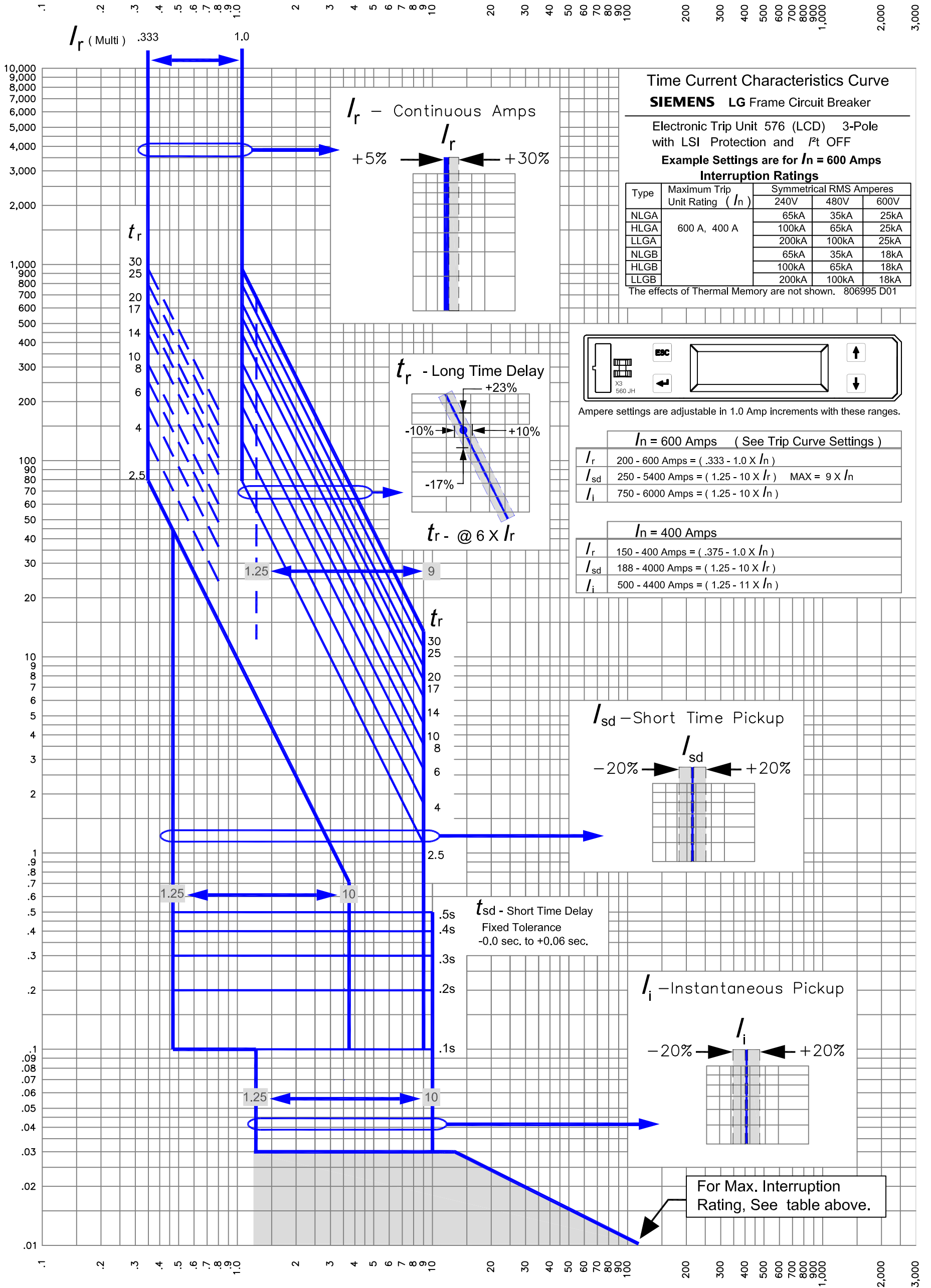


t [s]

Time in Seconds



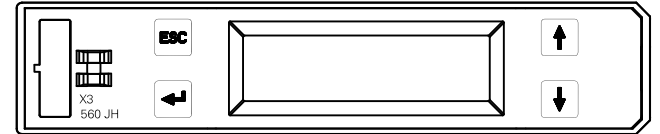
Time Current Characteristics Curve
SIEMENS LG Frame Circuit Breaker

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

Example Settings are for I_n = 600 Amps
Interruption Ratings

| Type | Maximum Trip Unit Rating (I _n) | Symmetrical RMS Amperes | | |
|------|--|-------------------------|-------|------|
| | | 240V | 480V | 600V |
| NLGA | 600 A, 400 A | 65kA | 35kA | 25kA |
| HLGA | | 100kA | 65kA | 25kA |
| LLGA | | 200kA | 100kA | 25kA |
| NLGB | | 65kA | 35kA | 18kA |
| HLGB | | 100kA | 65kA | 18kA |
| LLGB | | 200kA | 100kA | 18kA |

The effects of Thermal Memory are not shown. 806995 D01



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

I_n = 600 Amps (See Trip Curve Settings)

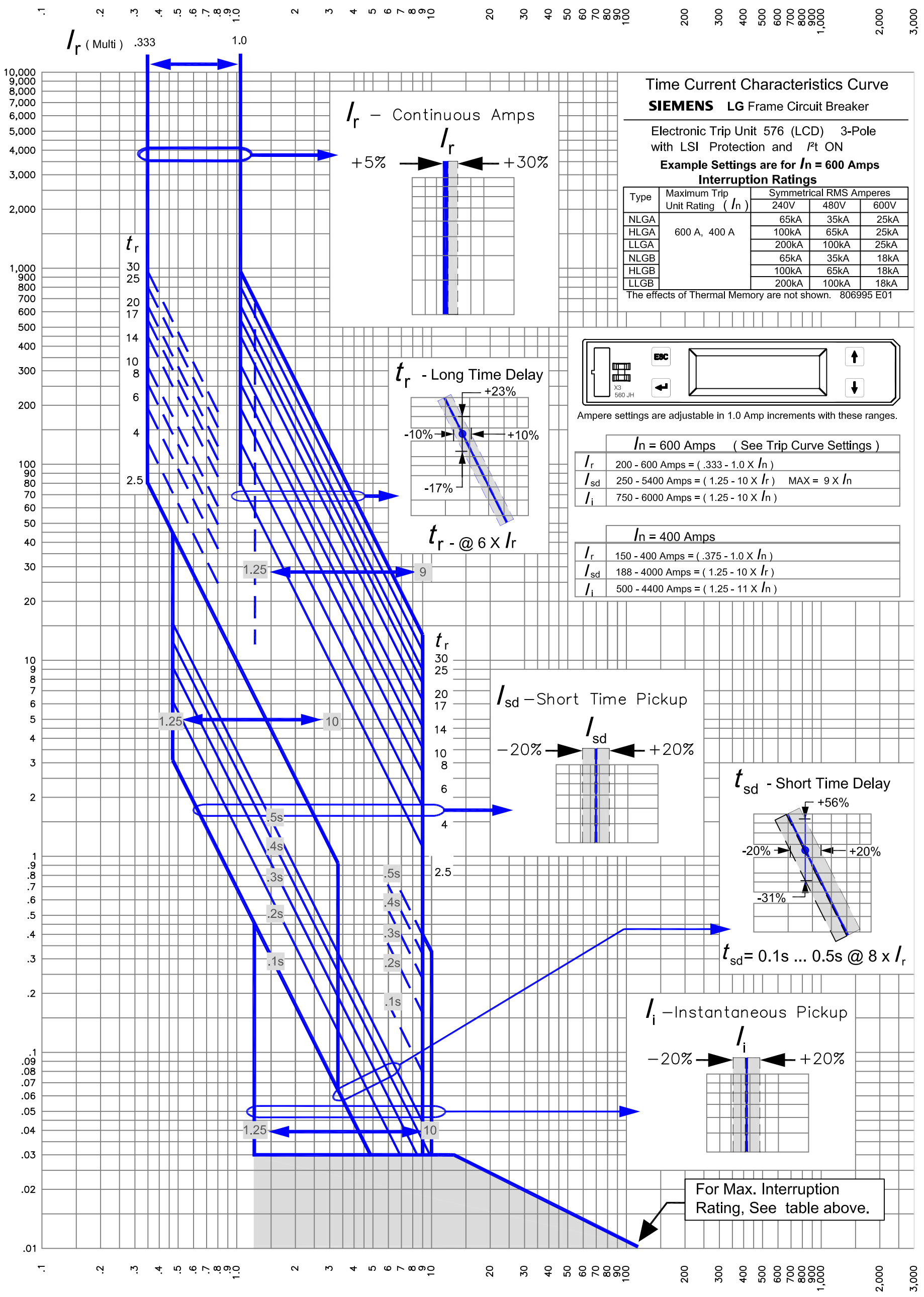
| | |
|-----------------|--|
| I _r | 200 - 600 Amps = (.333 - 1.0 X I _n) |
| I _{sd} | 250 - 5400 Amps = (1.25 - 10 X I _r) MAX = 9 X I _n |
| I _i | 750 - 6000 Amps = (1.25 - 10 X I _n) |

I_n = 400 Amps

| | |
|-----------------|---|
| 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) |

t [s]

Time in Seconds



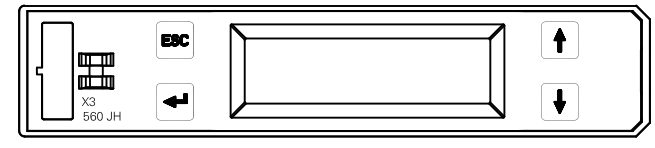
Time Current Characteristics Curve
SIEMENS LG Frame Circuit Breaker

Electronic Trip Unit 576 (LCD) 3-Pole
with LSI Protection and I^2t ON

Example Settings are for $I_n = 600$ Amps
Interruption Ratings

| Type | Maximum Trip Unit Rating (I_n) | Symmetrical RMS Amperes | | |
|------|------------------------------------|-------------------------|-------|------|
| | | 240V | 480V | 600V |
| NLGA | 600 A, 400 A | 65kA | 35kA | 25kA |
| HLGA | | 100kA | 65kA | 25kA |
| LLGA | | 200kA | 100kA | 25kA |
| NLGB | | 65kA | 35kA | 18kA |
| HLGB | | 100kA | 65kA | 18kA |
| LLGB | 200kA | 100kA | 18kA | |

The effects of Thermal Memory are not shown. 806995 E01



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

$I_n = 600$ Amps (See Trip Curve Settings)

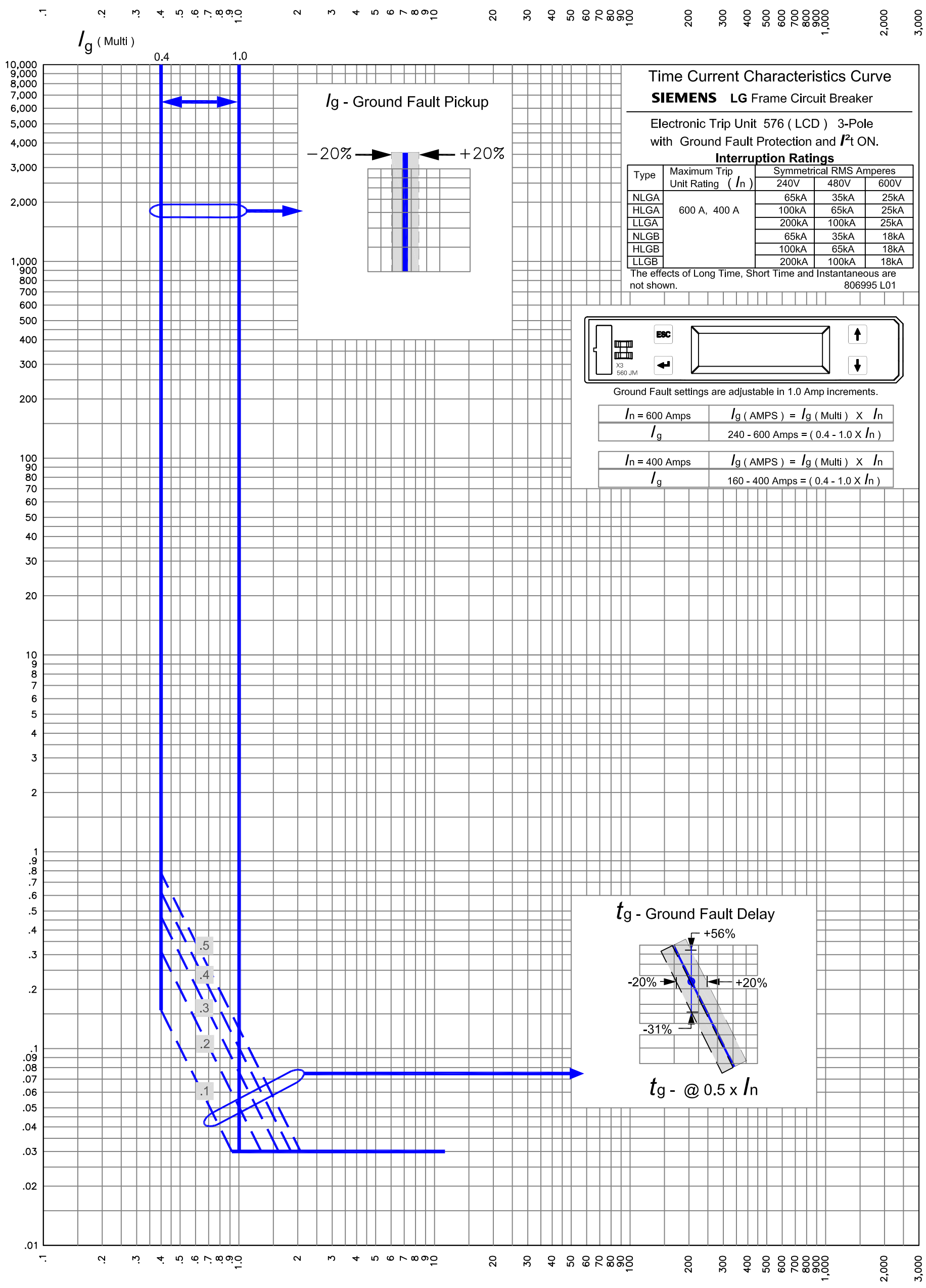
| | |
|----------|---|
| I_r | 200 - 600 Amps = (.333 - 1.0 X I_n) |
| I_{sd} | 250 - 5400 Amps = (1.25 - 10 X I_r) MAX = 9 X I_n |
| I_i | 750 - 6000 Amps = (1.25 - 10 X I_n) |

$I_n = 400$ Amps

| | |
|----------|---|
| 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) |

t [s]

Time in Seconds



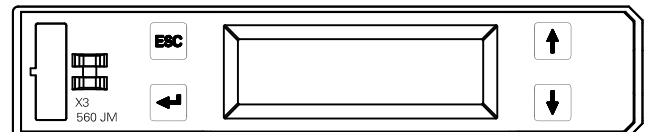
Time Current Characteristics Curve
SIEMENS LG Frame Circuit Breaker

Electronic Trip Unit 576 (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 |
| NLGA | 600 A, 400 A | 65kA | 35kA | 25kA |
| HLGA | | 100kA | 65kA | 25kA |
| LLGA | | 200kA | 100kA | 25kA |
| NLGB | | 65kA | 35kA | 18kA |
| HLGB | | 100kA | 65kA | 18kA |
| LLGB | | 200kA | 100kA | 18kA |

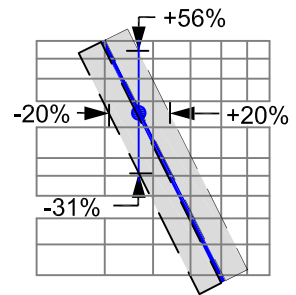
The effects of Long Time, Short Time and Instantaneous are not shown. 806995 L01



Ground Fault settings are adjustable in 1.0 Amp increments.

| | |
|------------------|---|
| $I_n = 600$ Amps | I_g (AMPS) = I_g (Multi) $\times I_n$ |
| I_g | 240 - 600 Amps = (0.4 - 1.0 $\times I_n$) |
| $I_n = 400$ Amps | I_g (AMPS) = I_g (Multi) $\times I_n$ |
| I_g | 160 - 400 Amps = (0.4 - 1.0 $\times I_n$) |

t_g - Ground Fault Delay



t_g - @ $0.5 \times I_n$

t [s]

Time in Seconds

