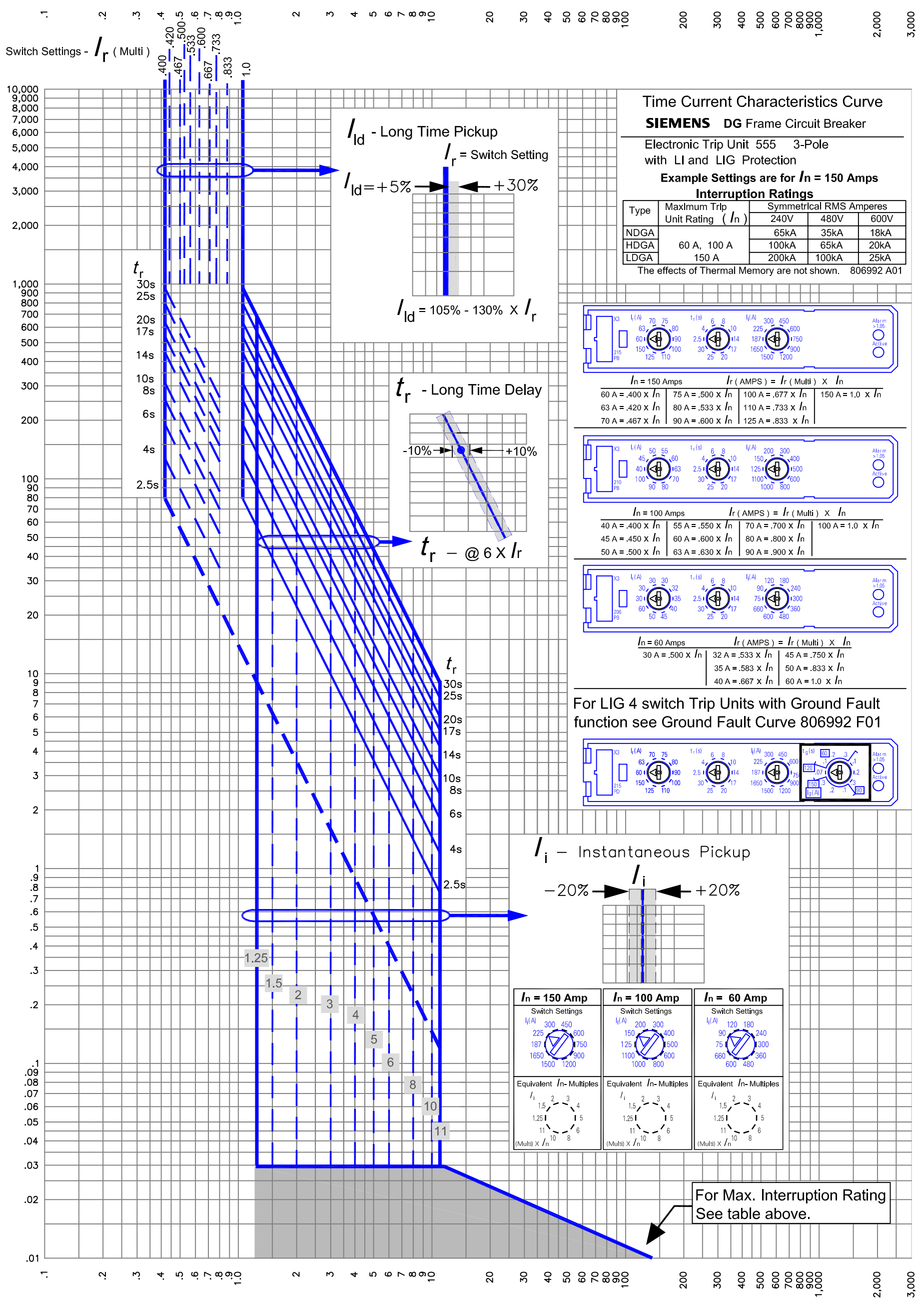


t [s]

Time in Seconds



Time Current Characteristics Curve
SIEMENS DG Frame Circuit Breaker

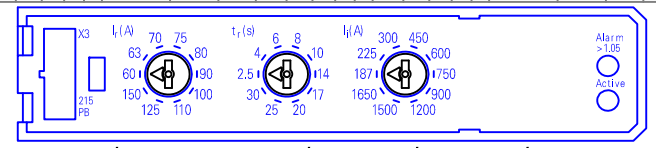
Electronic Trip Unit 555 3-Pole
 with LI and LIG Protection

Example Settings are for $I_n = 150$ Amps

Interruption Ratings

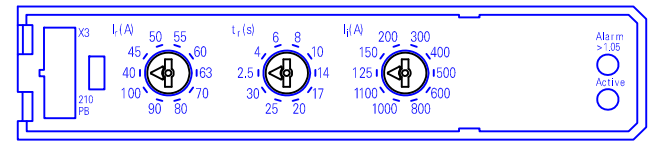
Type	Maximum Trip Unit Rating (I_n)	Symmetrical RMS Amperes		
		240V	480V	600V
NDGA		65kA	35kA	18kA
HDGA	60 A, 100 A	100kA	65kA	20kA
LDGA	150 A	200kA	100kA	25kA

The effects of Thermal Memory are not shown. 806992 A01



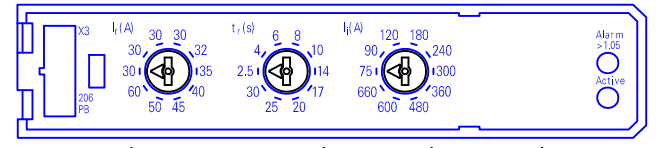
$I_n = 150$ Amps I_r (AMPS) = I_r (Multi) $\times I_n$

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) $\times I_n$

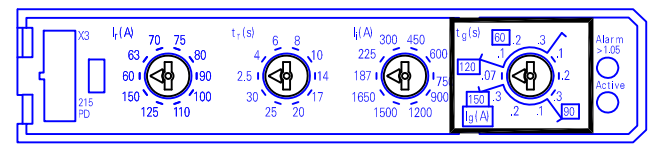
40 A = .400 $\times I_n$	55 A = .550 $\times I_n$	70 A = .700 $\times I_n$	100 A = 1.0 $\times I_n$
45 A = .450 $\times I_n$	60 A = .600 $\times I_n$	80 A = .800 $\times I_n$	
50 A = .500 $\times I_n$	63 A = .630 $\times I_n$	90 A = .900 $\times I_n$	



$I_n = 60$ Amps I_r (AMPS) = I_r (Multi) $\times I_n$

30 A = .500 $\times I_n$	32 A = .533 $\times I_n$	45 A = .750 $\times I_n$
	35 A = .583 $\times I_n$	50 A = .833 $\times I_n$
	40 A = .667 $\times I_n$	60 A = 1.0 $\times I_n$

For LIG 4 switch Trip Units with Ground Fault function see Ground Fault Curve 806992 F01

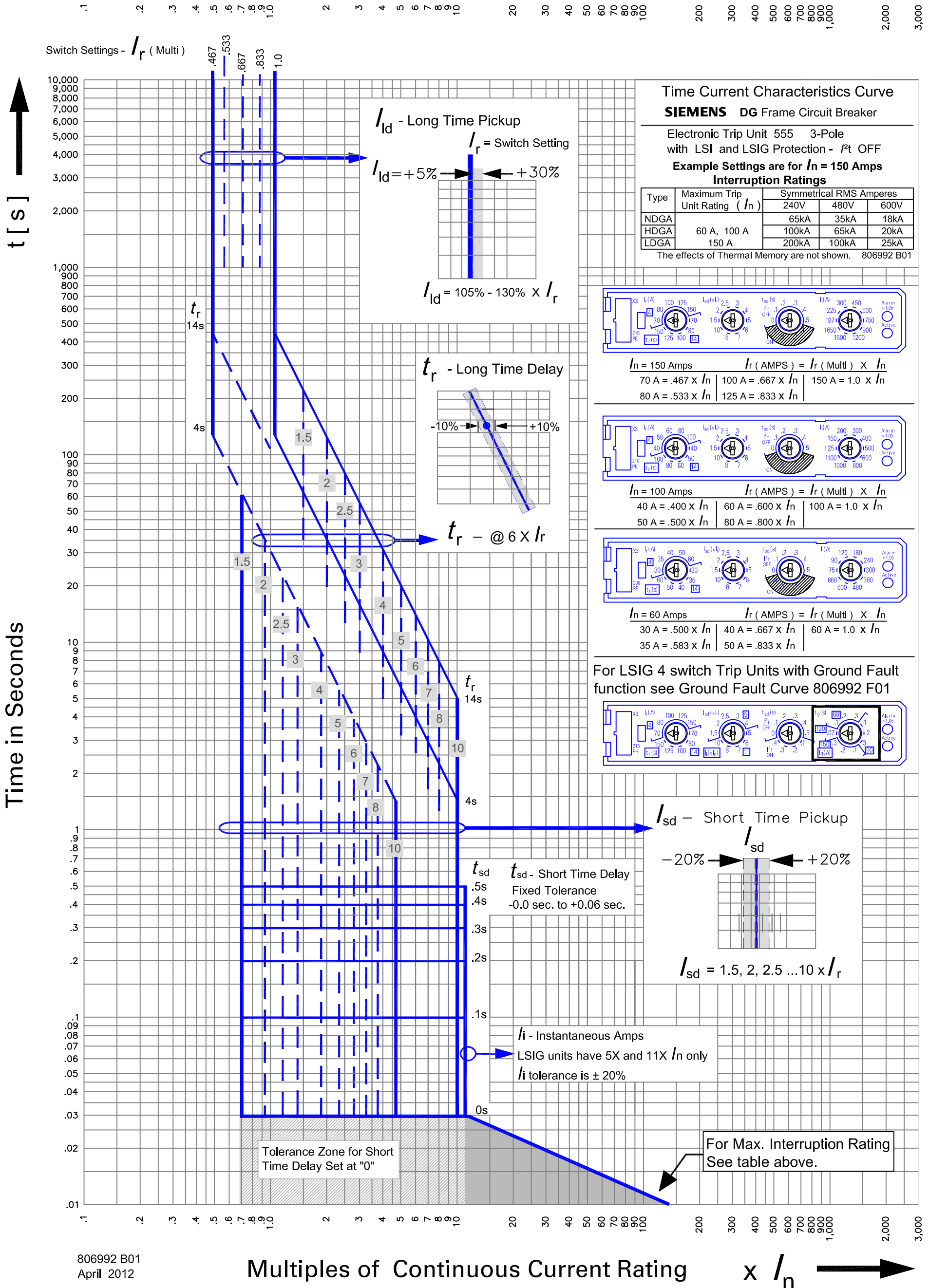


$I_n = 150$ Amp	$I_n = 100$ Amp	$I_n = 60$ Amp
Switch Settings I_r (A) 300 450 600 750 900 1200 1500 1875	Switch Settings I_r (A) 200 300 400 500 600 800 1000	Switch Settings I_r (A) 120 180 240 300 360 480 600
Equivalent I_n -Multiples I_i 1.5 2 3 4 5 6 8 10 11	Equivalent I_n -Multiples I_i 1.5 2 3 4 5 6 8 10 11	Equivalent I_n -Multiples I_i 1.5 2 3 4 5 6 8 10 11

For Max. Interruption Rating See table above.

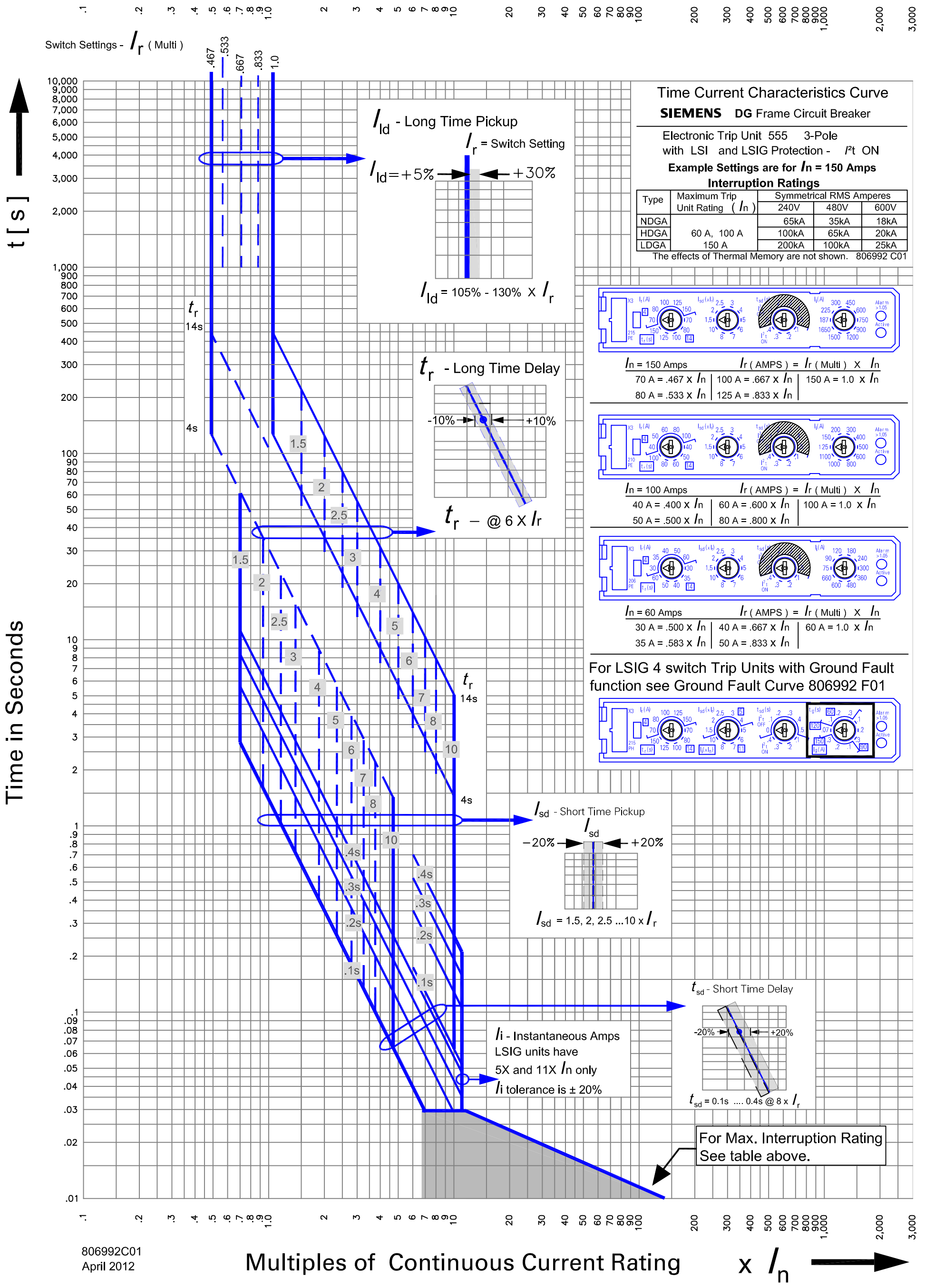
806992 A01
 April 2012

Multiples of Continuous Current Rating $\times I_n$

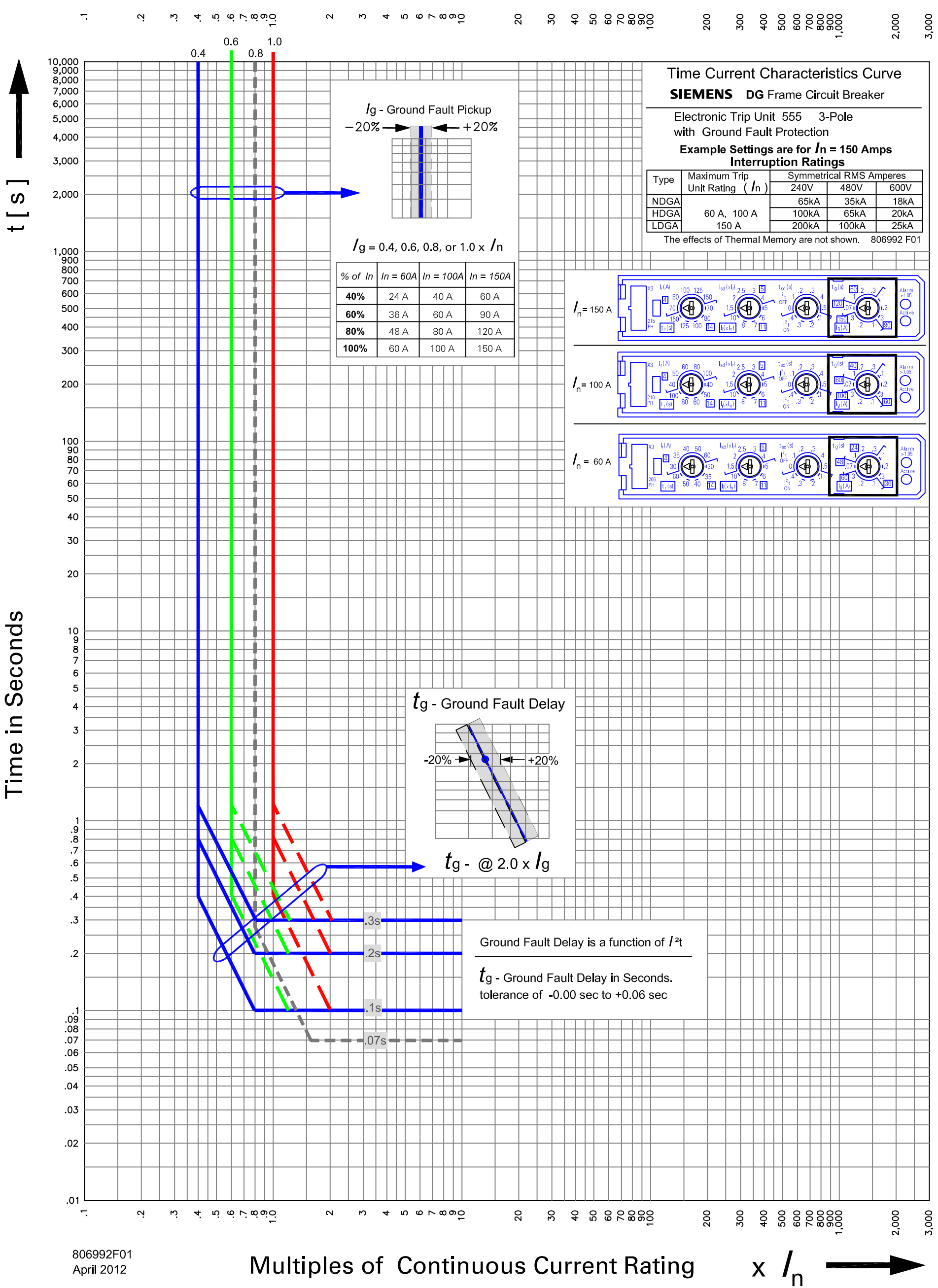


806992 B01
 April 2012

Multiples of Continuous Current Rating $\times I_n$



806992C01
 April 2012



806992F01
 April 2012

Multiples of Continuous Current Rating

$\times I_n$