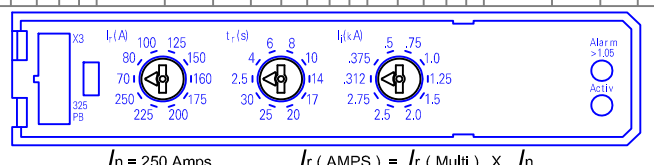


**Time Current Characteristics Curve**  
**SIEMENS FG Frame Circuit Breaker**  
 Electronic Trip Unit 555 3-Pole  
 with LI and LIG Protection  
**Example Settings are for  $I_n = 250$  Amps**

**Interruption Ratings**

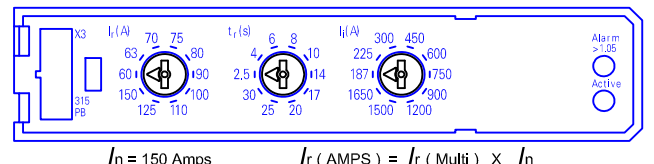
Type	Maximum Trip Unit Rating ( $I_n$ )	Symmetrical RMS Amperes		
		240V	480V	600V
NFGA		65kA	35kA	18kA
HFGA	100 A, 150 A	100kA	65kA	20kA
LFGA	250 A	200kA	100kA	25kA

The effects of Thermal Memory are not shown. 806993 A01



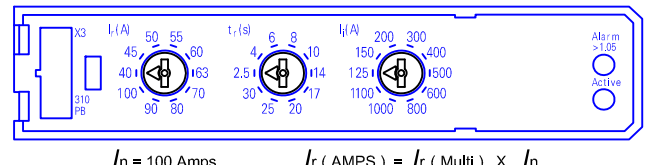
**$I_n = 250$  Amps**      $I_r$  (AMPS) =  $I_r$  (Multi)  $\times$   $I_n$

70 A = .280 $\times$ $I_n$	125 A = .500 $\times$ $I_n$	175 A = .700 $\times$ $I_n$	250 A = 1.0 $\times$ $I_n$
80 A = .320 $\times$ $I_n$	150 A = .600 $\times$ $I_n$	200 A = .800 $\times$ $I_n$	
100 A = .400 $\times$ $I_n$	160 A = .640 $\times$ $I_n$	225 A = .900 $\times$ $I_n$	



**$I_n = 150$  Amps**      $I_r$  (AMPS) =  $I_r$  (Multi)  $\times$   $I_n$

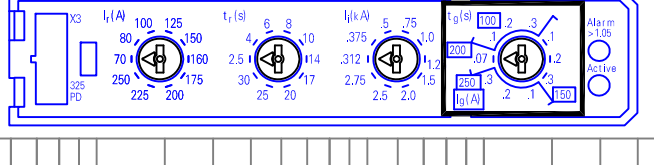
60 A = .400 $\times$ $I_n$	75 A = .500 $\times$ $I_n$	100 A = .677 $\times$ $I_n$	150 A = 1.0 $\times$ $I_n$
63 A = .420 $\times$ $I_n$	80 A = .533 $\times$ $I_n$	110 A = .733 $\times$ $I_n$	
70 A = .467 $\times$ $I_n$	90 A = .600 $\times$ $I_n$	125 A = .833 $\times$ $I_n$	



**$I_n = 100$  Amps**      $I_r$  (AMPS) =  $I_r$  (Multi)  $\times$   $I_n$

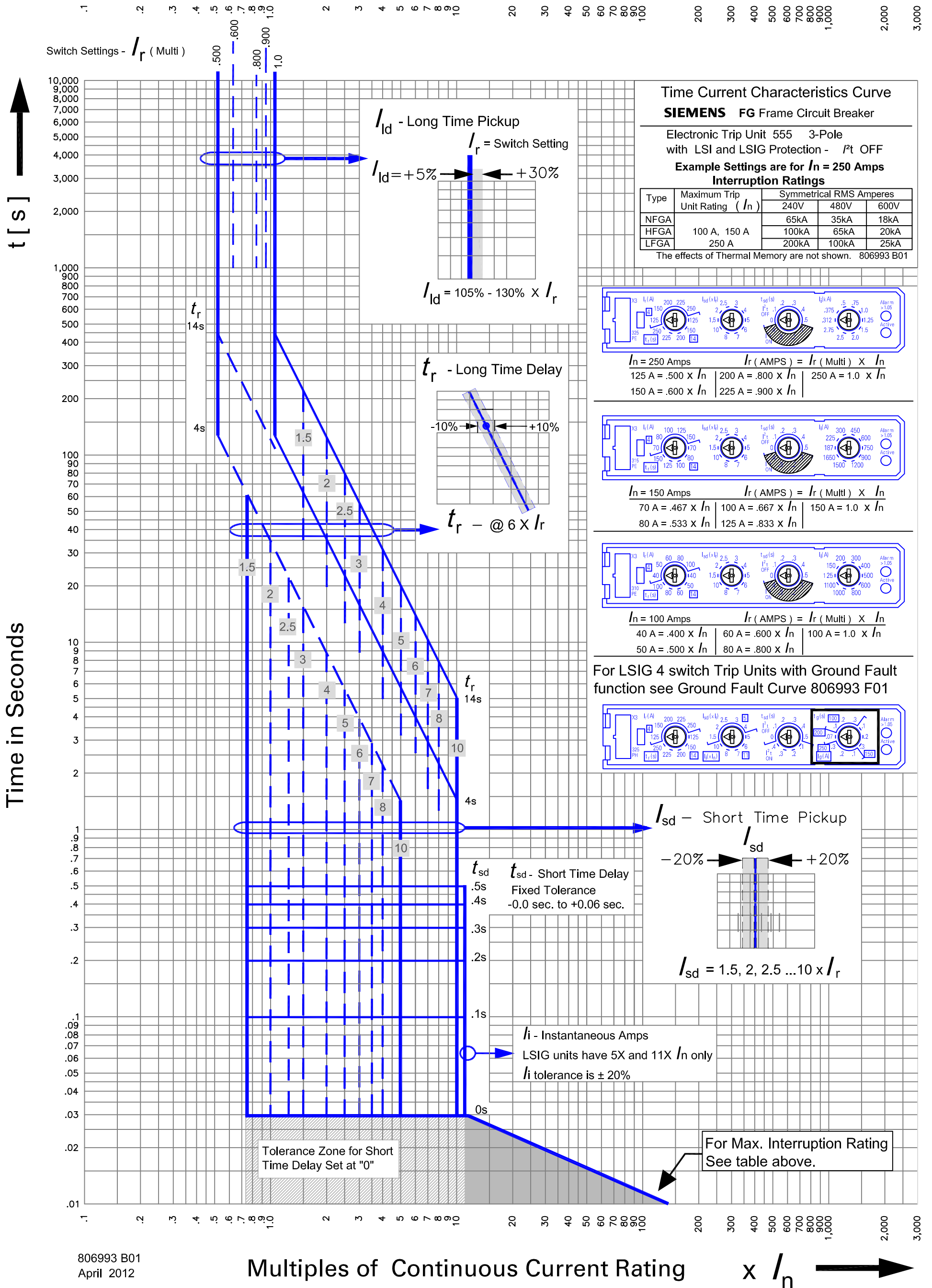
40 A = .400 $\times$ $I_n$	55 A = .550 $\times$ $I_n$	70 A = .700 $\times$ $I_n$	100 A = 1.0 $\times$ $I_n$
45 A = .450 $\times$ $I_n$	60 A = .600 $\times$ $I_n$	80 A = .800 $\times$ $I_n$	
50 A = .500 $\times$ $I_n$	63 A = .630 $\times$ $I_n$	90 A = .900 $\times$ $I_n$	

For LIG 4 switch Trip Units with Ground Fault function see Ground Fault Curve 806993 F01



$I_n = 250$ Amp	$I_n = 150$ Amp	$I_n = 100$ Amp
Switch Settings $I_i$ (kA) 0.375, 0.5, 0.75, 1.0, 1.25, 1.5, 2.75, 2.5, 2.0	Switch Settings $I_i$ (A) 225, 300, 450, 600, 750, 187, 1650, 1500, 1200	Switch Settings $I_i$ (A) 150, 200, 300, 400, 125, 1500, 1100, 1000, 800
Equivalent $I_n$ -Multiples $I_i$ 1.5, 2, 3, 4, 1.25, 11, 10, 8	Equivalent $I_n$ -Multiples $I_i$ 1.5, 2, 3, 4, 1.25, 11, 10, 8	Equivalent $I_n$ -Multiples $I_i$ 1.5, 2, 3, 4, 1.25, 11, 10, 8

For Max. Interruption Rating, See table above.

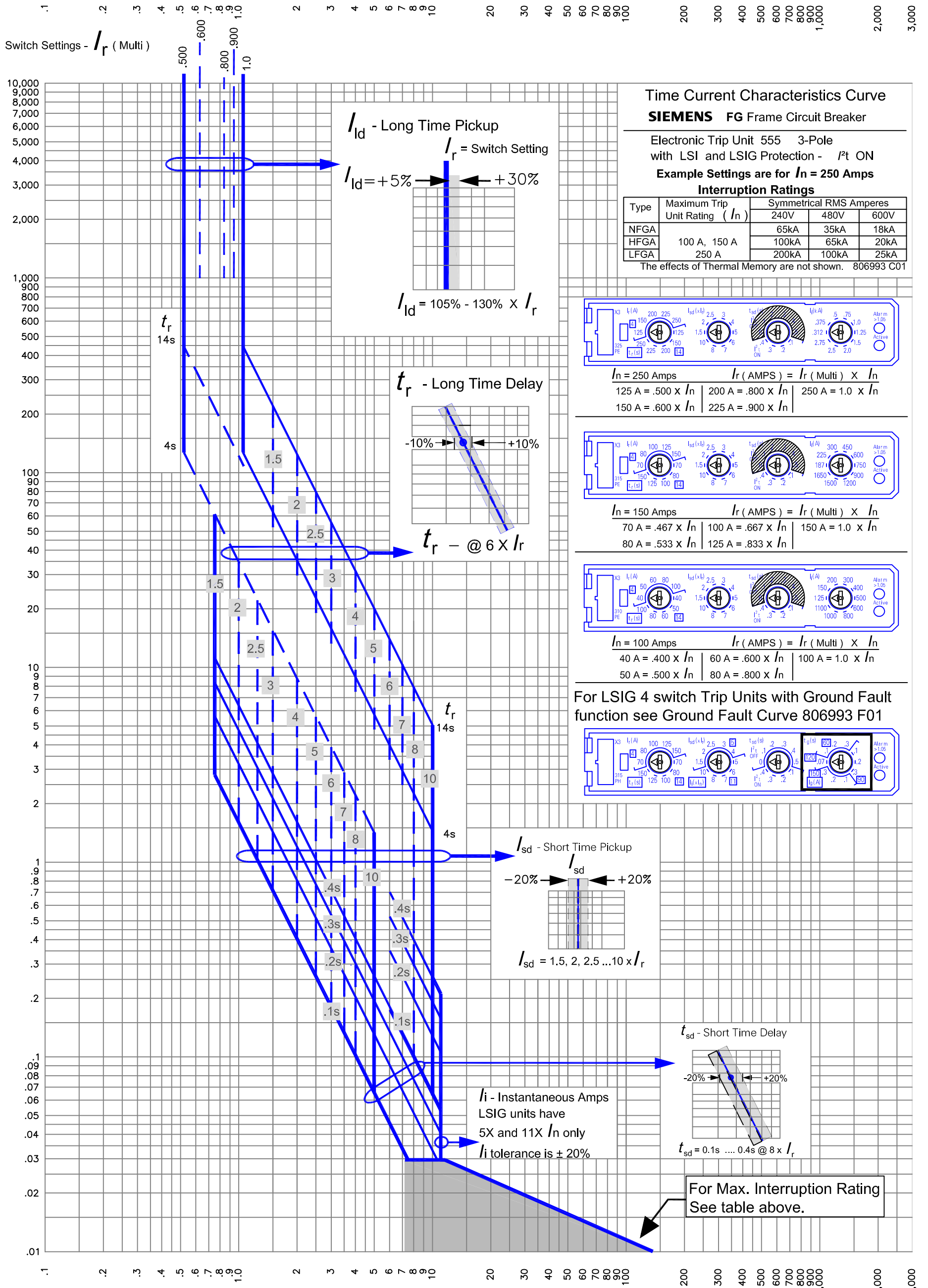


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Multiples of Continuous Current Rating  $\times I_n$

t [s]

Time in Seconds



**Time Current Characteristics Curve**

**SIEMENS FG Frame Circuit Breaker**

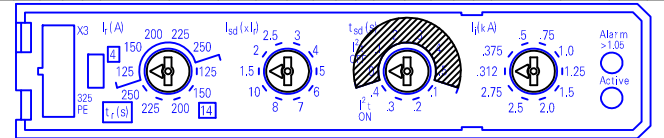
Electronic Trip Unit 555 3-Pole  
 with LSI and LSIG Protection -  $I_{ft}$  ON

Example Settings are for  $I_n = 250$  Amps

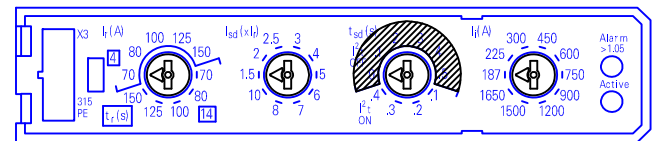
**Interruption Ratings**

Type	Maximum Trip Unit Rating ( $I_n$ )	Symmetrical RMS Amperes		
		240V	480V	600V
NFGA	100 A, 150 A	65kA	35kA	18kA
HFGA		100kA	65kA	20kA
LFGA	250 A	200kA	100kA	25kA

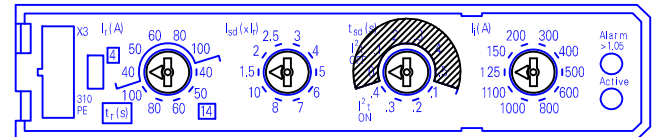
The effects of Thermal Memory are not shown. 806993 C01



$I_n = 250$  Amps       $I_r$  (AMPS) =  $I_r$  (Multi)  $\times I_n$   
 125 A =  $.500 \times I_n$     200 A =  $.800 \times I_n$     250 A =  $1.0 \times I_n$   
 150 A =  $.600 \times I_n$     225 A =  $.900 \times I_n$

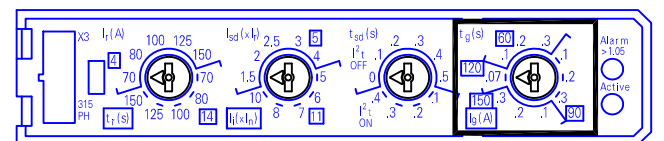


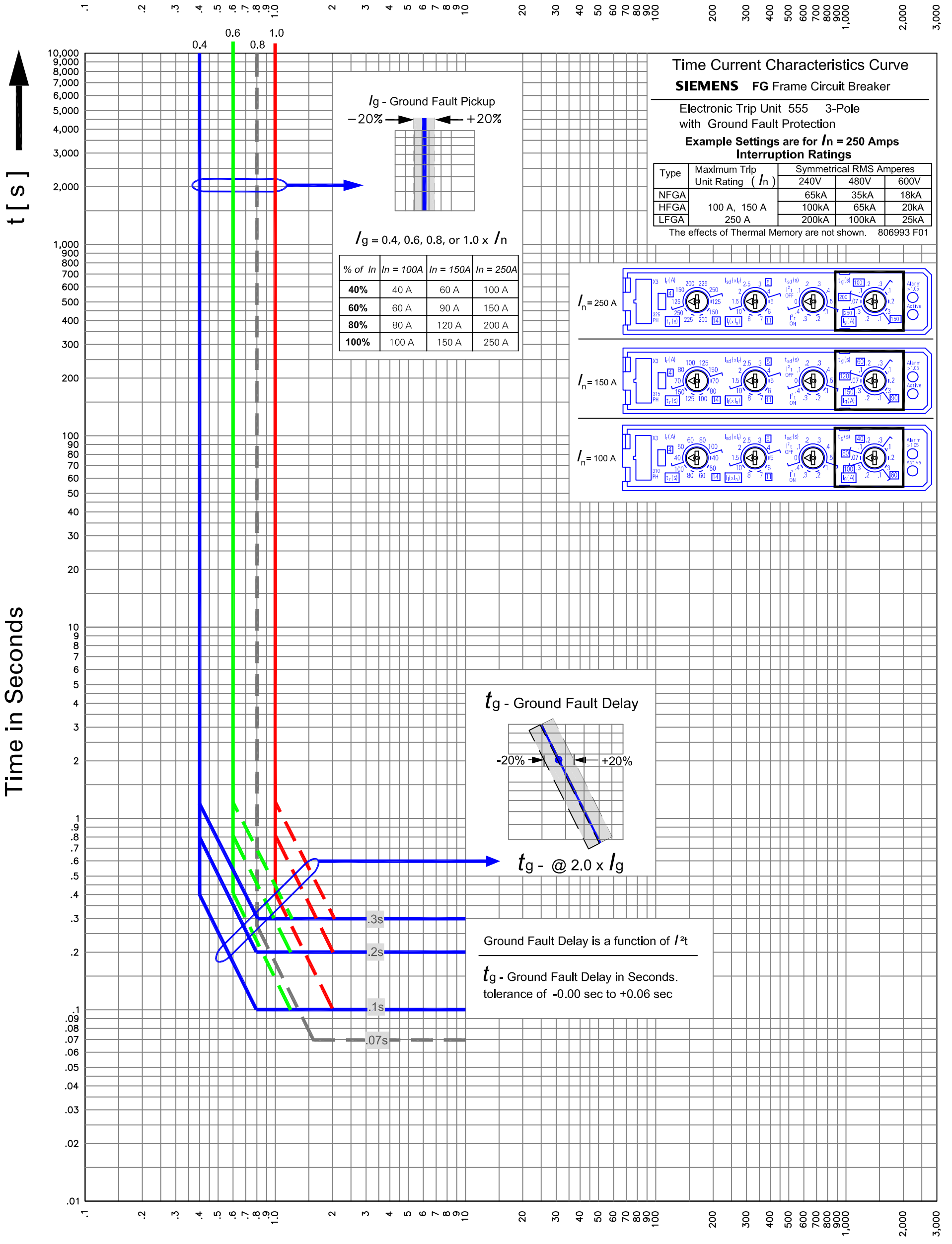
$I_n = 150$  Amps       $I_r$  (AMPS) =  $I_r$  (Multi)  $\times I_n$   
 70 A =  $.467 \times I_n$     100 A =  $.667 \times I_n$     150 A =  $1.0 \times I_n$   
 80 A =  $.533 \times I_n$     125 A =  $.833 \times I_n$



$I_n = 100$  Amps       $I_r$  (AMPS) =  $I_r$  (Multi)  $\times I_n$   
 40 A =  $.40 \times I_n$     60 A =  $.60 \times I_n$     100 A =  $1.0 \times I_n$   
 50 A =  $.50 \times I_n$     80 A =  $.80 \times I_n$

For LSIG 4 switch Trip Units with Ground Fault function see Ground Fault Curve 806993 F01





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 April 2012

Multiples of Continuous Current Rating  $\times I_n$