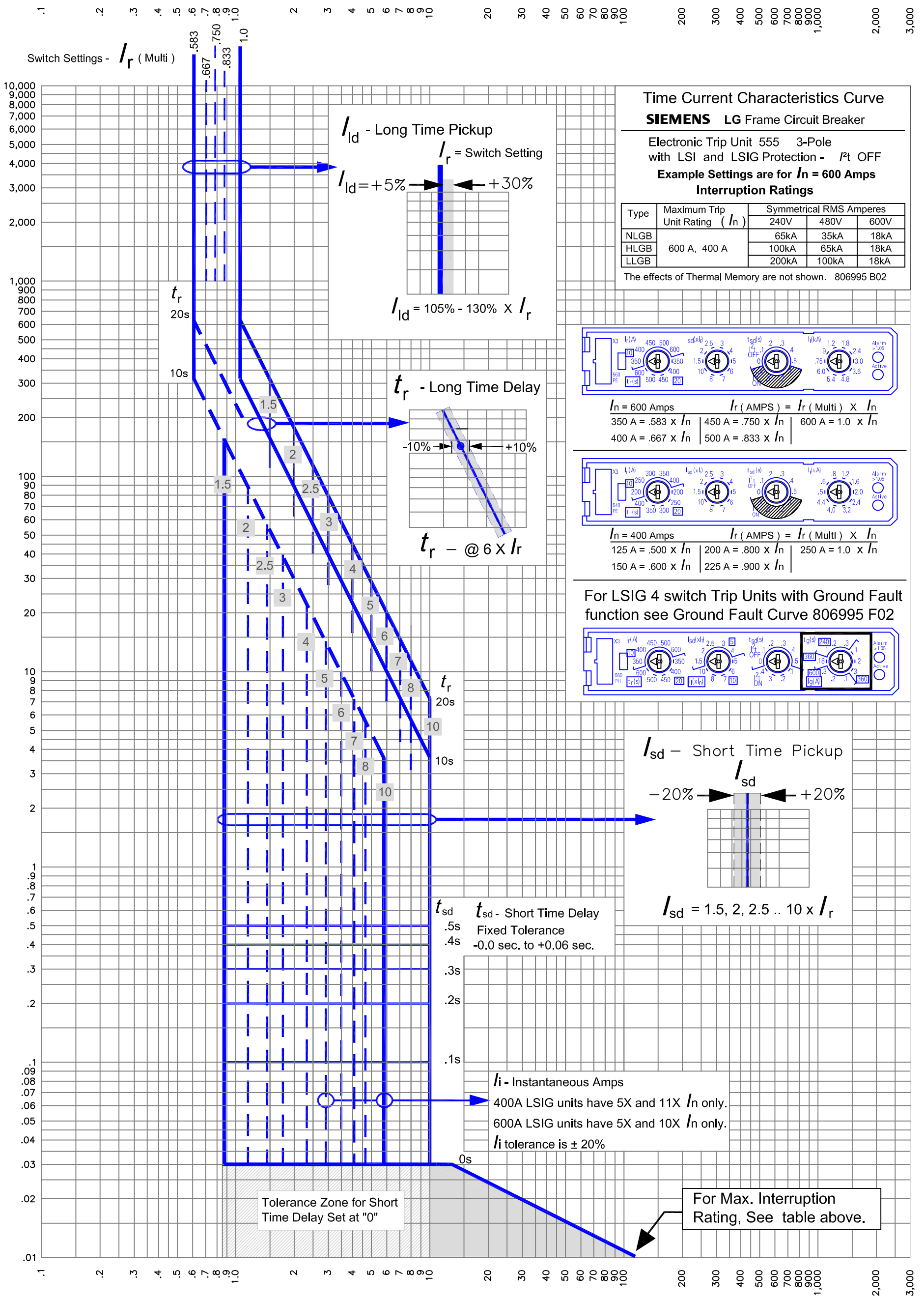


806995A02
 April 2012

Multiples of Continuous Current Rating $\times I_n$

t [s]

Time in Seconds

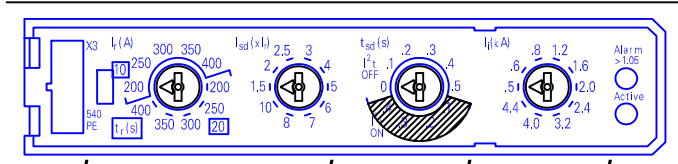
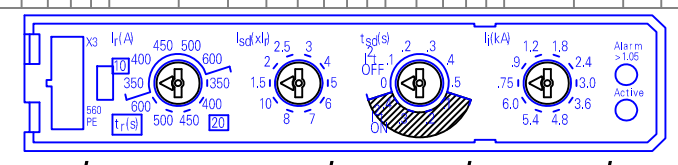


Time Current Characteristics Curve
SIEMENS LG Frame Circuit Breaker

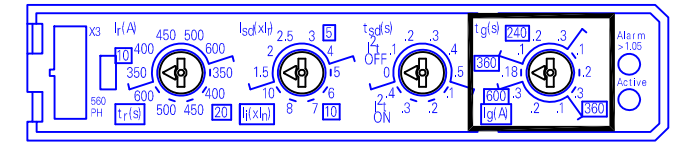
Electronic Trip Unit 555 3-Pole
 with LSI and LSIG Protection - I^2t OFF
Example Settings are for $I_n = 600$ Amps
Interruption Ratings

Type	Maximum Trip Unit Rating (I_n)	Symmetrical RMS Amperes		
		240V	480V	600V
NLGB	600 A, 400 A	65kA	35kA	18kA
HLGB		100kA	65kA	18kA
LLGB		200kA	100kA	18kA

The effects of Thermal Memory are not shown. 806995 B02



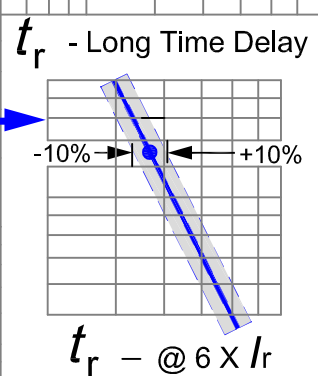
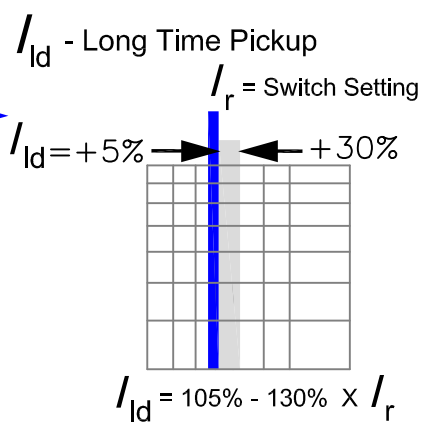
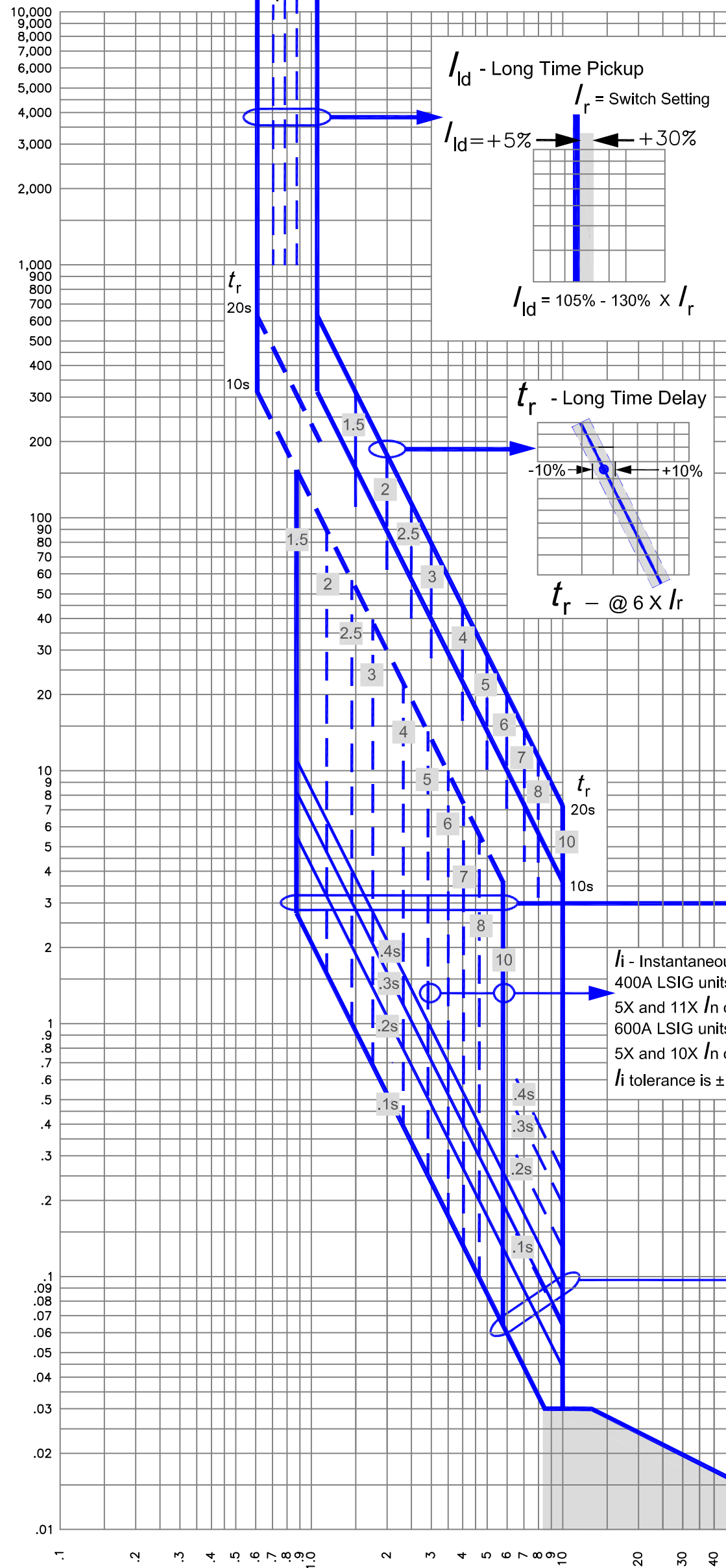
For LSIG 4 switch Trip Units with Ground Fault function see Ground Fault Curve 806995 F02



t [s]

Time in Seconds

Switch Settings - I_r (Multi)

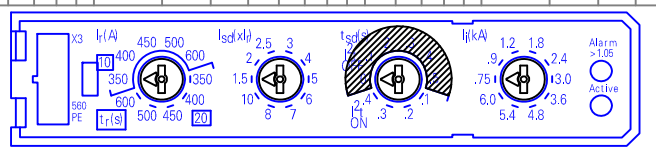


Time Current Characteristics Curve
SIEMENS LG Frame Circuit Breaker

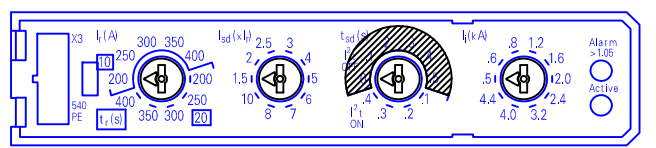
Electronic Trip Unit 555 3-Pole
 with LSI and LSIG Protection - Pt ON
Example Settings are for $I_n = 600$ Amps
Interruption Ratings

Type	Maximum Trip Unit Rating (I_n)	Symmetrical RMS Amperes		
		240V	480V	600V
NLGB	600 A, 400 A	65kA	35kA	18kA
HLGB		100kA	65kA	18kA
LLGB		200kA	100kA	18kA

The effects of Thermal Memory are not shown. 806995 C02

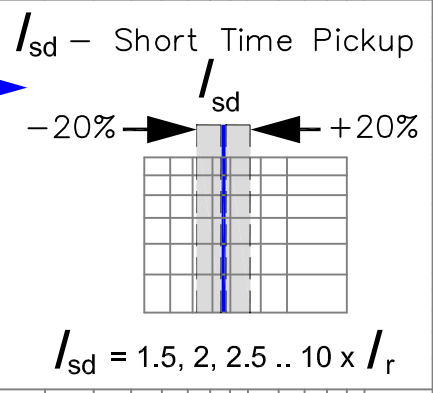
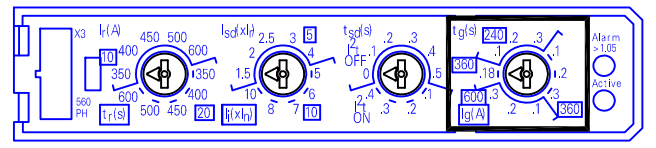


$I_n = 600$ Amps I_r (AMPS) = I_r (Multi) $\times I_n$
 $350 \text{ A} = .583 \times I_n$ | $450 \text{ A} = .750 \times I_n$ | $600 \text{ A} = 1.0 \times I_n$
 $400 \text{ A} = .667 \times I_n$ | $500 \text{ A} = .833 \times I_n$

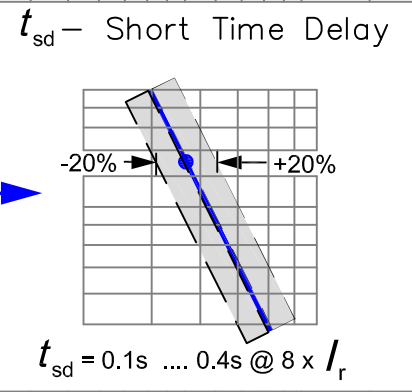


$I_n = 400$ Amps I_r (AMPS) = I_r (Multi) $\times I_n$
 $125 \text{ A} = .500 \times I_n$ | $200 \text{ A} = .800 \times I_n$ | $250 \text{ A} = 1.0 \times I_n$
 $150 \text{ A} = .600 \times I_n$ | $225 \text{ A} = .900 \times I_n$

For LSIG 4 switch Trip Units with Ground Fault function see Ground Fault Curve 806995 F02



I_i - Instantaneous Amps
 400A LSIG units have 5X and 11X I_n only.
 600A LSIG units have 5X and 10X I_n only.
 I_i tolerance is $\pm 20\%$

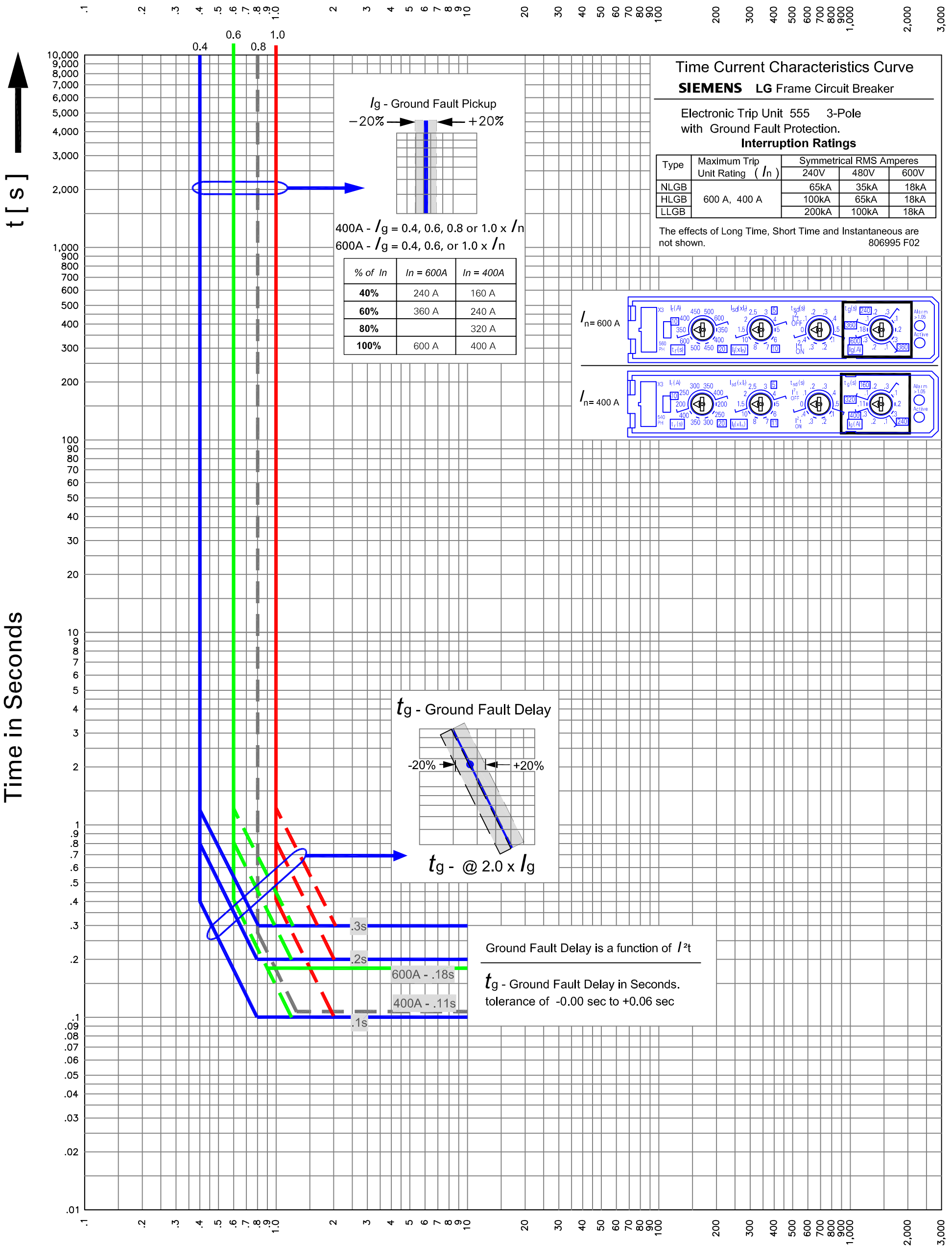


For Max. Interruption Rating, See table above.

806995C02
 April 2012

Multiples of Continuous Current Rating

$\times I_n$



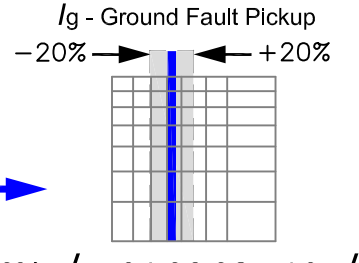
Time Current Characteristics Curve
SIEMENS LG Frame Circuit Breaker

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

Interruption Ratings

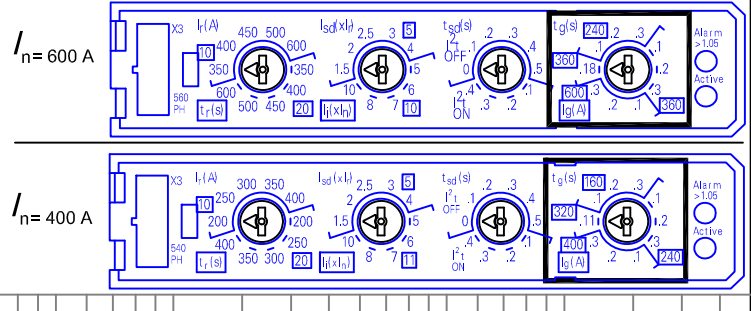
Type	Maximum Trip Unit Rating (I_n)	Symmetrical RMS Amperes		
		240V	480V	600V
NLGB	600 A, 400 A	65kA	35kA	18kA
HLGB		100kA	65kA	18kA
LLGB		200kA	100kA	18kA

The effects of Long Time, Short Time and Instantaneous are not shown. 806995 F02

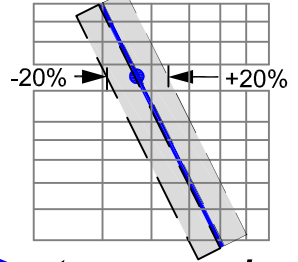


400A - $I_g = 0.4, 0.6, 0.8$ or $1.0 \times I_n$
 600A - $I_g = 0.4, 0.6,$ or $1.0 \times I_n$

% of I_n	$I_n = 600A$	$I_n = 400A$
40%	240 A	160 A
60%	360 A	240 A
80%		320 A
100%	600 A	400 A



t_g - Ground Fault Delay



t_g - @ $2.0 \times I_g$

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

806994F01
 April 2012

Multiples of Continuous Current Rating $\times I_n$