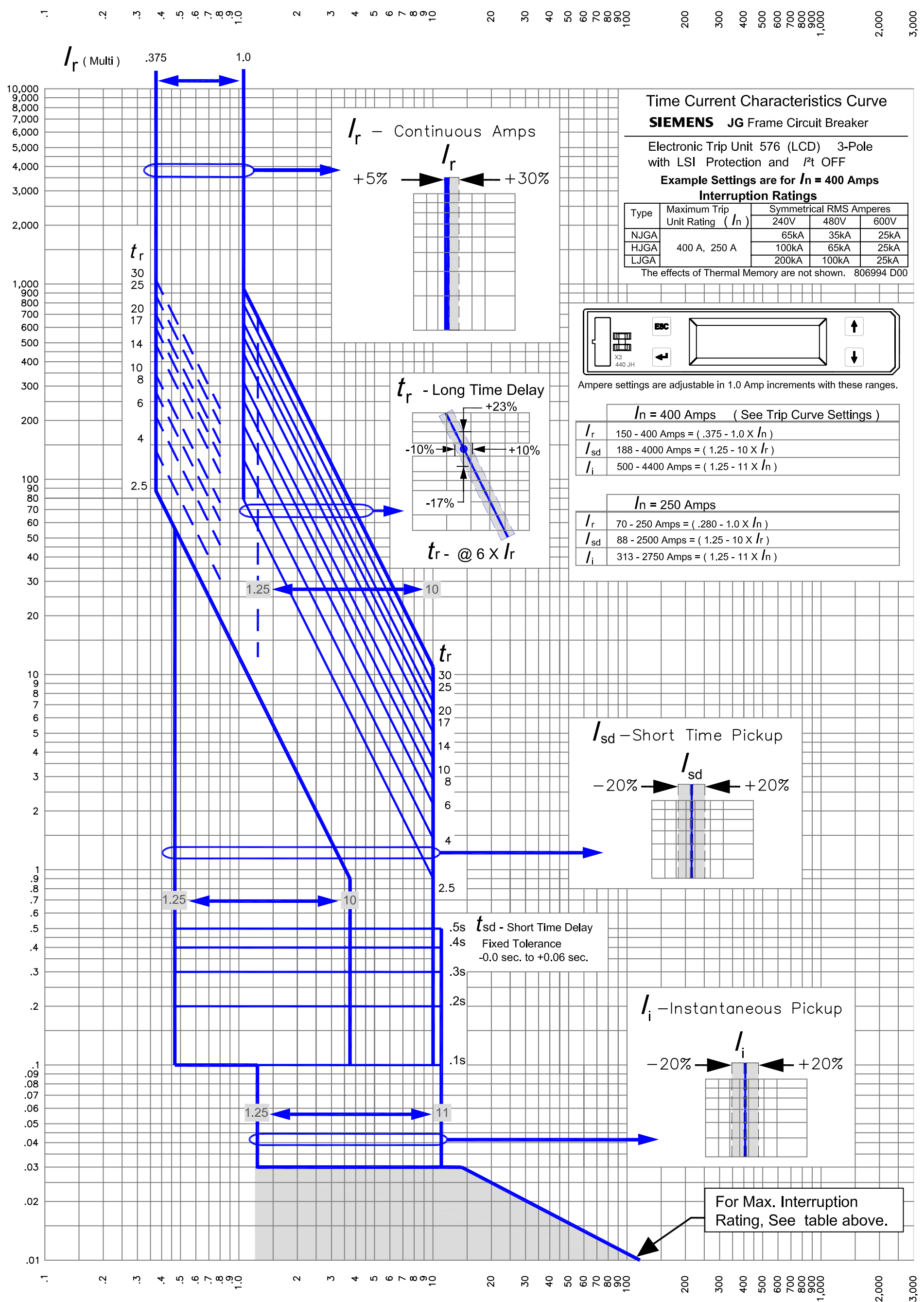


$t [s]$

Time in Seconds



Time Current Characteristics Curve
SIEMENS JG Frame Circuit Breaker

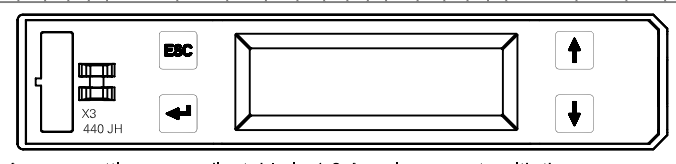
Electronic Trip Unit 576 (LCD) 3-Pole
 with LSI Protection and I²t OFF

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.

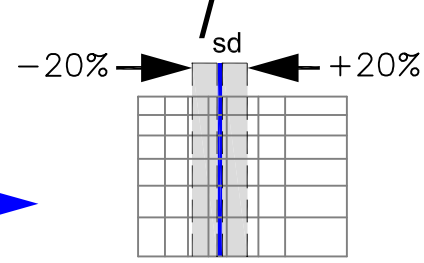
I_n = 400 Amps (See Trip Curve Settings)

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

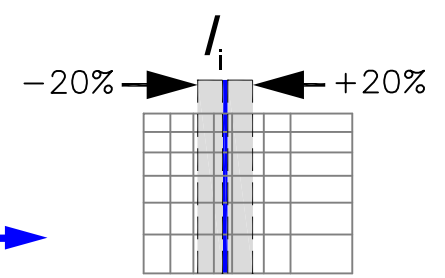
I _r	70 - 250 Amps = (.280 - 1.0 X I _n)
I _{sd}	88 - 2500 Amps = (1.25 - 10 X I _r)
I _i	313 - 2750 Amps = (1.25 - 11 X I _n)

I_{sd} - Short Time Pickup



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

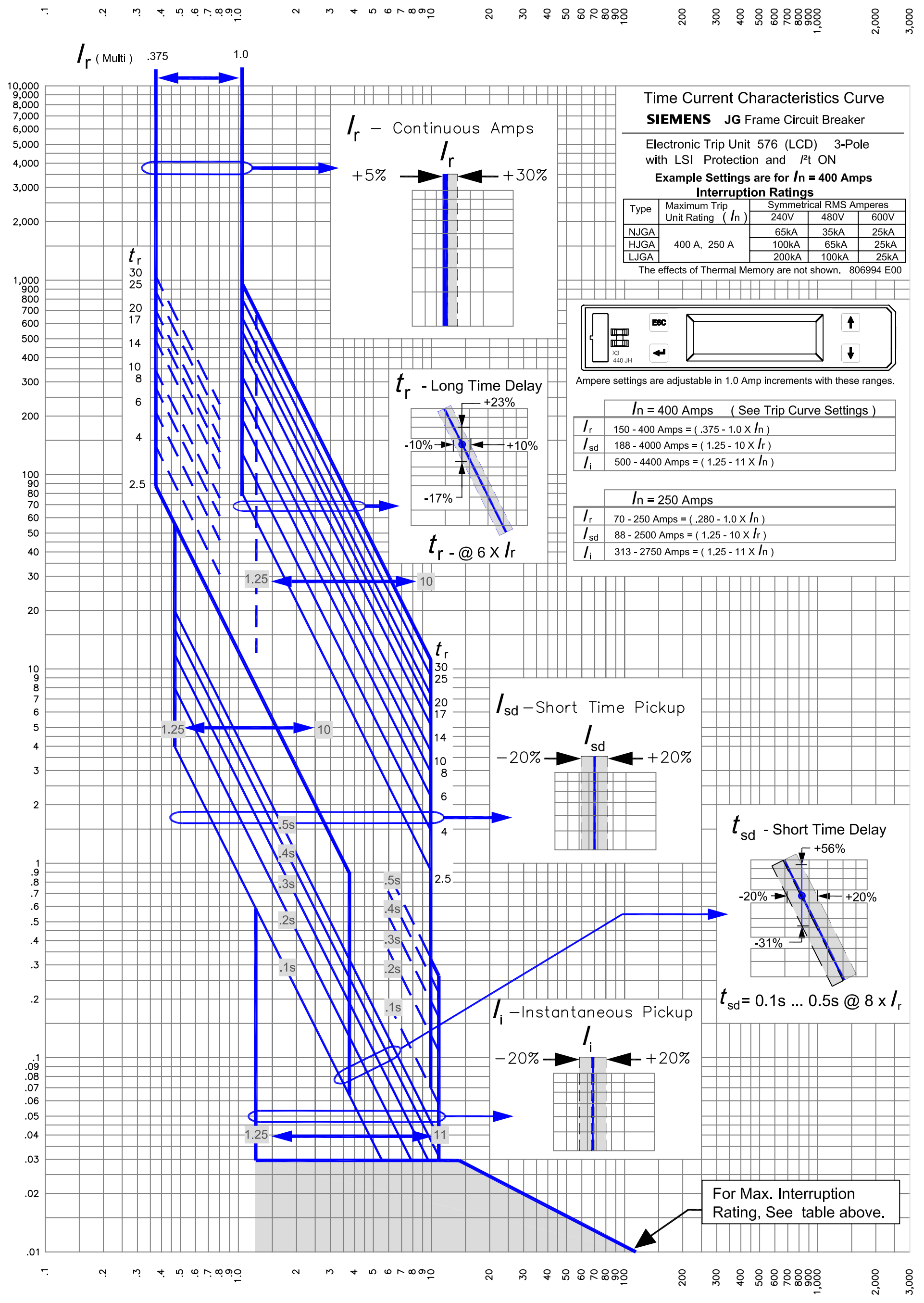
I_i - Instantaneous Pickup



For Max. Interruption Rating, See table above.

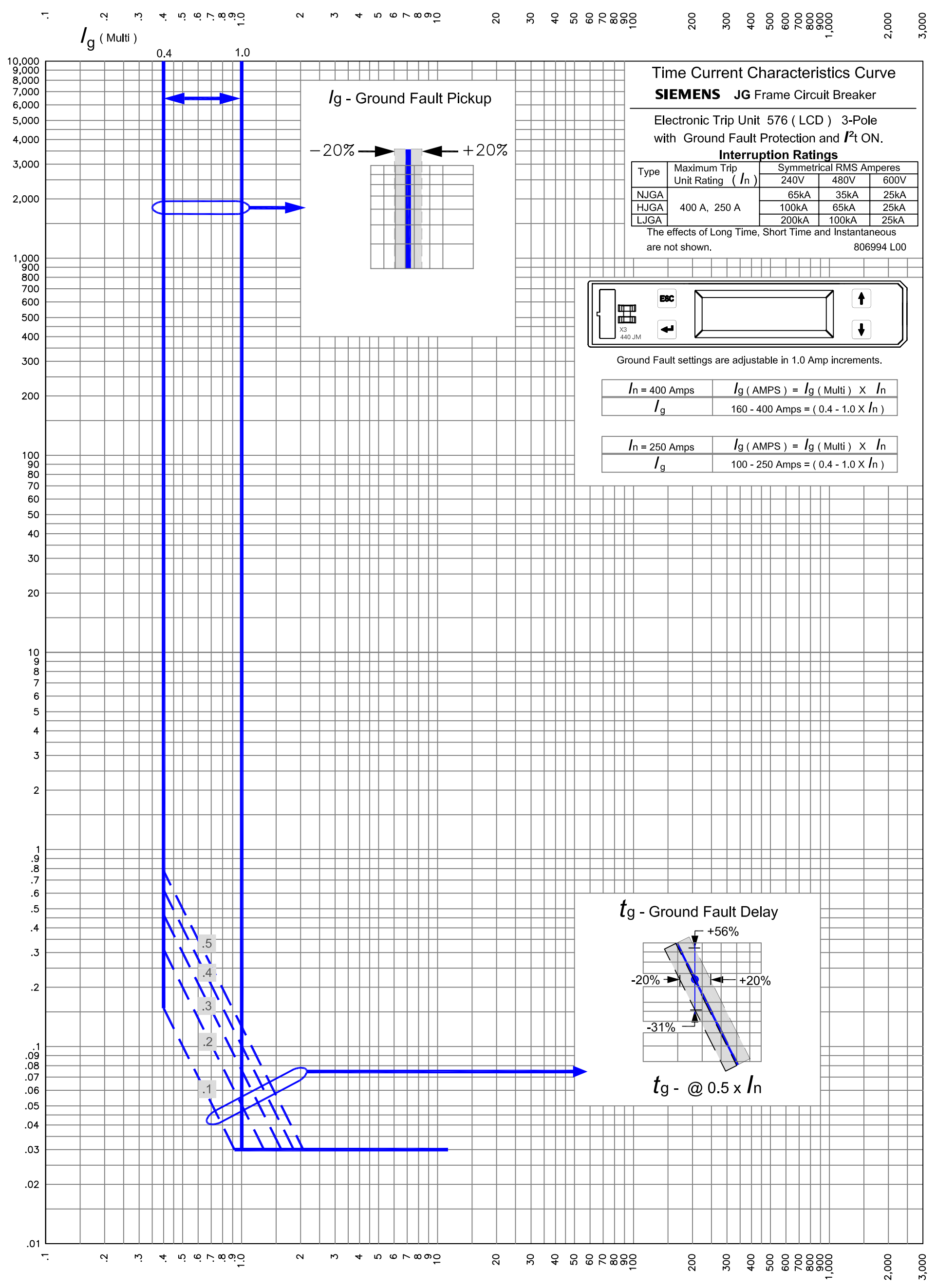
t [s]

Time in Seconds



t [s]

Time in Seconds



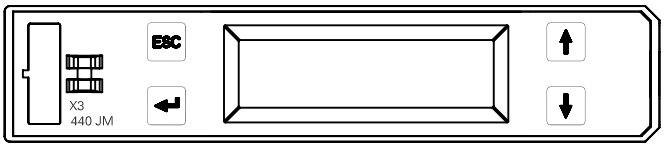
Time Current Characteristics Curve
SIEMENS JG Frame Circuit Breaker

Electronic Trip Unit 576 (LCD) 3-Pole
with Ground Fault Protection and I²t 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 L00

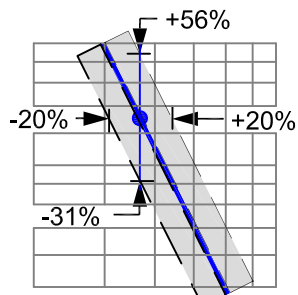


Ground Fault settings are adjustable in 1.0 Amp increments.

$I_n = 400 \text{ Amps}$	$I_g (\text{AMPS}) = I_g (\text{Multi}) \times I_n$
I_g	160 - 400 Amps = (0.4 - 1.0 X I _n)

$I_n = 250 \text{ Amps}$	$I_g (\text{AMPS}) = I_g (\text{Multi}) \times I_n$
I_g	100 - 250 Amps = (0.4 - 1.0 X I _n)

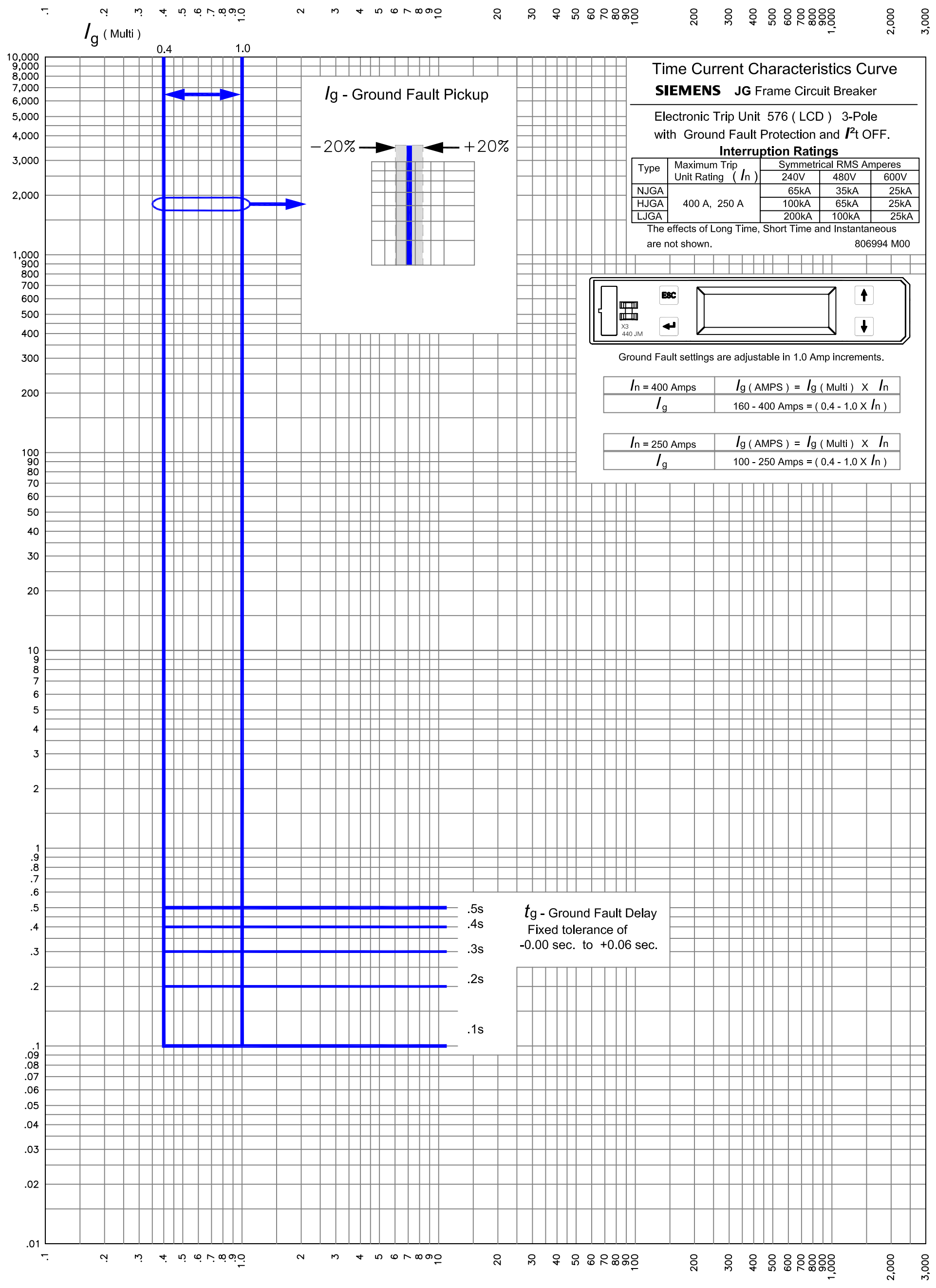
t_g - Ground Fault Delay



t_g - @ 0.5 x I_n

t [s]

Time in Seconds



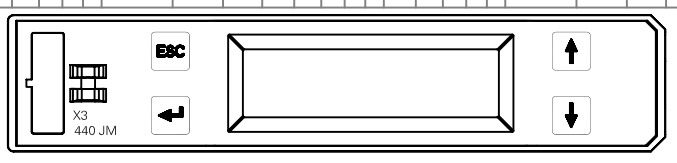
Time Current Characteristics Curve
SIEMENS JG Frame Circuit Breaker

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.