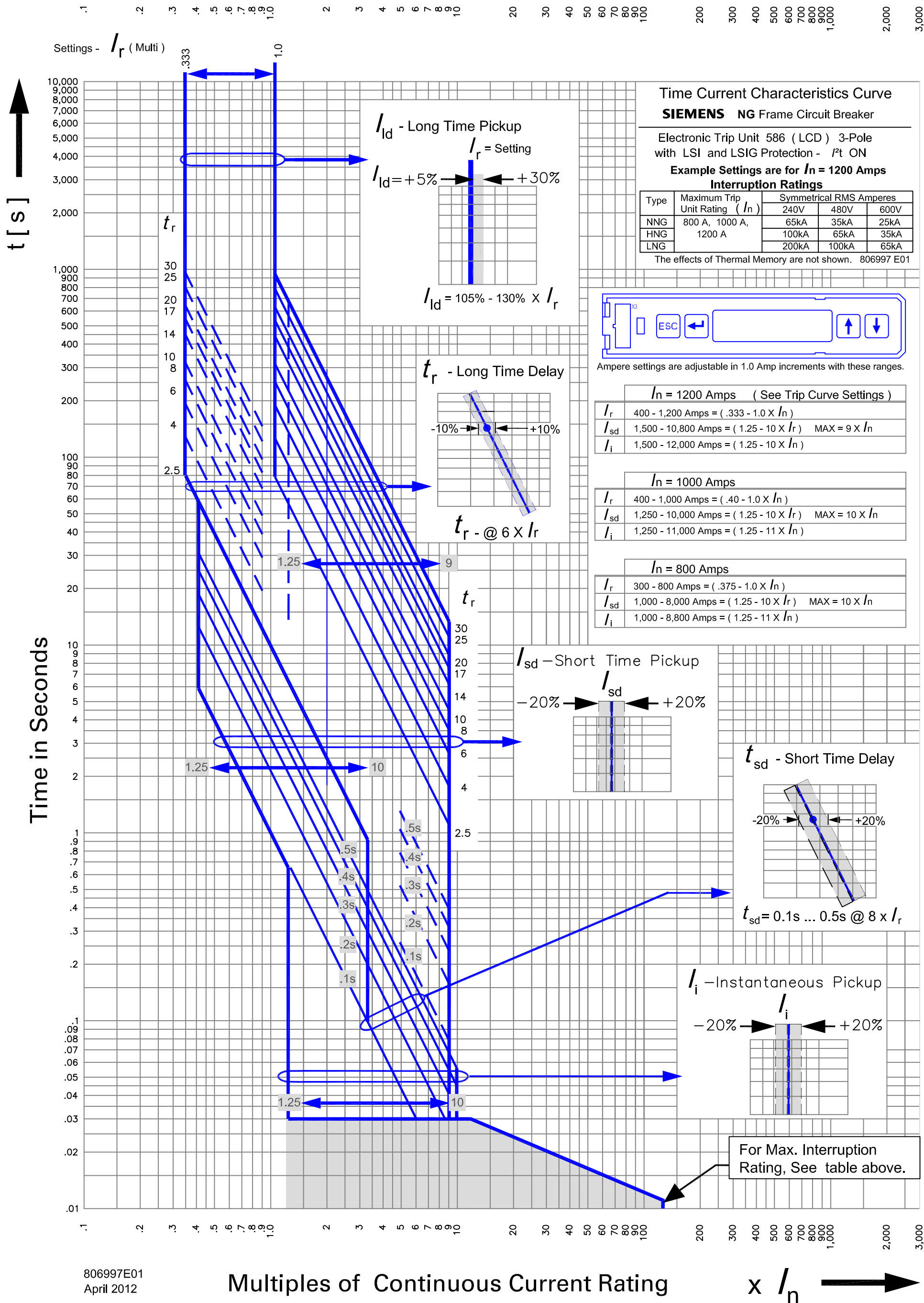


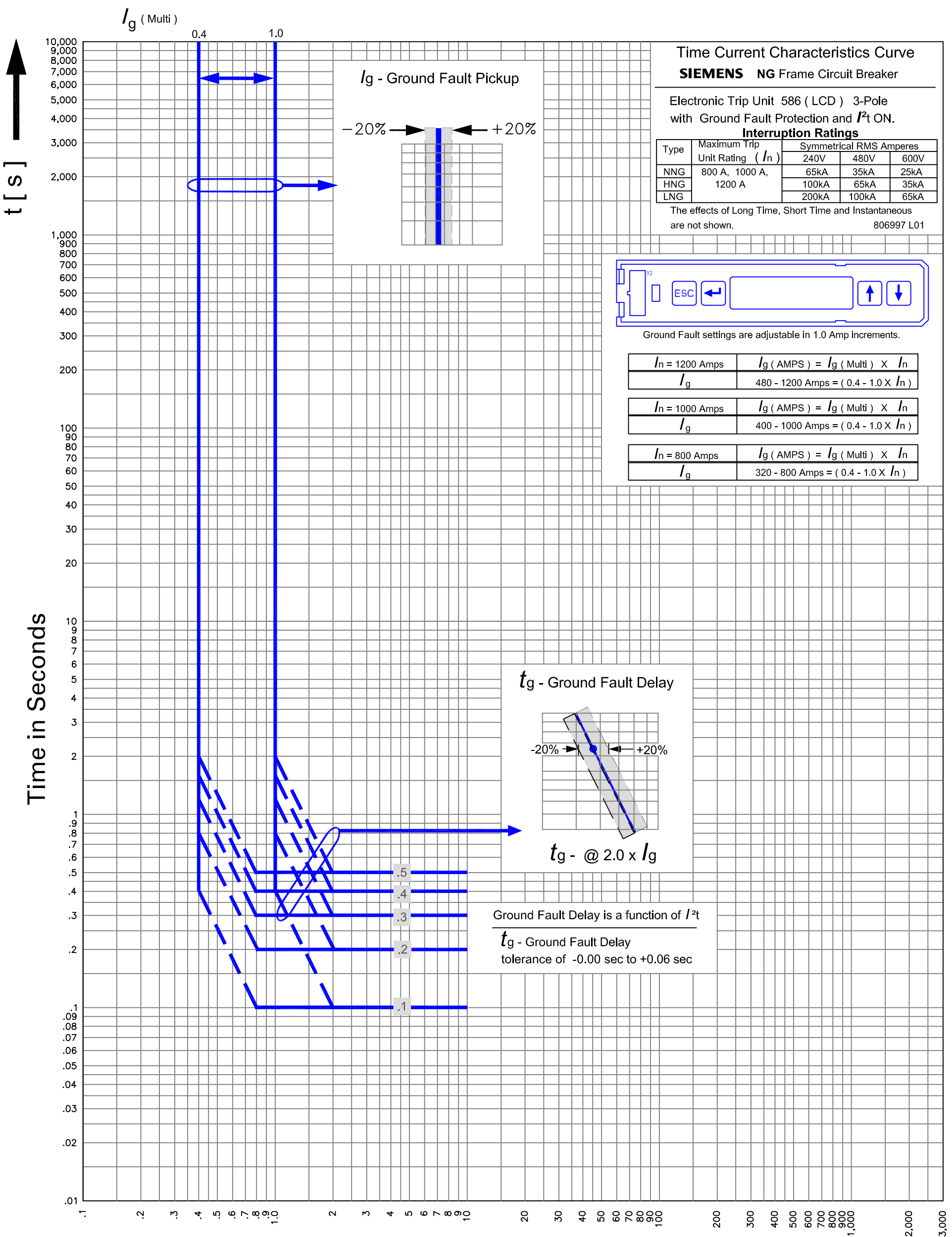
806997D01  
 April 2012

Multiples of Continuous Current Rating

$\times I_n$



806997E01  
 April 2012



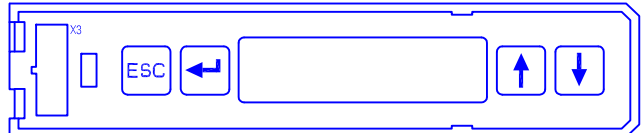
**Time Current Characteristics Curve**  
**SIEMENS NG Frame Circuit Breaker**

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
NNG	800 A, 1000 A,	65kA	35kA	25kA
HNG	1200 A	100kA	65kA	35kA
LNG		200kA	100kA	65kA

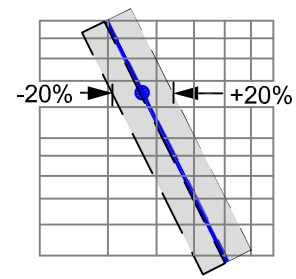
The effects of Long Time, Short Time and Instantaneous are not shown. 806997 L01



Ground Fault settings are adjustable in 1.0 Amp increments.

$I_n = 1200$ Amps	$I_g ( AMPS ) = I_g ( Multi ) \times I_n$
$I_g$	480 - 1200 Amps = ( 0.4 - 1.0 X $I_n$ )
$I_n = 1000$ Amps	$I_g ( AMPS ) = I_g ( Multi ) \times I_n$
$I_g$	400 - 1000 Amps = ( 0.4 - 1.0 X $I_n$ )
$I_n = 800$ Amps	$I_g ( AMPS ) = I_g ( Multi ) \times I_n$
$I_g$	320 - 800 Amps = ( 0.4 - 1.0 X $I_n$ )

**$t_g$  - Ground Fault Delay**



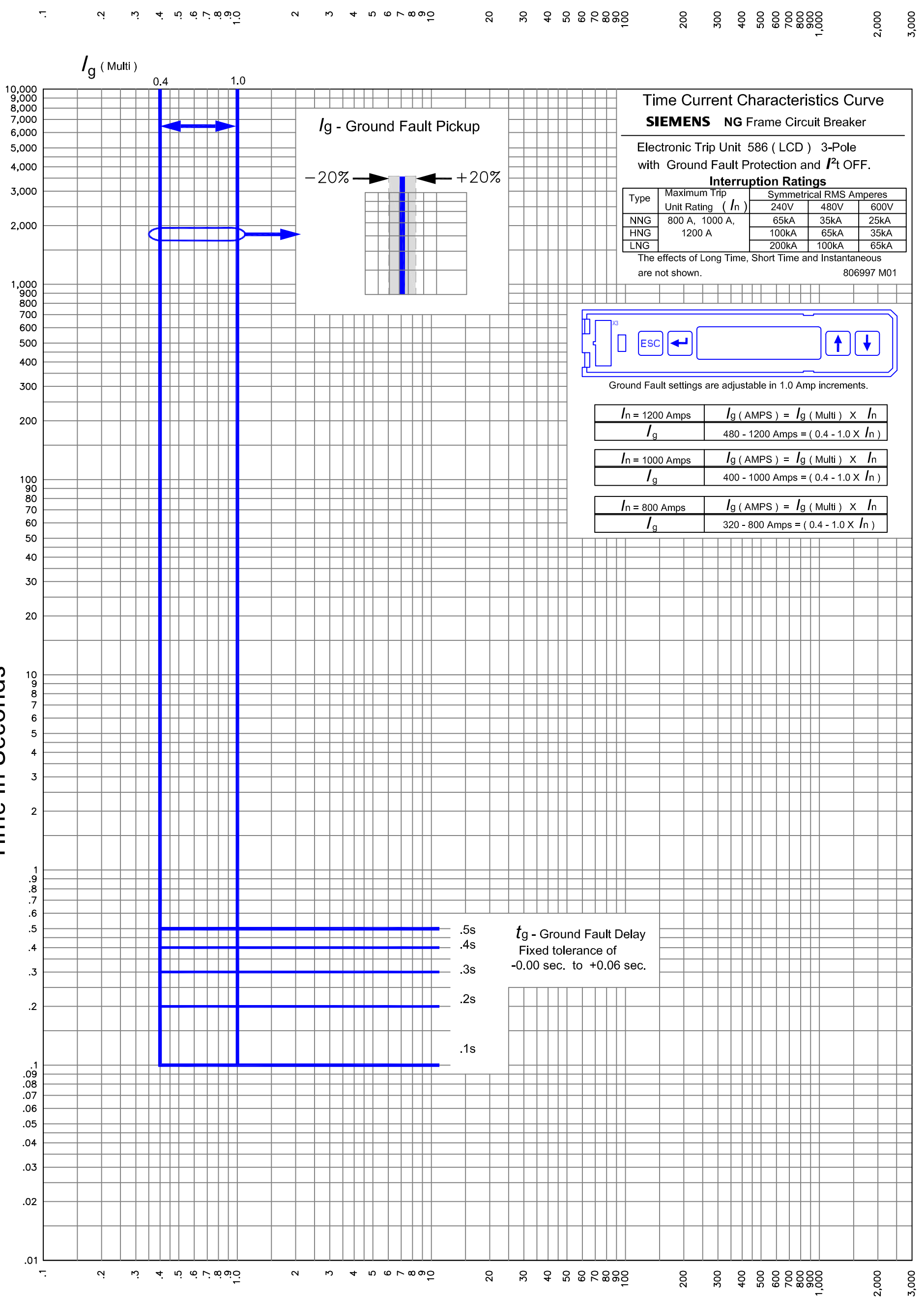
$t_g$  - @ 2.0 x  $I_g$

Ground Fault Delay is a function of  $I^2t$

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

t [ s ]

Time in Seconds



**Time Current Characteristics Curve**  
**SIEMENS NG Frame Circuit Breaker**

Electronic Trip Unit 586 ( LCD ) 3-Pole  
with Ground Fault Protection and I<sup>2</sup>t OFF.

**Interruption Ratings**

Type	Maximum Trip Unit Rating ( I <sub>n</sub> )	Symmetrical RMS Amperes		
		240V	480V	600V
NNG	800 A, 1000 A,	65kA	35kA	25kA
HNG	1200 A	100kA	65kA	35kA
LNG		200kA	100kA	65kA

The effects of Long Time, Short Time and Instantaneous are not shown. 806997 M01



Ground Fault settings are adjustable in 1.0 Amp increments.

$I_n = 1200 \text{ Amps}$	$I_g \text{ (AMPS)} = I_g \text{ (Multi)} \times I_n$
$I_g$	480 - 1200 Amps = ( 0.4 - 1.0 X I <sub>n</sub> )
$I_n = 1000 \text{ Amps}$	$I_g \text{ (AMPS)} = I_g \text{ (Multi)} \times I_n$
$I_g$	400 - 1000 Amps = ( 0.4 - 1.0 X I <sub>n</sub> )
$I_n = 800 \text{ Amps}$	$I_g \text{ (AMPS)} = I_g \text{ (Multi)} \times I_n$
$I_g$	320 - 800 Amps = ( 0.4 - 1.0 X I <sub>n</sub> )

**t<sub>g</sub> - Ground Fault Delay**  
Fixed tolerance of  
-0.00 sec. to +0.06 sec.

806997M01  
April 2012

Multiples of Continuous Current Rating  $\times I_n$