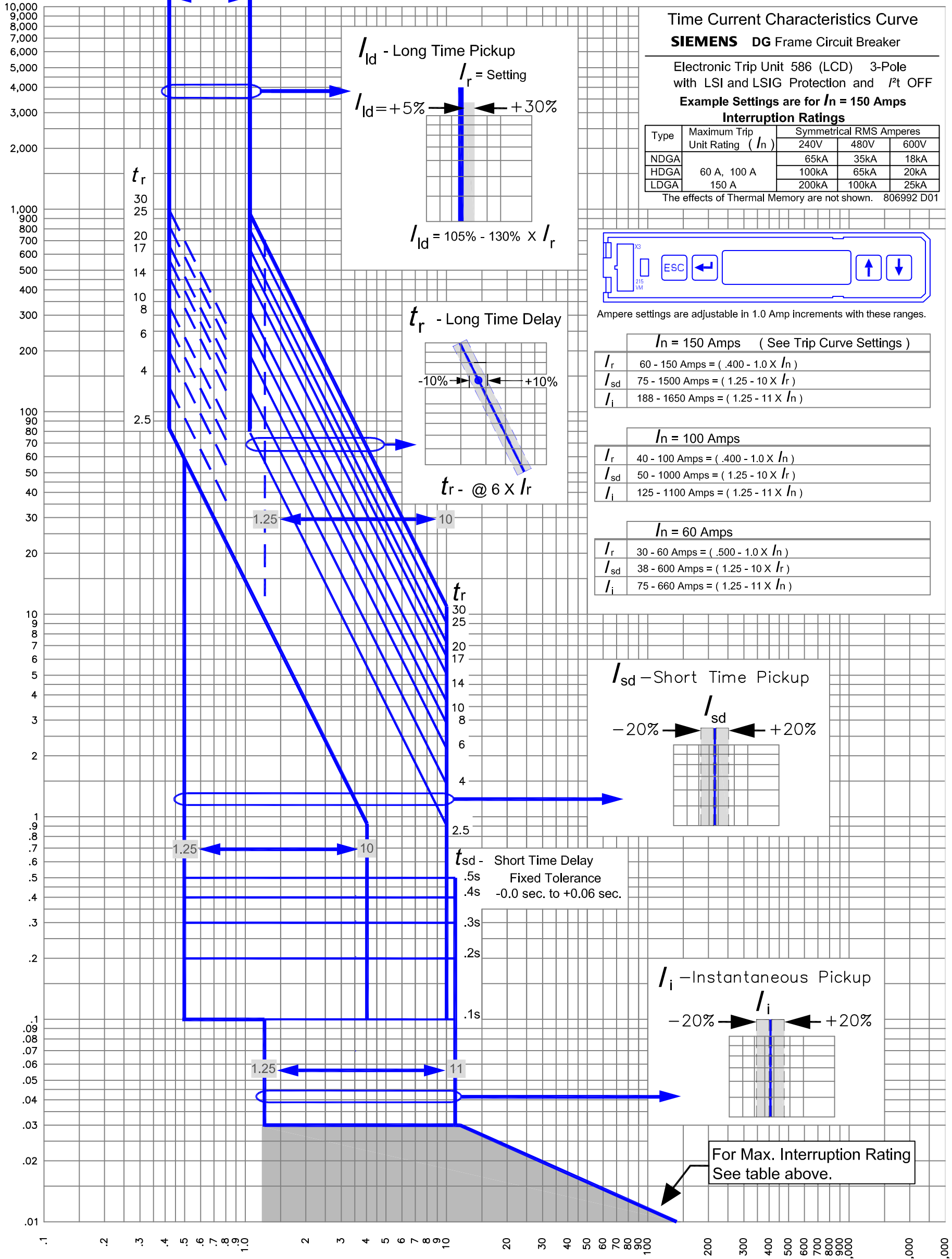


t [s]

Time in Seconds

Settings -  $I_r$  (Multi) .4 1.0



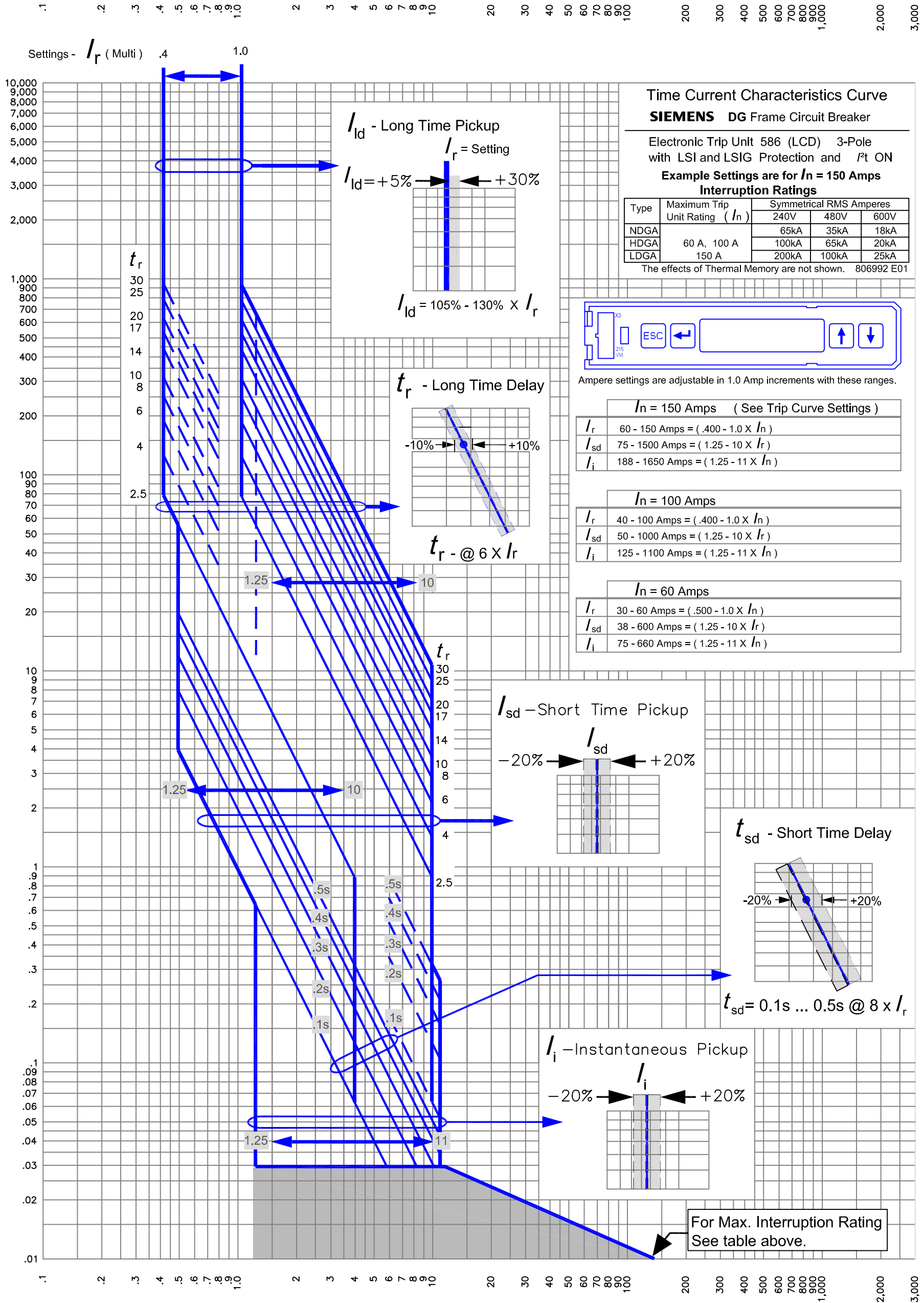
Ampere settings are adjustable in 1.0 Amp increments with these ranges.

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Multiples of Continuous Current Rating  $\times I_n$

t [s]

Time in Seconds

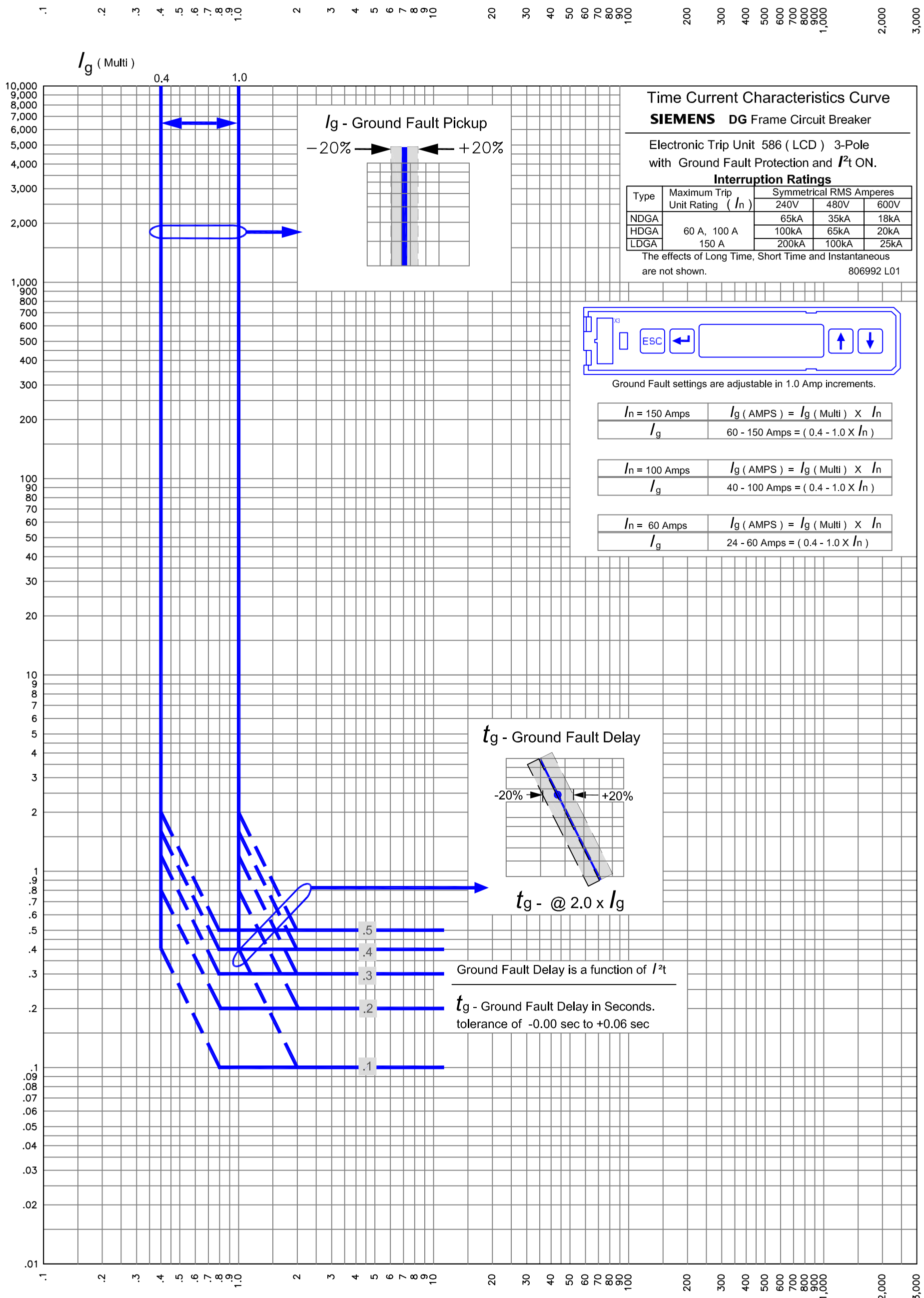


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Multiples of Continuous Current Rating  $\times I_n$

t [ s ]

Time in Seconds



**Time Current Characteristics Curve**  
**SIEMENS DG 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
NDGA		65kA	35kA	18kA
HDGA	60 A, 100 A	100kA	65kA	20kA
LDGA	150 A	200kA	100kA	25kA

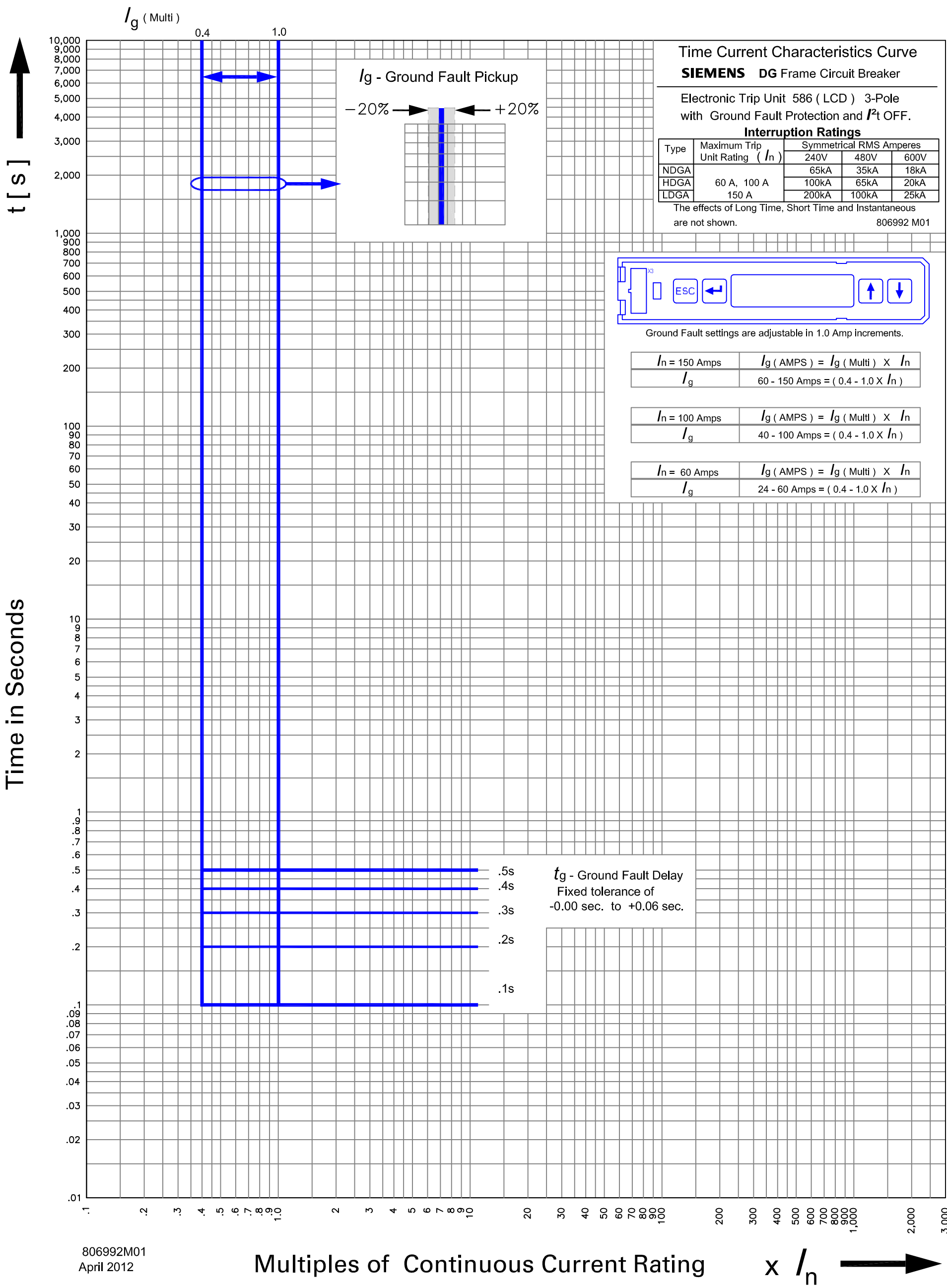
The effects of Long Time, Short Time and Instantaneous are not shown. 806992 L01



Ground Fault settings are adjustable in 1.0 Amp increments.

$I_n = 150$ Amps	$I_g$ ( AMPS ) = $I_g$ ( Multi ) $\times$ $I_n$
$I_g$	60 - 150 Amps = ( 0.4 - 1.0 $\times$ $I_n$ )
$I_n = 100$ Amps	$I_g$ ( AMPS ) = $I_g$ ( Multi ) $\times$ $I_n$
$I_g$	40 - 100 Amps = ( 0.4 - 1.0 $\times$ $I_n$ )
$I_n = 60$ Amps	$I_g$ ( AMPS ) = $I_g$ ( Multi ) $\times$ $I_n$
$I_g$	24 - 60 Amps = ( 0.4 - 1.0 $\times$ $I_n$ )

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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