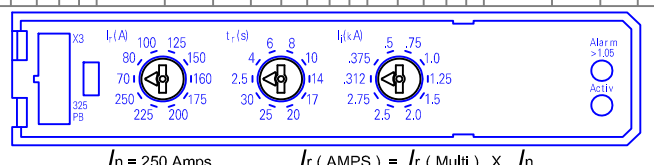


Time Current Characteristics Curve
SIEMENS FG Frame Circuit Breaker
 Electronic Trip Unit 555 3-Pole
 with LI and LIG Protection
Example Settings are for In = 250 Amps

Interruption Ratings

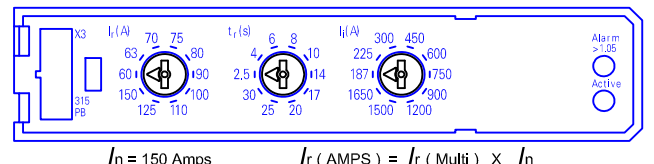
Type	Maximum Trip Unit Rating (In)	Symmetrical RMS Amperes		
		240V	480V	600V
NFGA		65kA	35kA	18kA
HFGA	100 A, 150 A	100kA	65kA	20kA
LFGA	250 A	200kA	100kA	25kA

The effects of Thermal Memory are not shown. 806993 A01



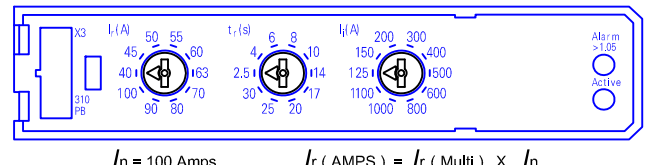
In = 250 Amps $I_r (AMPS) = I_r (Multi) \times I_n$

70 A = .280 x In	125 A = .500 x In	175 A = .700 x In	250 A = 1.0 x In
80 A = .320 x In	150 A = .600 x In	200 A = .800 x In	
100 A = .400 x In	160 A = .640 x In	225 A = .900 x In	



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

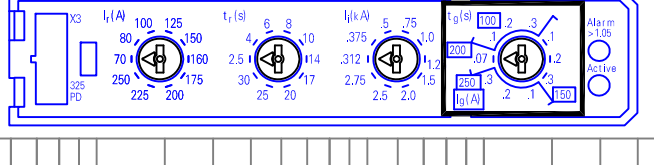
60 A = .400 x In	75 A = .500 x In	100 A = .677 x In	150 A = 1.0 x In
63 A = .420 x In	80 A = .533 x In	110 A = .733 x In	
70 A = .467 x In	90 A = .600 x In	125 A = .833 x In	



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

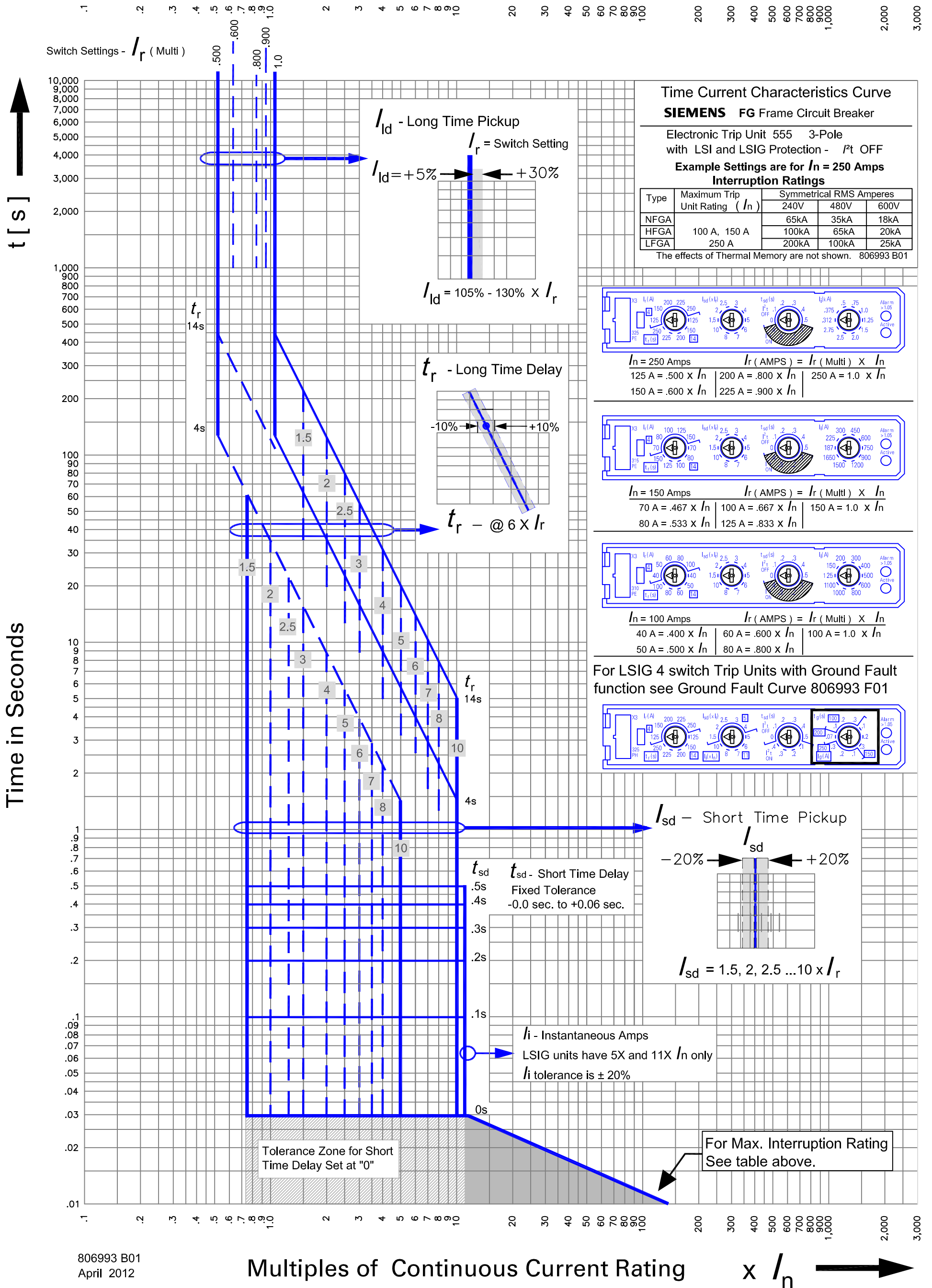
40 A = .400 x In	55 A = .550 x In	70 A = .700 x In	100 A = 1.0 x In
45 A = .450 x In	60 A = .600 x In	80 A = .800 x In	
50 A = .500 x In	63 A = .630 x In	90 A = .900 x In	

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



In = 250 Amp	In = 150 Amp	In = 100 Amp
Switch Settings Ii (kA) 5 .75 1.0 .375 .312 2.75 2.5 2.0	Switch Settings Ii (A) 300 450 600 225 187 1650 1500 1200	Switch Settings Ii (A) 200 300 400 150 125 1100 1000 800
Equivalent In-Multiples Ii 1.5 2 3 4 1.25 11 10 8	Equivalent In-Multiples Ii 1.5 2 3 4 1.25 11 10 8	Equivalent In-Multiples Ii 1.5 2 3 4 1.25 11 10 8

For Max. Interruption Rating, See table above.

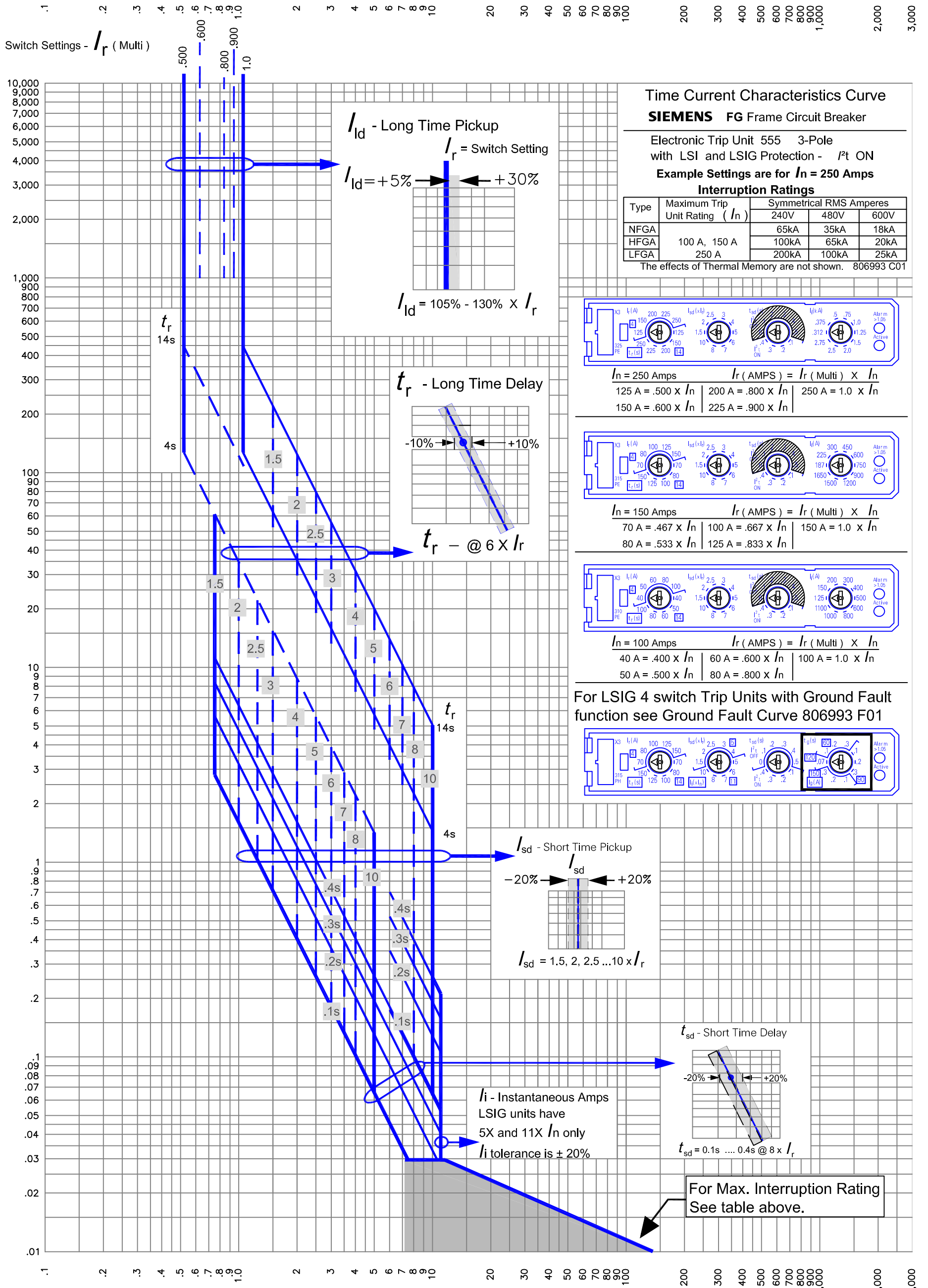


806993 B01
 April 2012

Multiples of Continuous Current Rating $\times I_n$

t [s]

Time in Seconds



Time Current Characteristics Curve

SIEMENS FG Frame Circuit Breaker

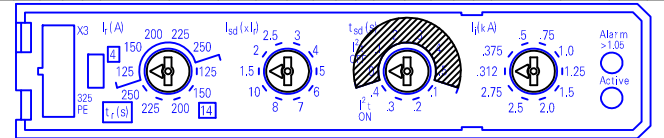
Electronic Trip Unit 555 3-Pole
 with LSI and LSIG Protection - I_{ft} ON

Example Settings are for $I_n = 250$ Amps

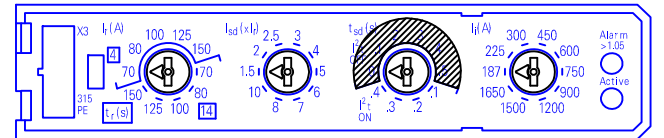
Interruption Ratings

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

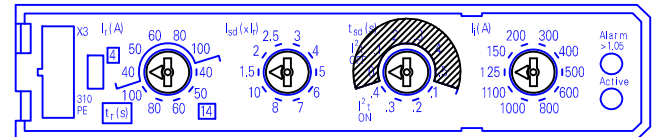
The effects of Thermal Memory are not shown. 806993 C01



$I_n = 250$ 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 = $.900 \times I_n$

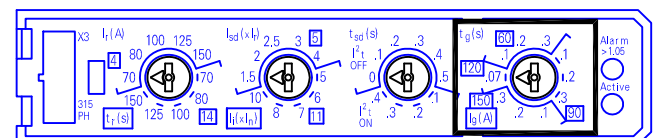


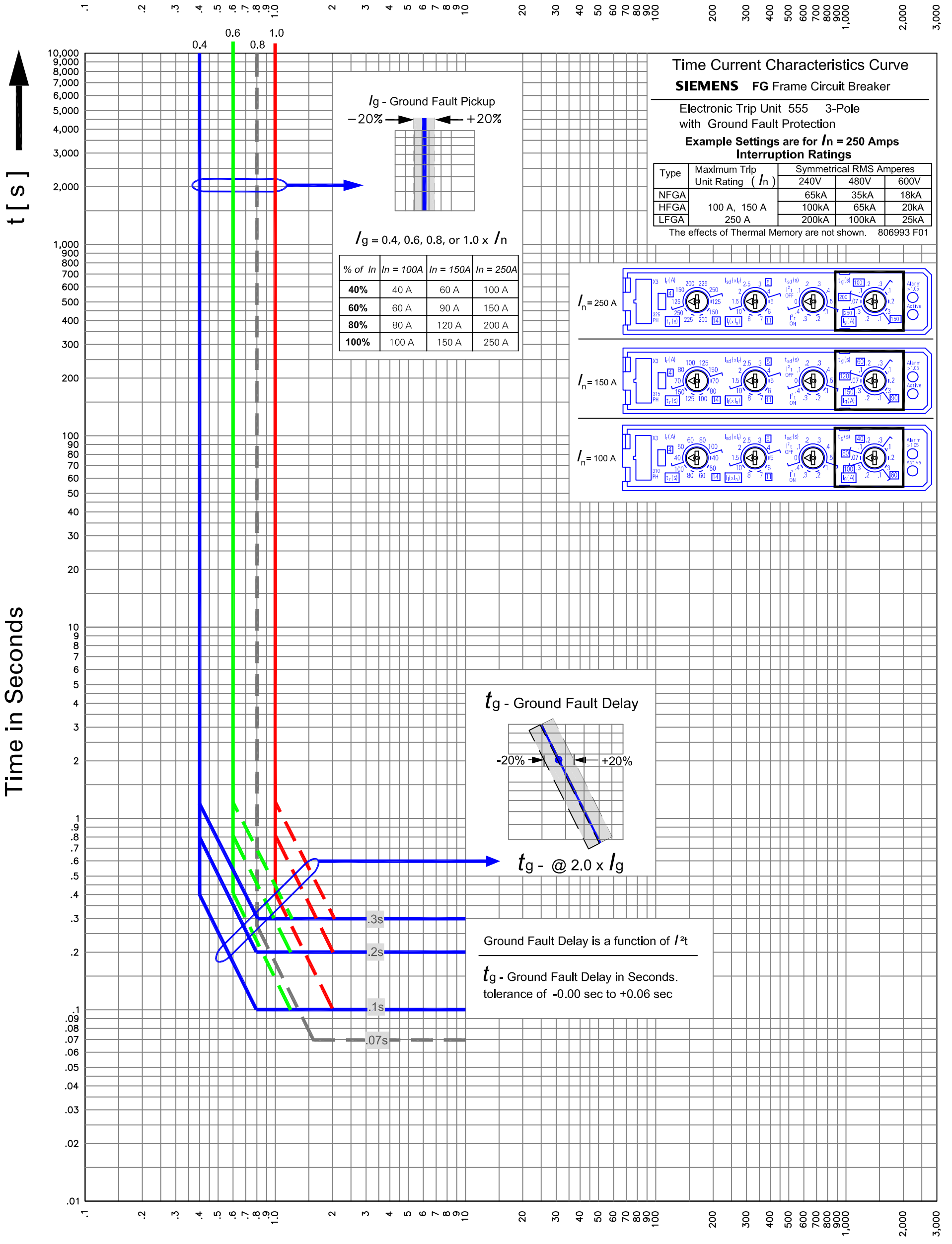
$I_n = 150$ Amps I_r (AMPS) = I_r (Multi) $\times I_n$
 70 A = $.467 \times I_n$ 100 A = $.667 \times I_n$ 150 A = $1.0 \times I_n$
 80 A = $.533 \times I_n$ 125 A = $.833 \times I_n$



$I_n = 100$ 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





806993F01
 April 2012

Multiples of Continuous Current Rating $\times I_n$