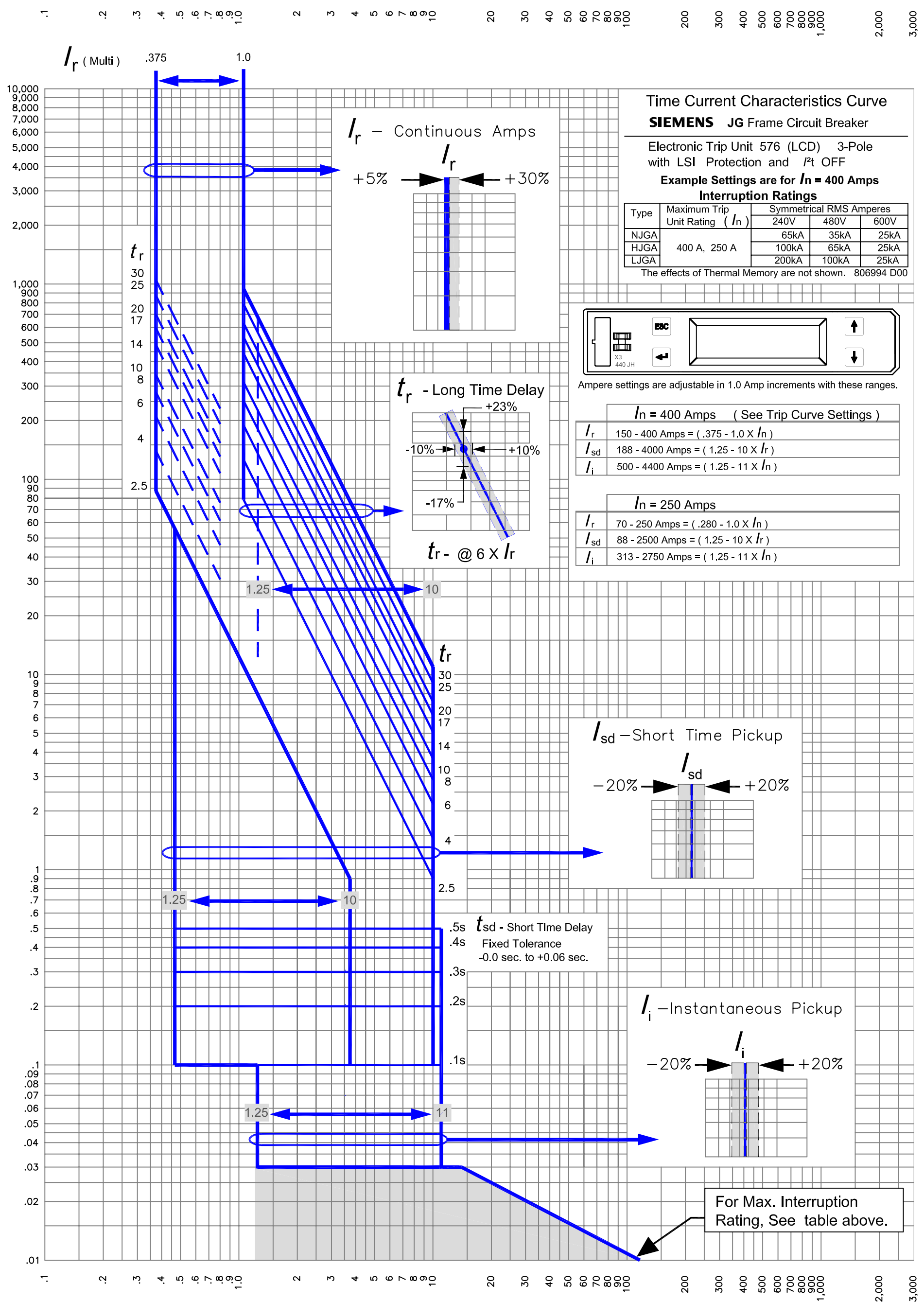


$t [s]$

Time in Seconds



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

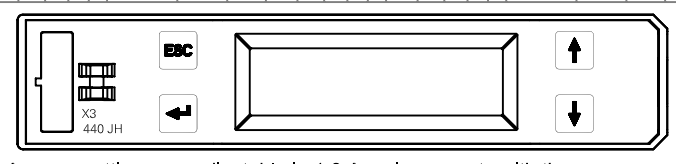
Electronic Trip Unit 576 (LCD) 3-Pole  
 with LSI Protection and I<sup>2</sup>t OFF

Example Settings are for  $I_n = 400$  Amps

**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 Thermal Memory are not shown. 806994 D00



Ampere settings are adjustable in 1.0 Amp increments with these ranges.

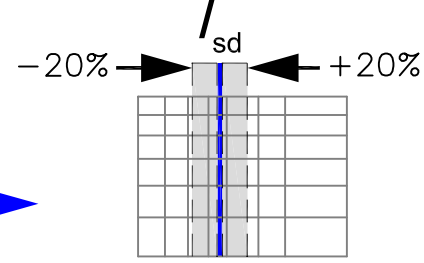
$I_n = 400$  Amps (See Trip Curve Settings)

$I_r$	150 - 400 Amps = ( .375 - 1.0 X $I_n$ )
$I_{sd}$	188 - 4000 Amps = ( 1.25 - 10 X $I_r$ )
$I_i$	500 - 4400 Amps = ( 1.25 - 11 X $I_n$ )

$I_n = 250$  Amps

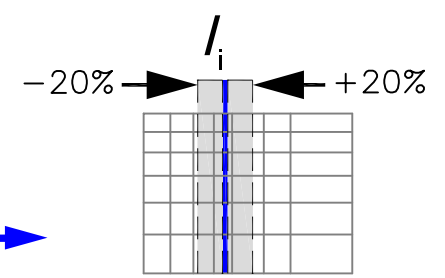
$I_r$	70 - 250 Amps = ( .280 - 1.0 X $I_n$ )
$I_{sd}$	88 - 2500 Amps = ( 1.25 - 10 X $I_r$ )
$I_i$	313 - 2750 Amps = ( 1.25 - 11 X $I_n$ )

$I_{sd}$  - Short Time Pickup



$t_{sd}$  - Short Time Delay  
 Fixed Tolerance  
 -0.0 sec. to +0.06 sec.

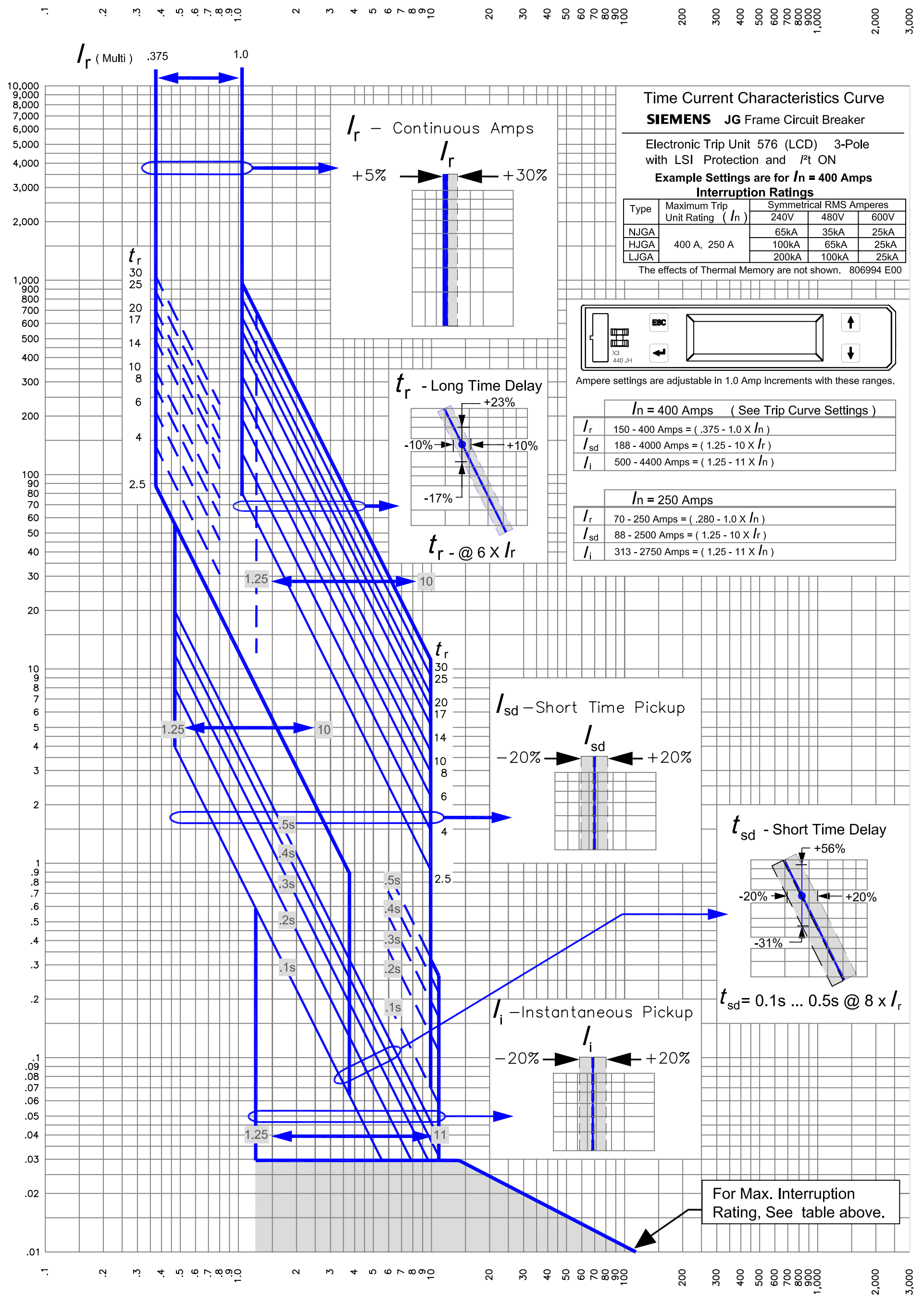
$I_i$  - Instantaneous Pickup



For Max. Interruption Rating, See table above.

t [s]

Time in Seconds



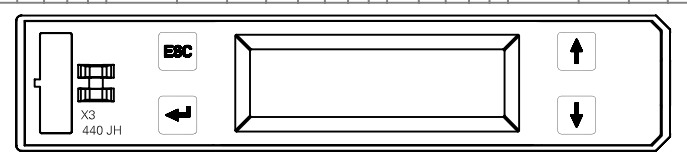
**Time Current Characteristics Curve**  
**SIEMENS JG Frame Circuit Breaker**

Electronic Trip Unit 576 (LCD) 3-Pole with LSI Protection and I<sup>2</sup>t ON

Example Settings are for In = 400 Amps  
**Interruption Ratings**

Type	Maximum Trip Unit Rating (In)	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 Thermal Memory are not shown. 806994 E00



Ampere settings are adjustable in 1.0 Amp increments with these ranges.

In = 400 Amps (See Trip Curve Settings)	
Ir	150 - 400 Amps = (.375 - 1.0 X In)
Isd	188 - 4000 Amps = (1.25 - 10 X Ir)
Ii	500 - 4400 Amps = (1.25 - 11 X In)

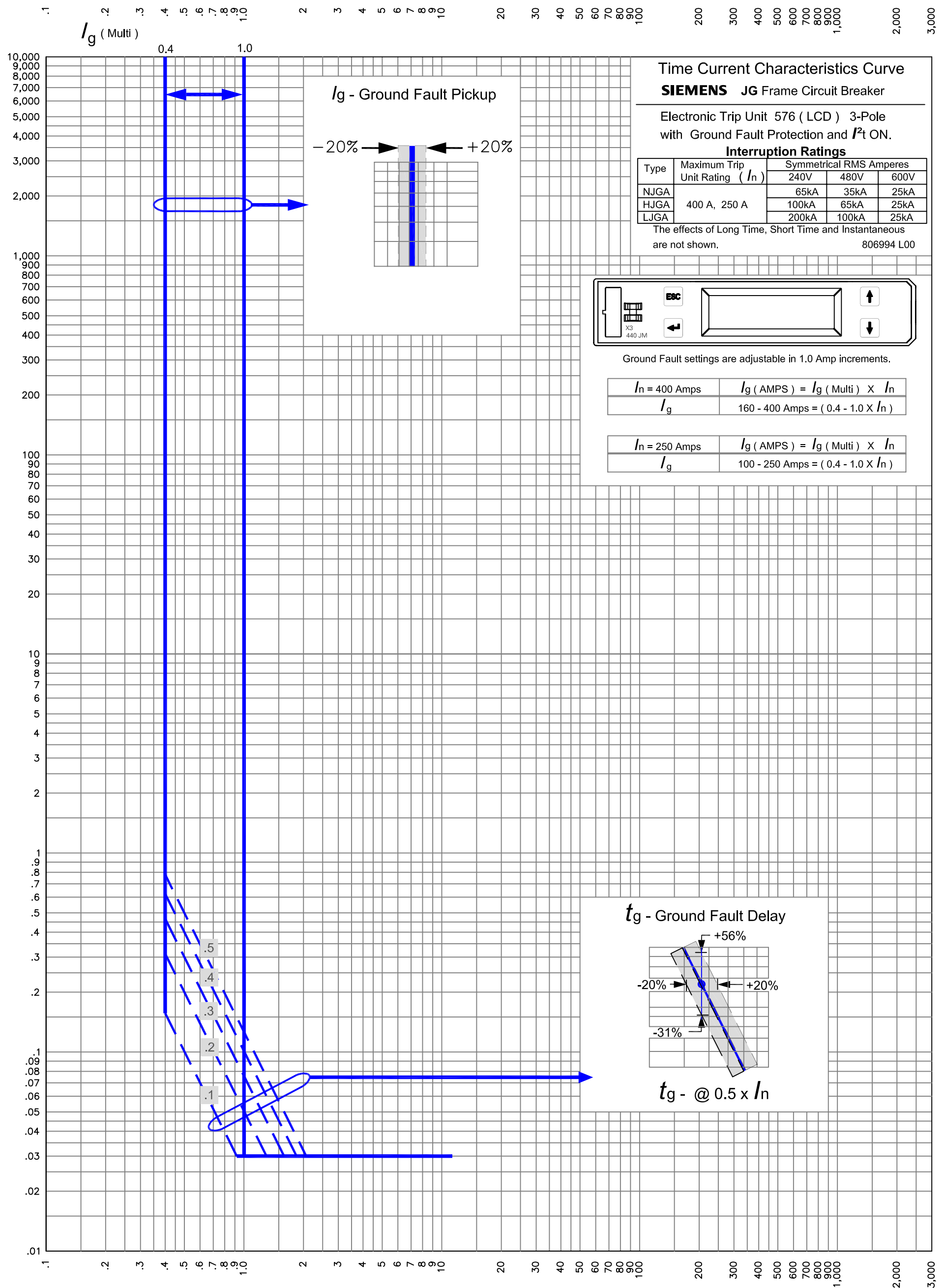
  

In = 250 Amps	
Ir	70 - 250 Amps = (.280 - 1.0 X In)
Isd	88 - 2500 Amps = (1.25 - 10 X Ir)
Ii	313 - 2750 Amps = (1.25 - 11 X In)

For Max. Interruption Rating, See table above.

t [ s ]

Time in Seconds



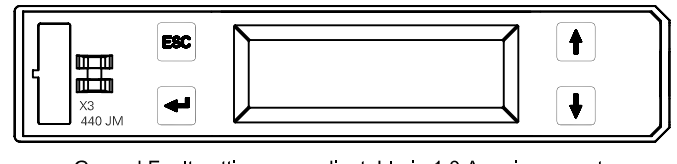
**Time Current Characteristics Curve**  
**SIEMENS JG Frame Circuit Breaker**

Electronic Trip Unit 576 ( LCD ) 3-Pole  
 with Ground Fault Protection and I<sup>2</sup>t ON.

**Interruption Ratings**

Type	Maximum Trip Unit Rating ( I <sub>n</sub> )	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 L00

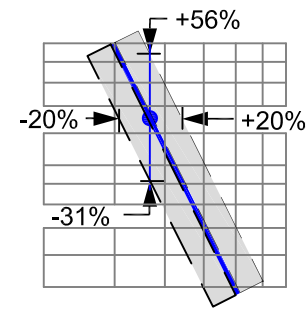


Ground Fault settings are adjustable in 1.0 Amp increments.

$I_n = 400 \text{ Amps}$	$I_g (\text{AMPS}) = I_g (\text{Multi}) \times I_n$
$I_g$	160 - 400 Amps = ( 0.4 - 1.0 X I <sub>n</sub> )

$I_n = 250 \text{ Amps}$	$I_g (\text{AMPS}) = I_g (\text{Multi}) \times I_n$
$I_g$	100 - 250 Amps = ( 0.4 - 1.0 X I <sub>n</sub> )

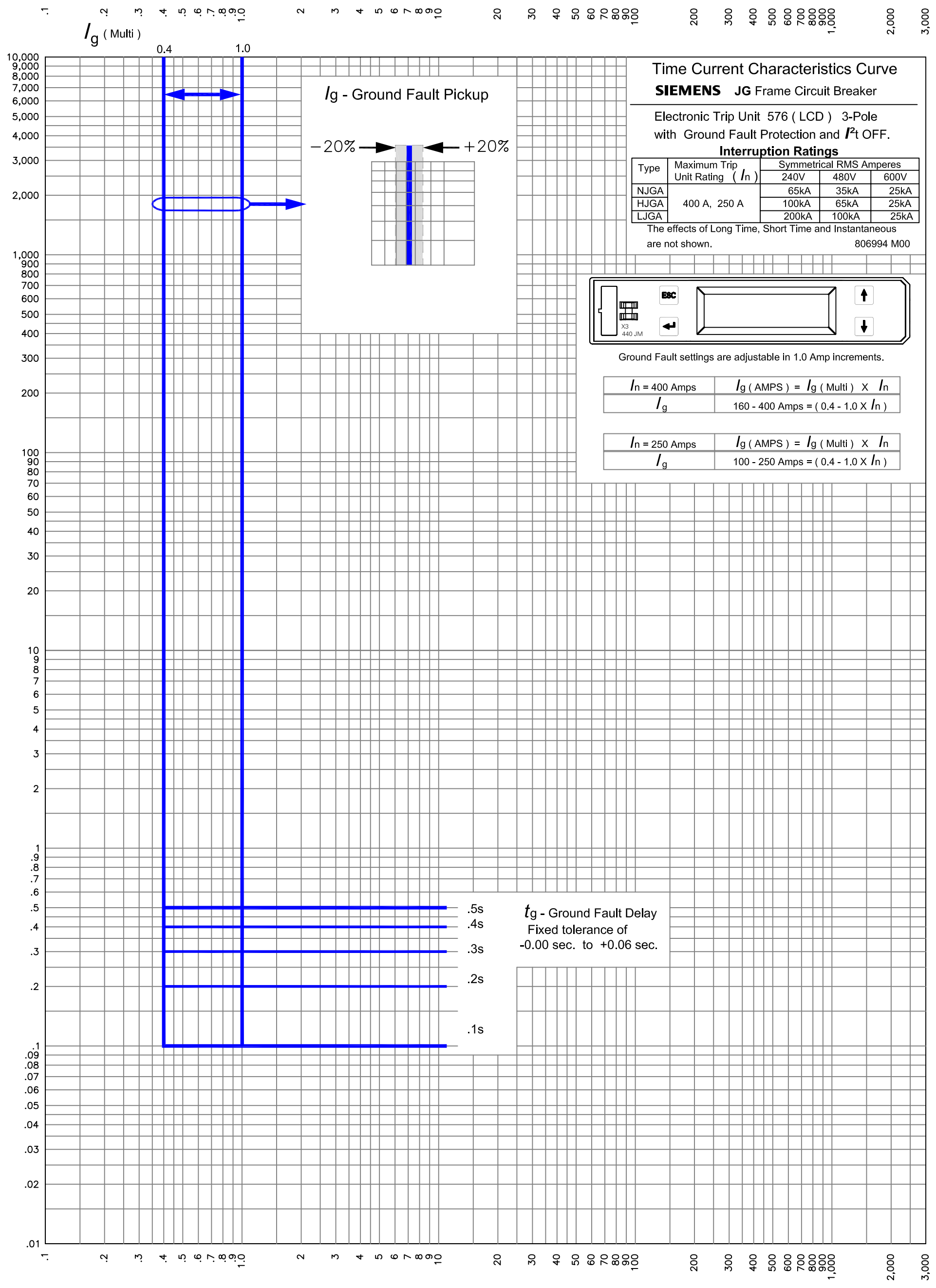
**t<sub>g</sub> - Ground Fault Delay**



t<sub>g</sub> - @ 0.5 x I<sub>n</sub>

t [s]

Time in Seconds



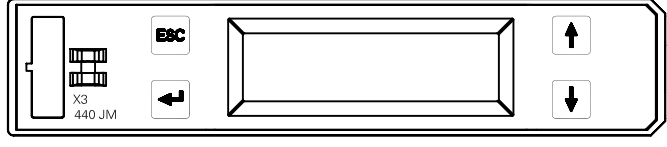
**Time Current Characteristics Curve**  
**SIEMENS JG Frame Circuit Breaker**

Electronic Trip Unit 576 ( LCD ) 3-Pole  
with Ground Fault Protection and  $I^2t$  OFF.

**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 M00



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  
Fixed tolerance of  
-0.00 sec. to +0.06 sec.