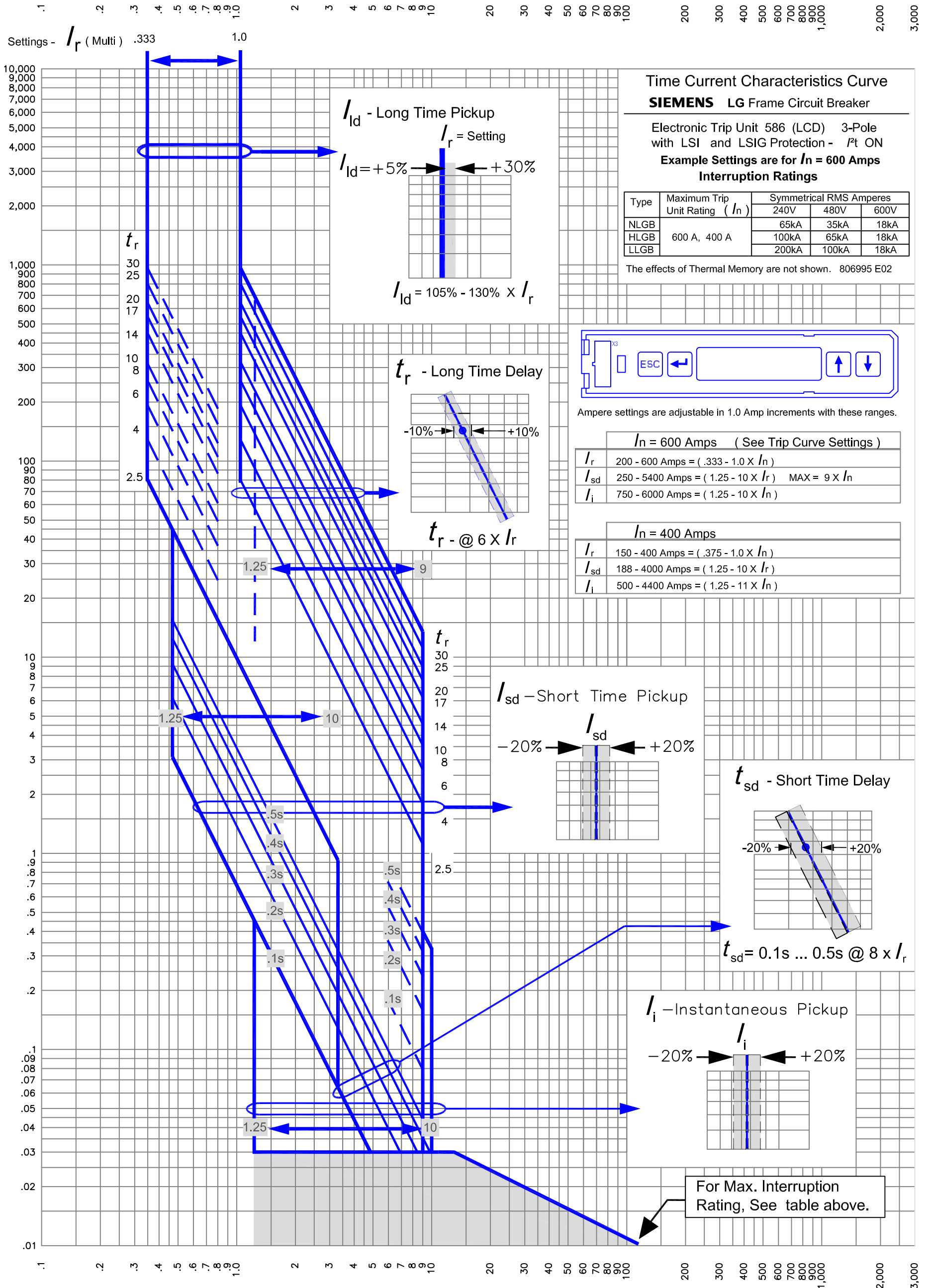


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 April 2012

t [s]

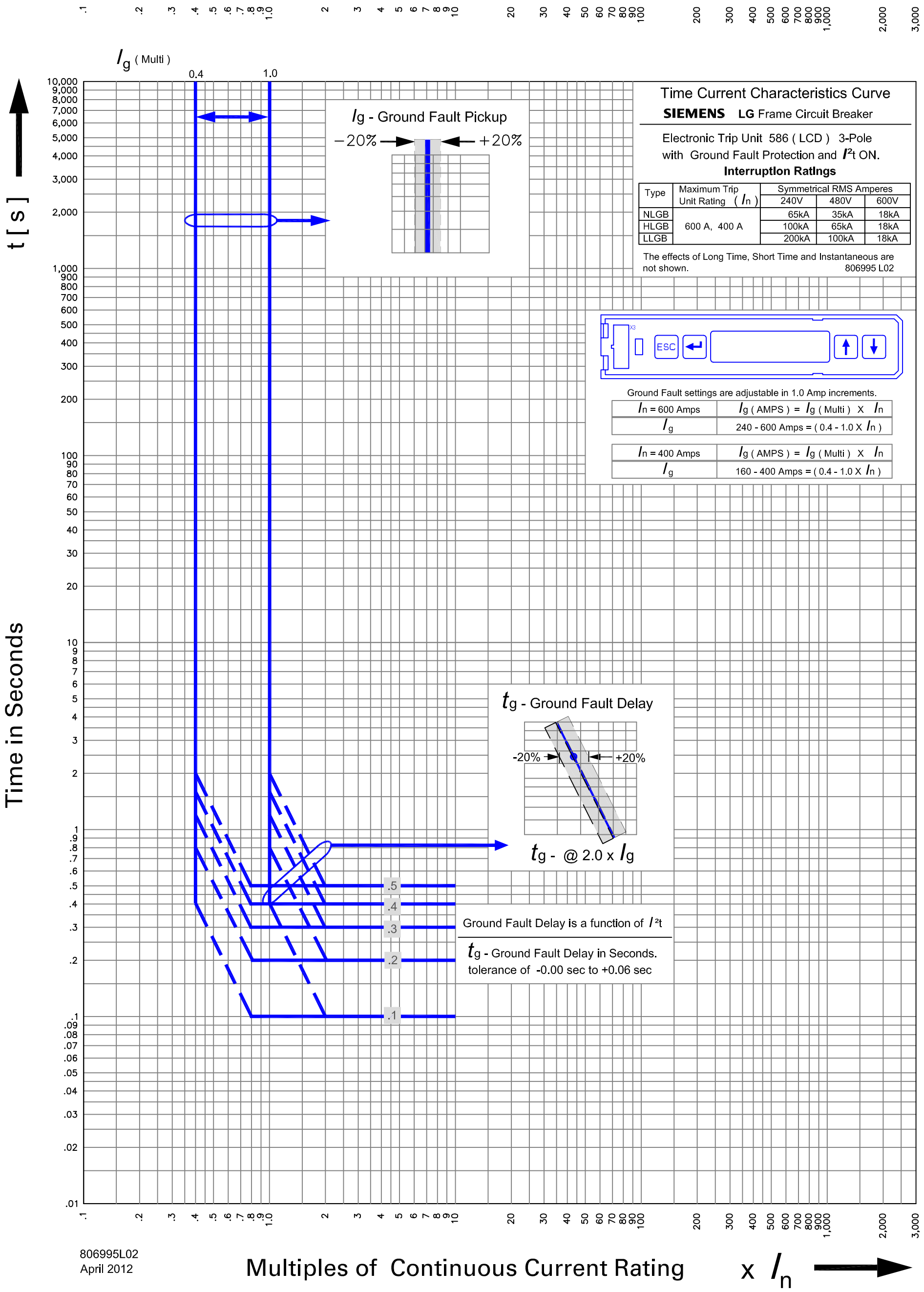
Time in Seconds



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Multiples of Continuous Current Rating

$\times I_n$



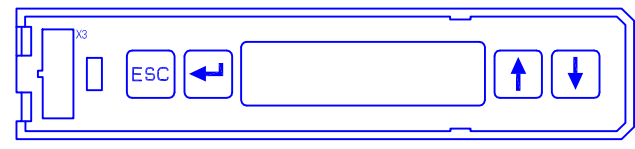
Time Current Characteristics Curve
SIEMENS LG Frame Circuit Breaker

Electronic Trip Unit 586 (LCD) 3-Pole
 with Ground Fault Protection and I²t ON.

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 L02

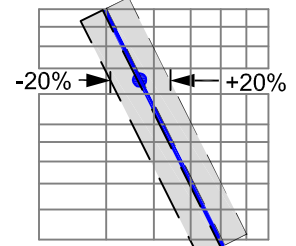


Ground Fault settings are adjustable in 1.0 Amp increments.

I _n = 600 Amps	I _g (AMPS) = I _g (Multi) X I _n
I _g	240 - 600 Amps = (0.4 - 1.0 X I _n)

I _n = 400 Amps	I _g (AMPS) = I _g (Multi) X I _n
I _g	160 - 400 Amps = (0.4 - 1.0 X I _n)

t_g - Ground Fault Delay



t_g - @ 2.0 x I_g

Ground Fault Delay is a function of I²t

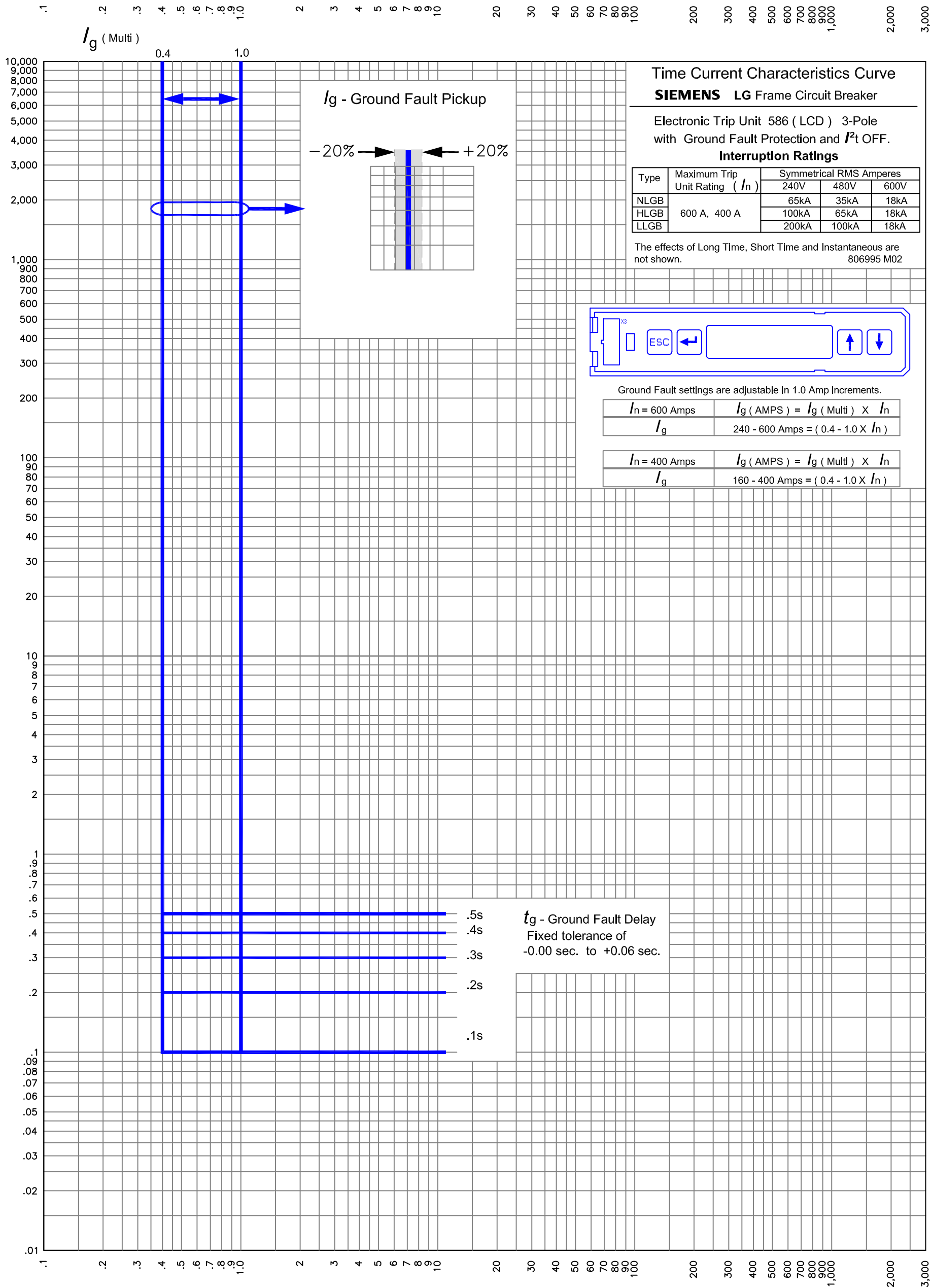
t_g - Ground Fault Delay in Seconds.
 tolerance of -0.00 sec to +0.06 sec

806995L02
 April 2012

Multiples of Continuous Current Rating x I_n →

t [s]

Time in Seconds



806995M02
 April 2012

Multiples of Continuous Current Rating $\times I_n$