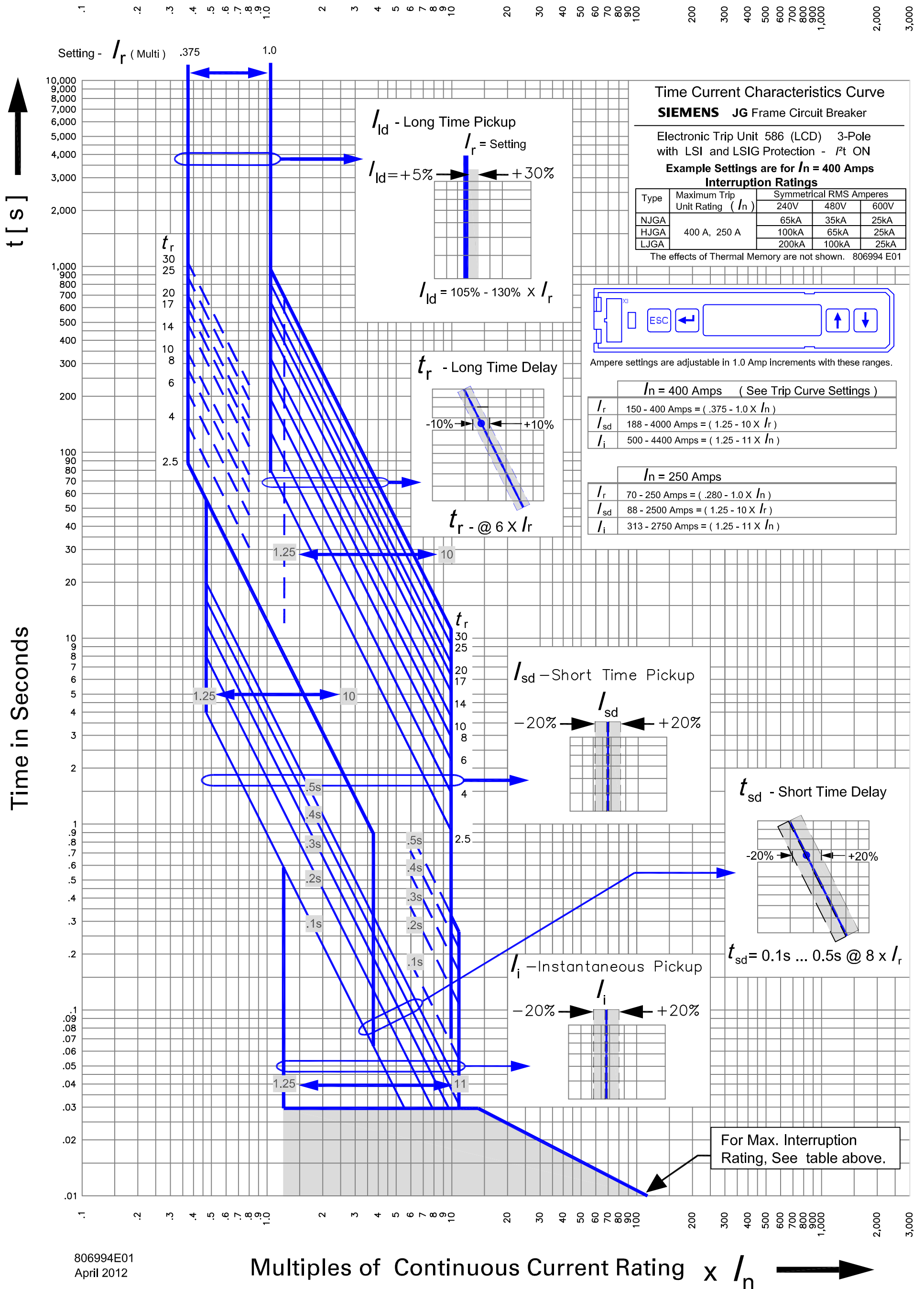


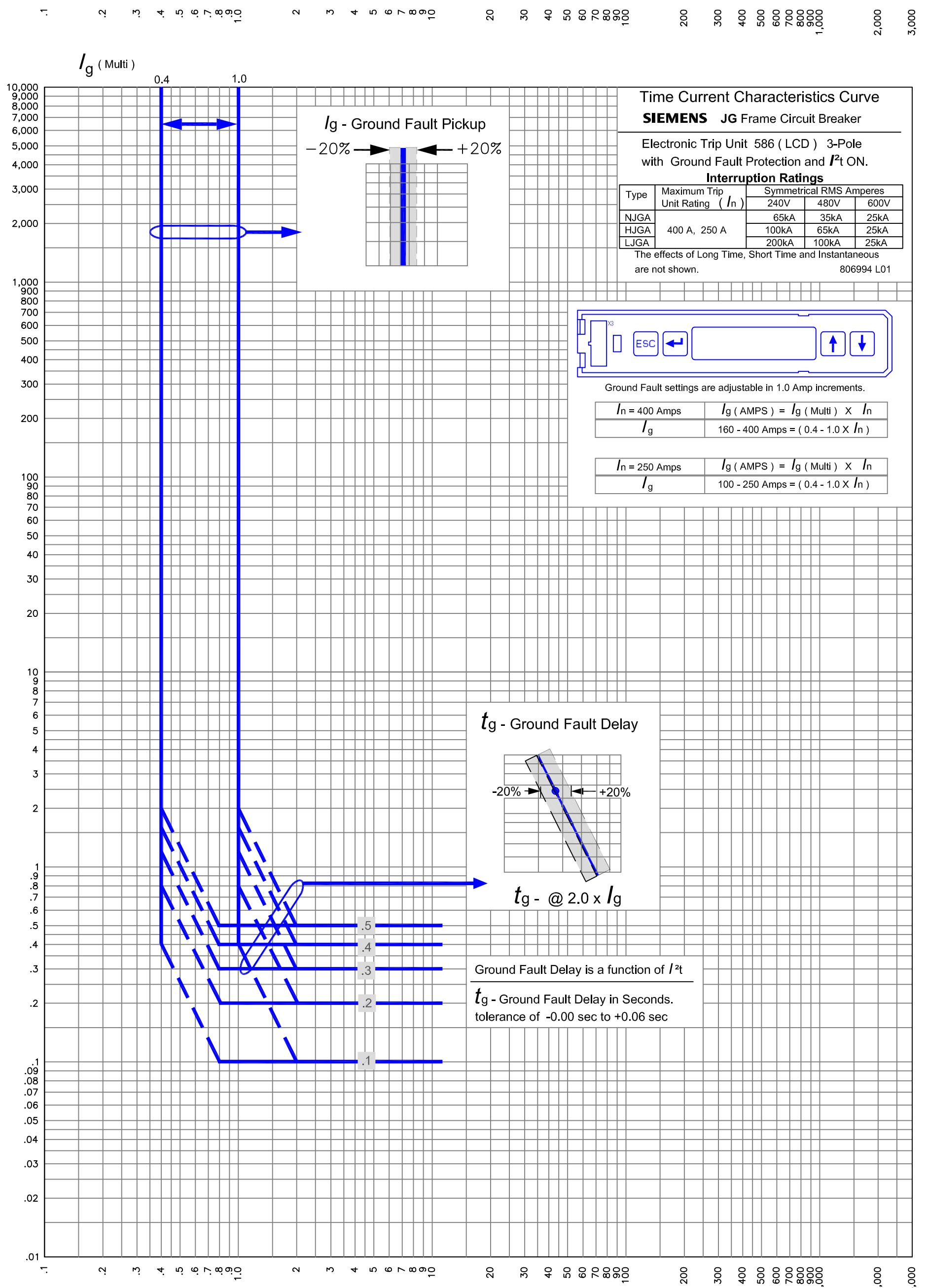
806994D01
 April 2012



806994E01
 April 2012

t [s]

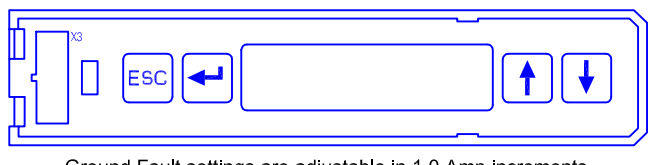
Time in Seconds



Time Current Characteristics Curve
SIEMENS JG Frame Circuit Breaker
 Electronic Trip Unit 586 (LCD) 3-Pole
 with Ground Fault Protection and I^2t ON.
Interruption Ratings

Type	Maximum Trip Unit Rating (I_n)	Symmetrical RMS Amperes		
		240V	480V	600V
NJGA	400 A, 250 A	65kA	35kA	25kA
HJGA		100kA	65kA	25kA
LJGA		200kA	100kA	25kA

The effects of Long Time, Short Time and Instantaneous are not shown. 806994 L01

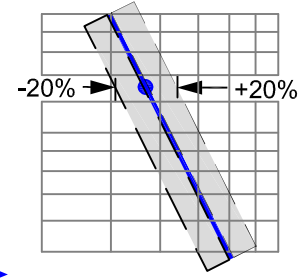


Ground Fault settings are adjustable in 1.0 Amp increments.

$I_n = 400$ Amps	I_g (AMPS) = I_g (Multi) X I_n
I_g	160 - 400 Amps = (0.4 - 1.0 X I_n)

$I_n = 250$ Amps	I_g (AMPS) = I_g (Multi) X I_n
I_g	100 - 250 Amps = (0.4 - 1.0 X I_n)

t_g - Ground Fault Delay



t_g - @ 2.0 x I_g

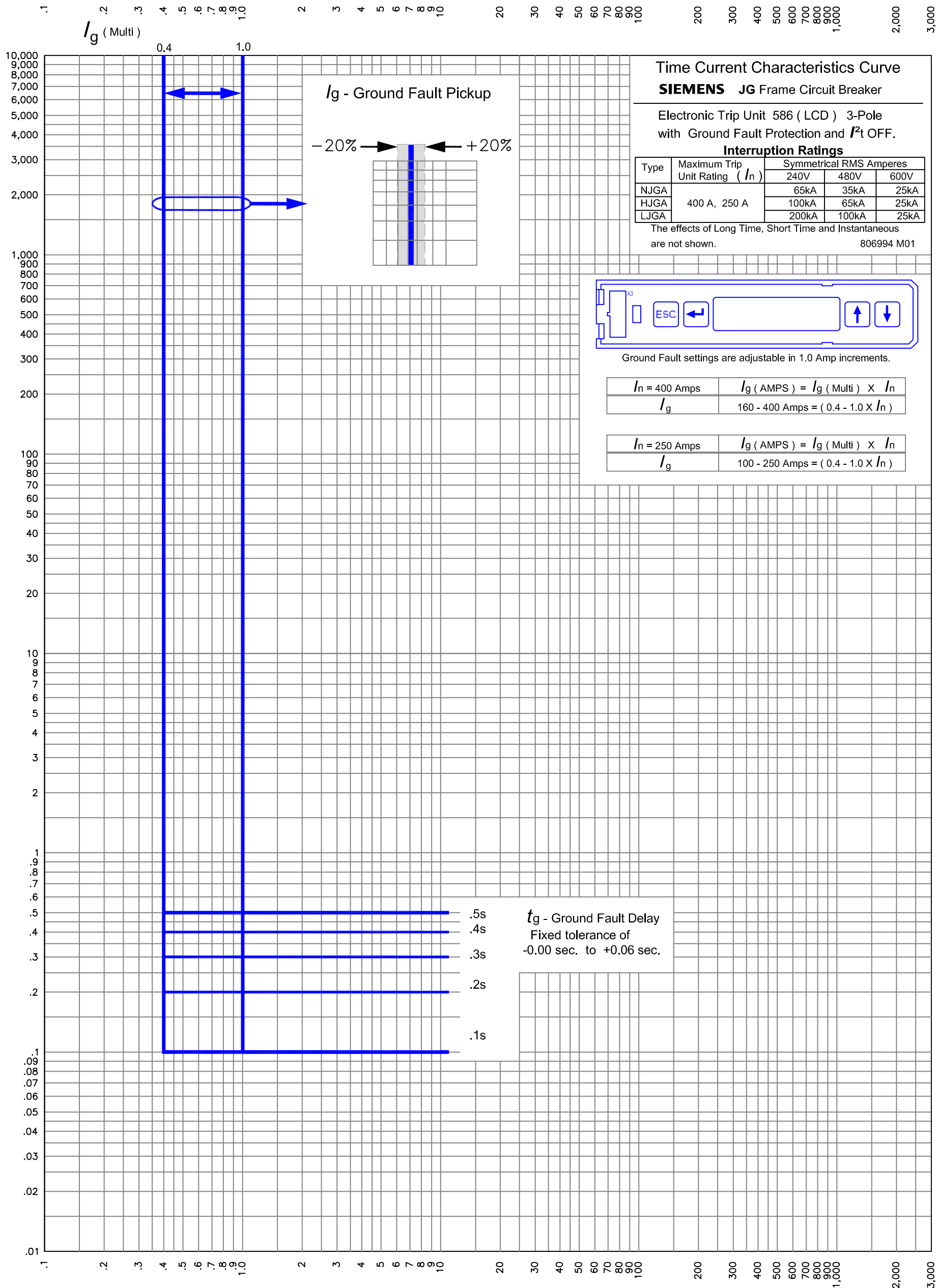
Ground Fault Delay is a function of I^2t
 t_g - Ground Fault Delay in Seconds.
 tolerance of -0.00 sec to +0.06 sec

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Multiples of Continuous Current Rating x I_n

t [s]

Time in Seconds



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Multiples of Continuous Current Rating $\times I_n$