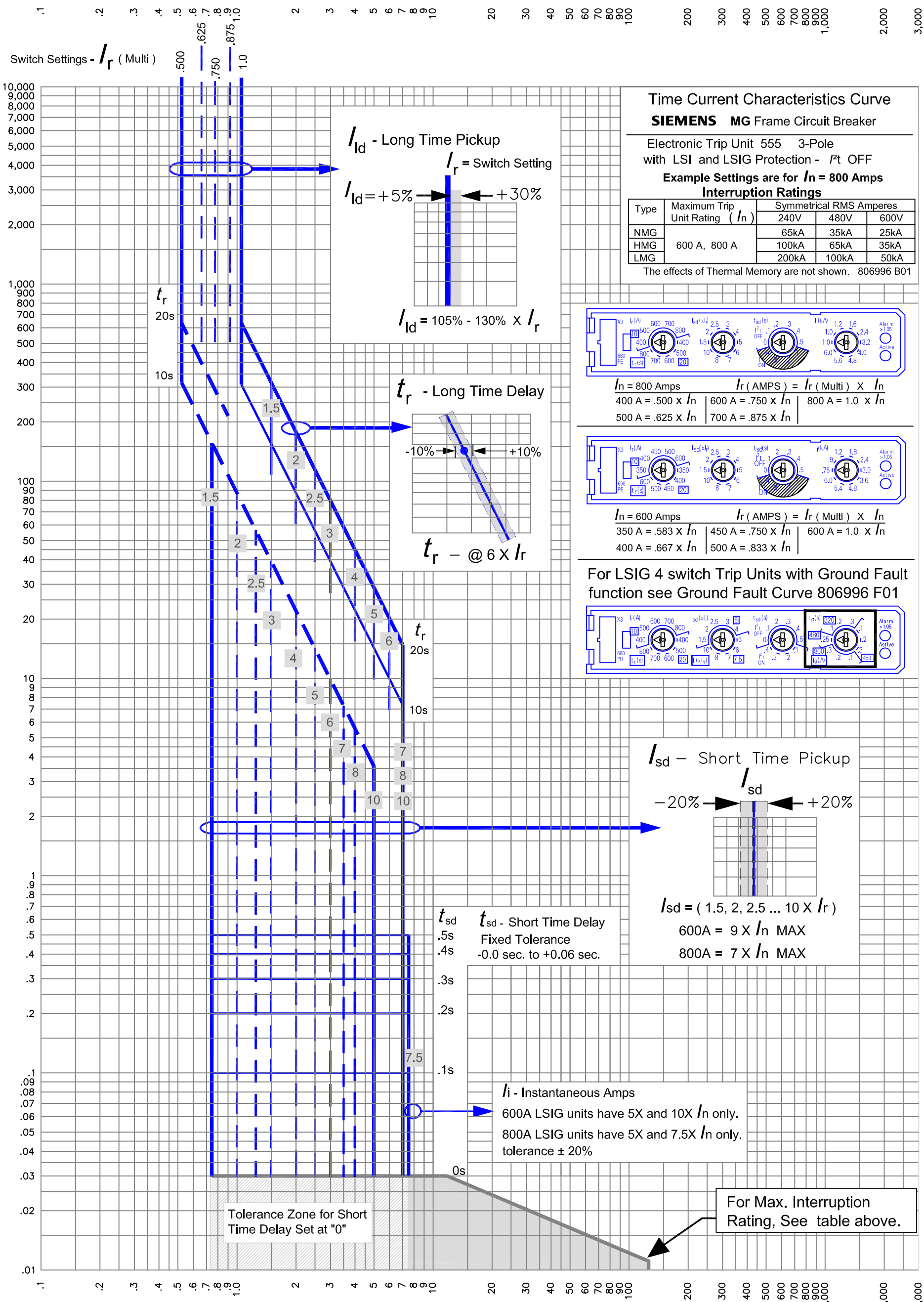
For LIG 4 switch Trip Units with Ground Fault function see Ground Fault Curve 806996 F01



For Max. Interruption Rating, See table above.

t [s]

Time in Seconds



Time Current Characteristics Curve
SIEMENS MG Frame Circuit Breaker

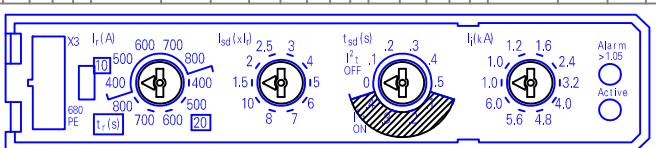
Electronic Trip Unit 555 3-Pole
 with LSI and LSIG Protection - P_t OFF

Example Settings are for $I_n = 800$ Amps

Interruption Ratings

Type	Maximum Trip Unit Rating (I_n)	Symmetrical RMS Amperes		
		240V	480V	600V
NMG		65kA	35kA	25kA
HMG	600 A, 800 A	100kA	65kA	35kA
LMG		200kA	100kA	50kA

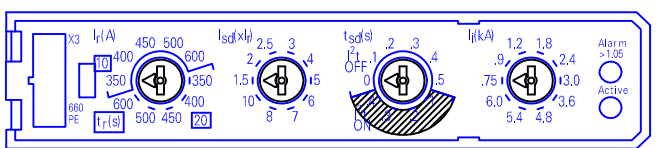
The effects of Thermal Memory are not shown. 806996 B01



$I_n = 800$ Amps

I_r (AMPS) = I_r (Multi) $\times I_n$

400 A = .500 $\times I_n$ | 600 A = .750 $\times I_n$ | 800 A = 1.0 $\times I_n$
 500 A = .625 $\times I_n$ | 700 A = .875 $\times I_n$

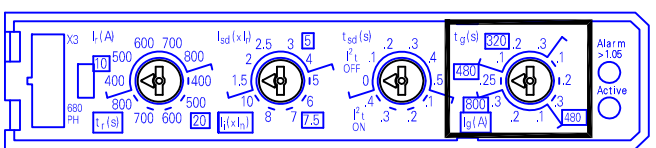


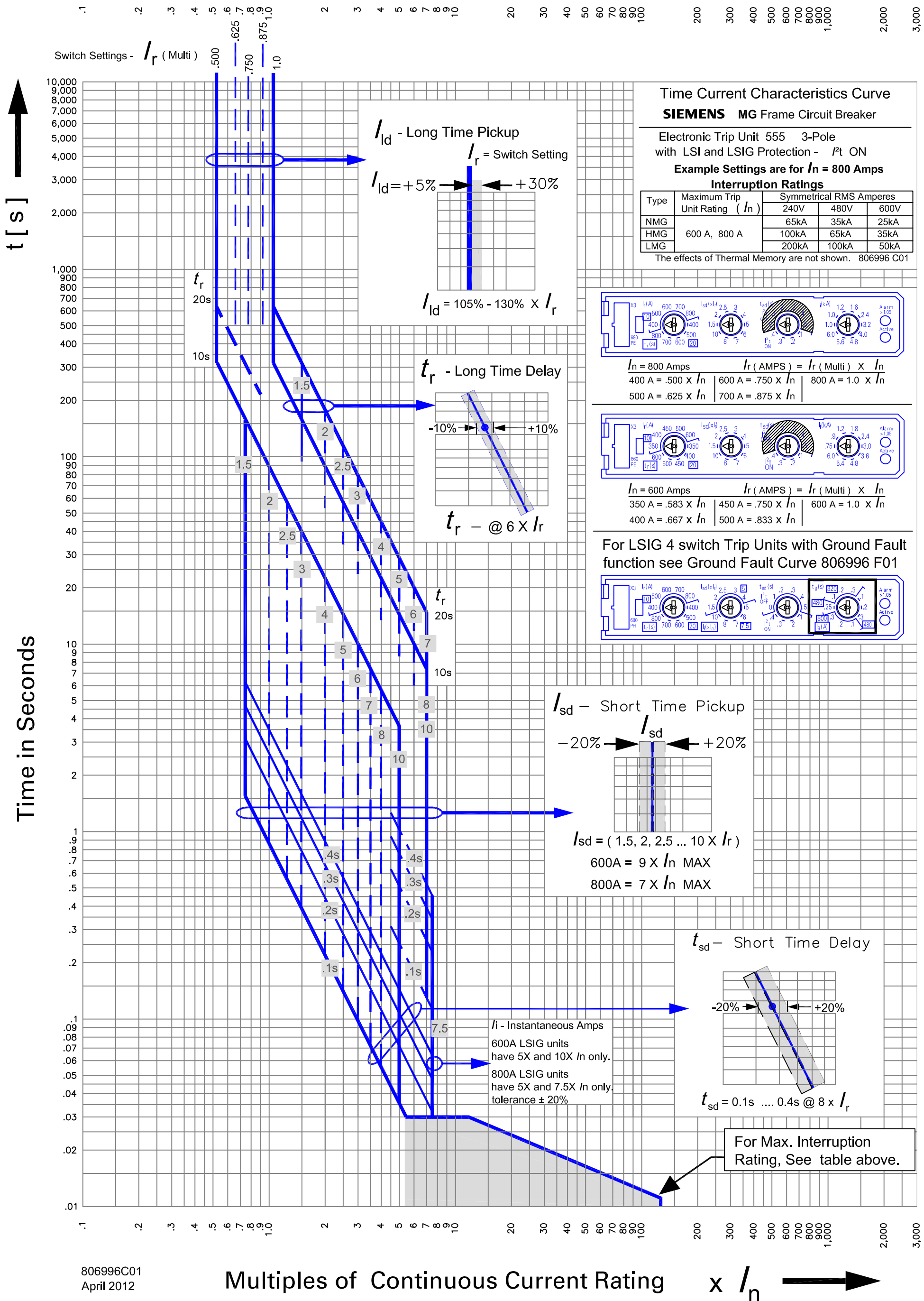
$I_n = 600$ Amps

I_r (AMPS) = I_r (Multi) $\times I_n$

350 A = .583 $\times I_n$ | 450 A = .750 $\times I_n$ | 600 A = 1.0 $\times I_n$
 400 A = .667 $\times I_n$ | 500 A = .833 $\times I_n$

For LSIG 4 switch Trip Units with Ground Fault function see Ground Fault Curve 806996 F01

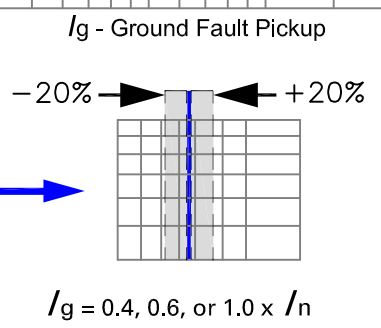
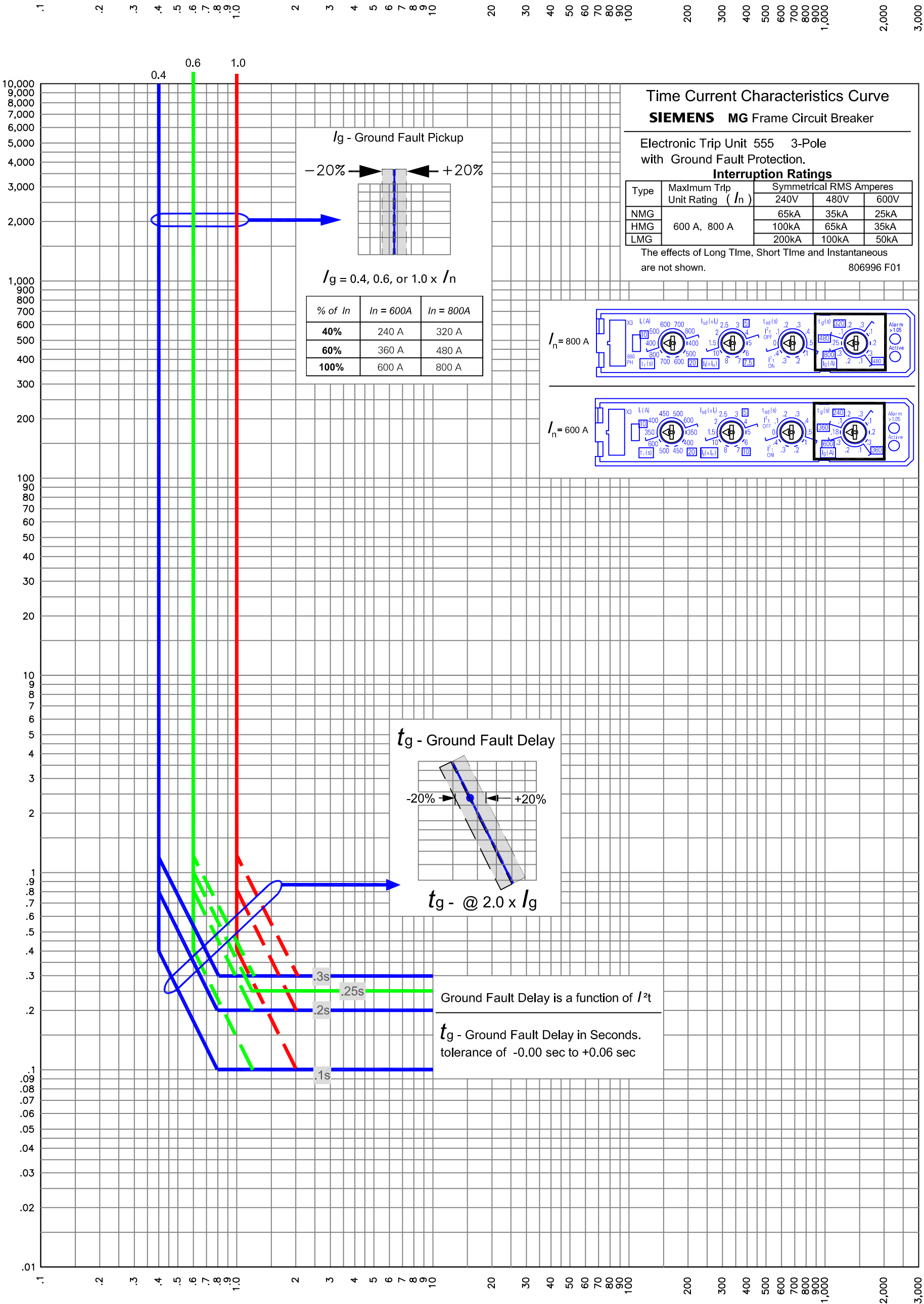




806996C01
 April 2012

t [s]

Time in Seconds



% of I_n	$I_n = 600A$	$I_n = 800A$
40%	240 A	320 A
60%	360 A	480 A
100%	600 A	800 A

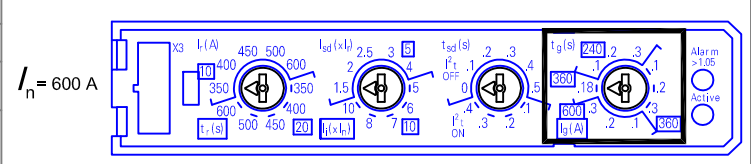
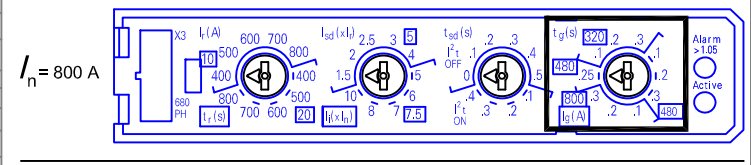
Time Current Characteristics Curve
SIEMENS MG Frame Circuit Breaker

Electronic Trip Unit 555 3-Pole
with Ground Fault Protection.

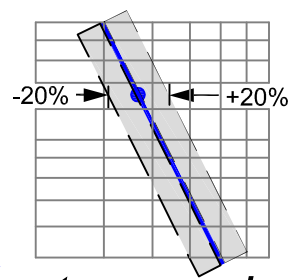
Interruption Ratings

Type	Maximum Trip Unit Rating (I_n)	Symmetrical RMS Amperes		
		240V	480V	600V
NMG	600 A, 800 A	65kA	35kA	25kA
HMG		100kA	65kA	35kA
LMG		200kA	100kA	50kA

The effects of Long Time, Short Time and Instantaneous are not shown. 806996 F01



t_g - Ground Fault Delay



Ground Fault Delay is a function of I^2t

t_g - Ground Fault Delay in Seconds.
tolerance of -0.00 sec to +0.06 sec