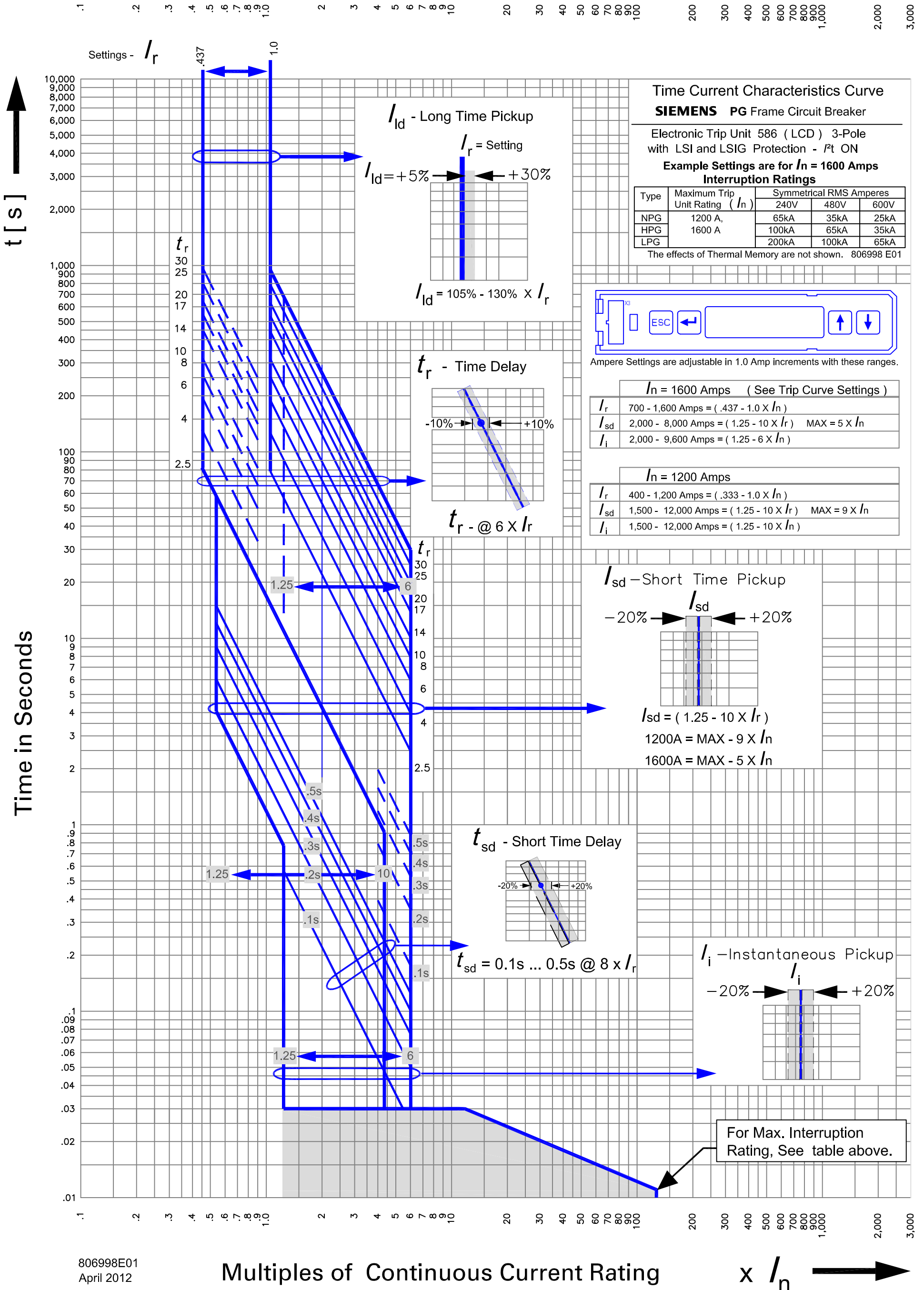


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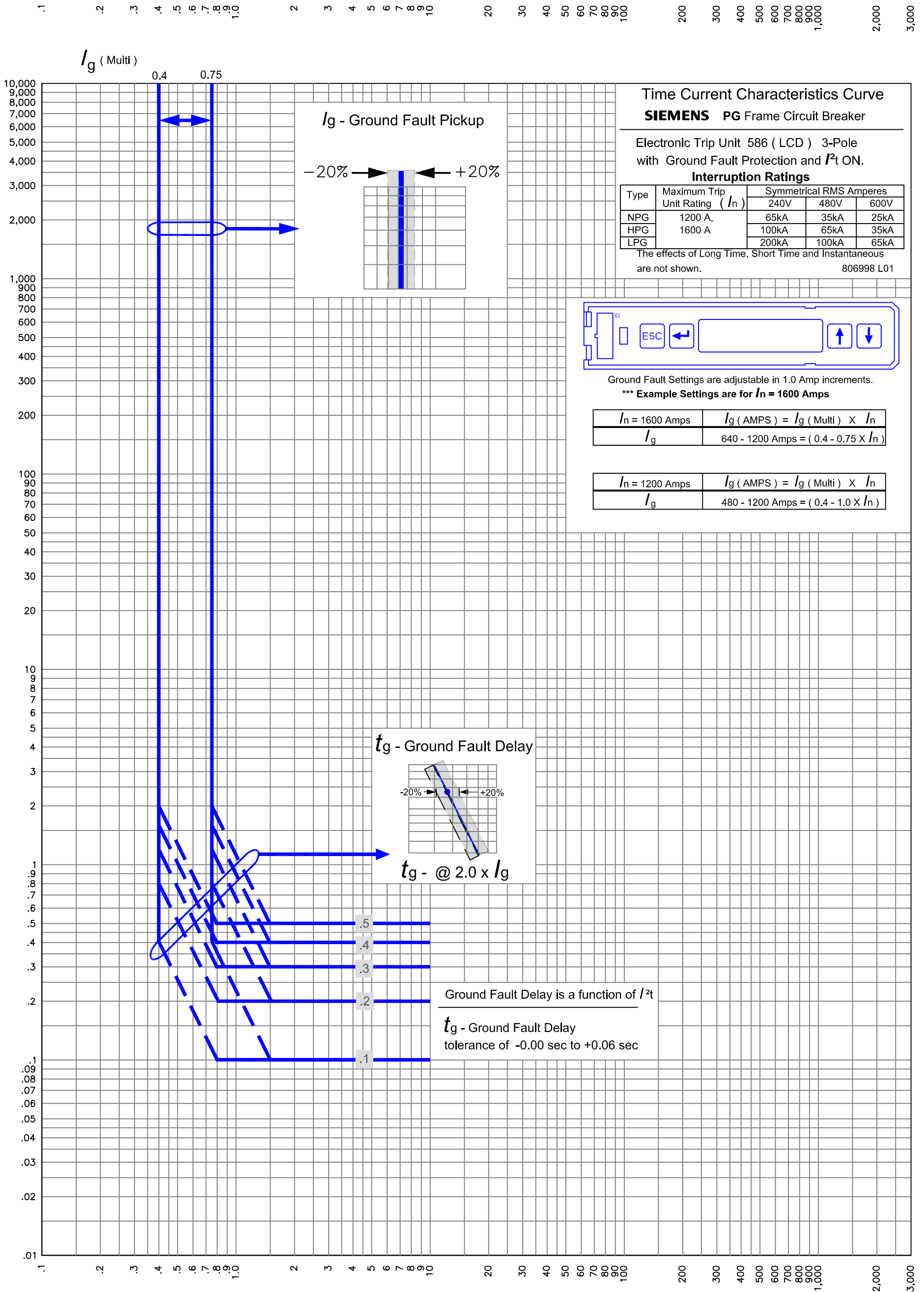
Multiples of Continuous Current Rating $\times I_n$



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t [s]

Time in Seconds



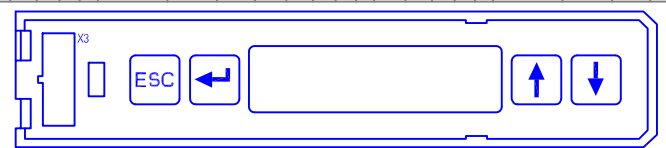
Time Current Characteristics Curve
SIEMENS PG Frame Circuit Breaker

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
NPG	1200 A,	65kA	35kA	25kA
HPG	1600 A	100kA	65kA	35kA
LPG		200kA	100kA	65kA

The effects of Long Time, Short Time and Instantaneous are not shown. 806998 L01

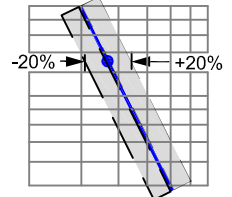


Ground Fault Settings are adjustable in 1.0 Amp increments.
*** Example Settings are for I_n = 1600 Amps

I _n = 1600 Amps	I _g (AMPS) = I _g (Multi) X I _n
I _g	640 - 1200 Amps = (0.4 - 0.75 X I _n)

I _n = 1200 Amps	I _g (AMPS) = I _g (Multi) X I _n
I _g	480 - 1200 Amps = (0.4 - 1.0 X I _n)

t_g - Ground Fault Delay



t_g - @ 2.0 x I_g

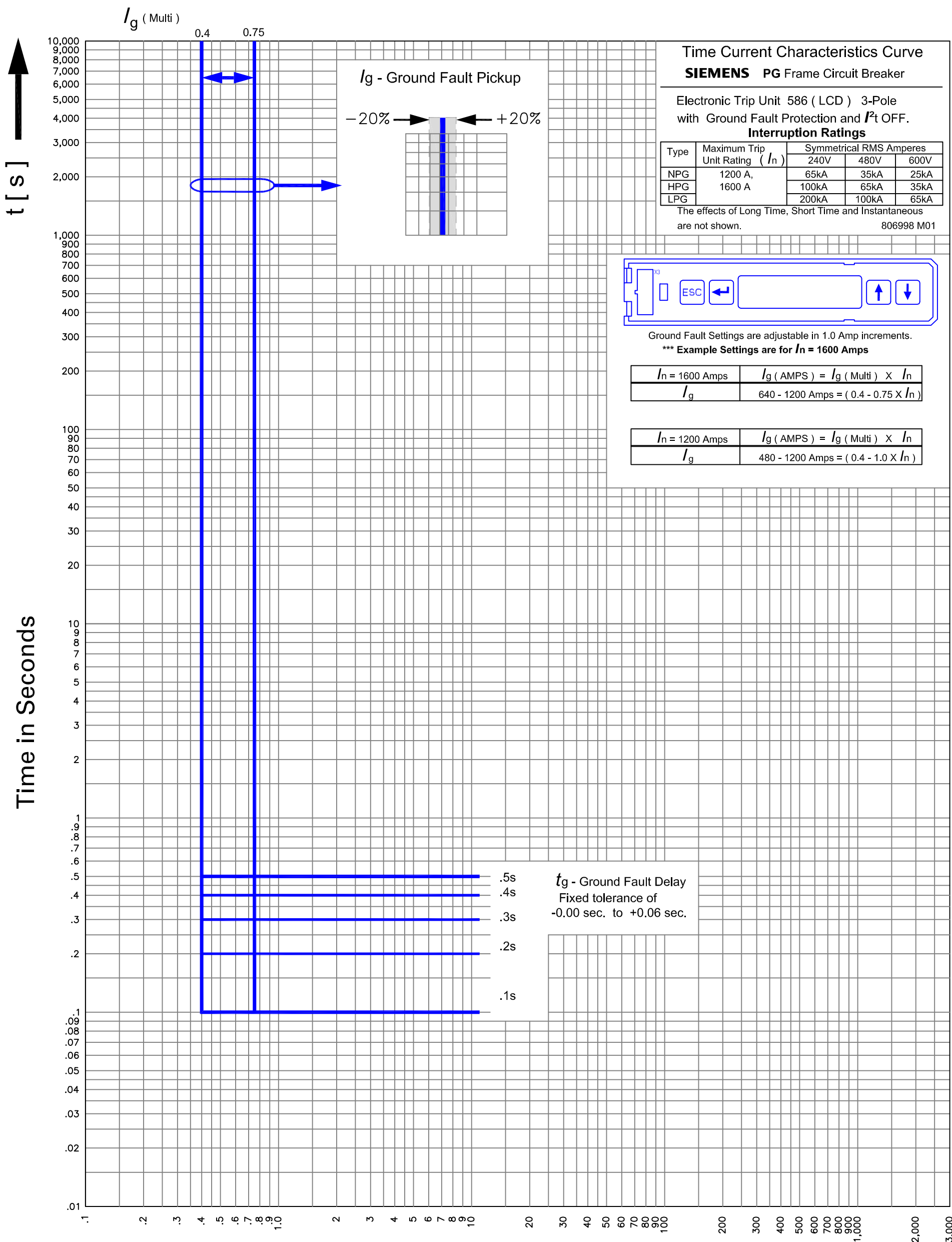
Ground Fault Delay is a function of I²t

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

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Multiples of Continuous Current Rating

x I_n →



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Multiples of Continuous Current Rating $\times I_n$ →