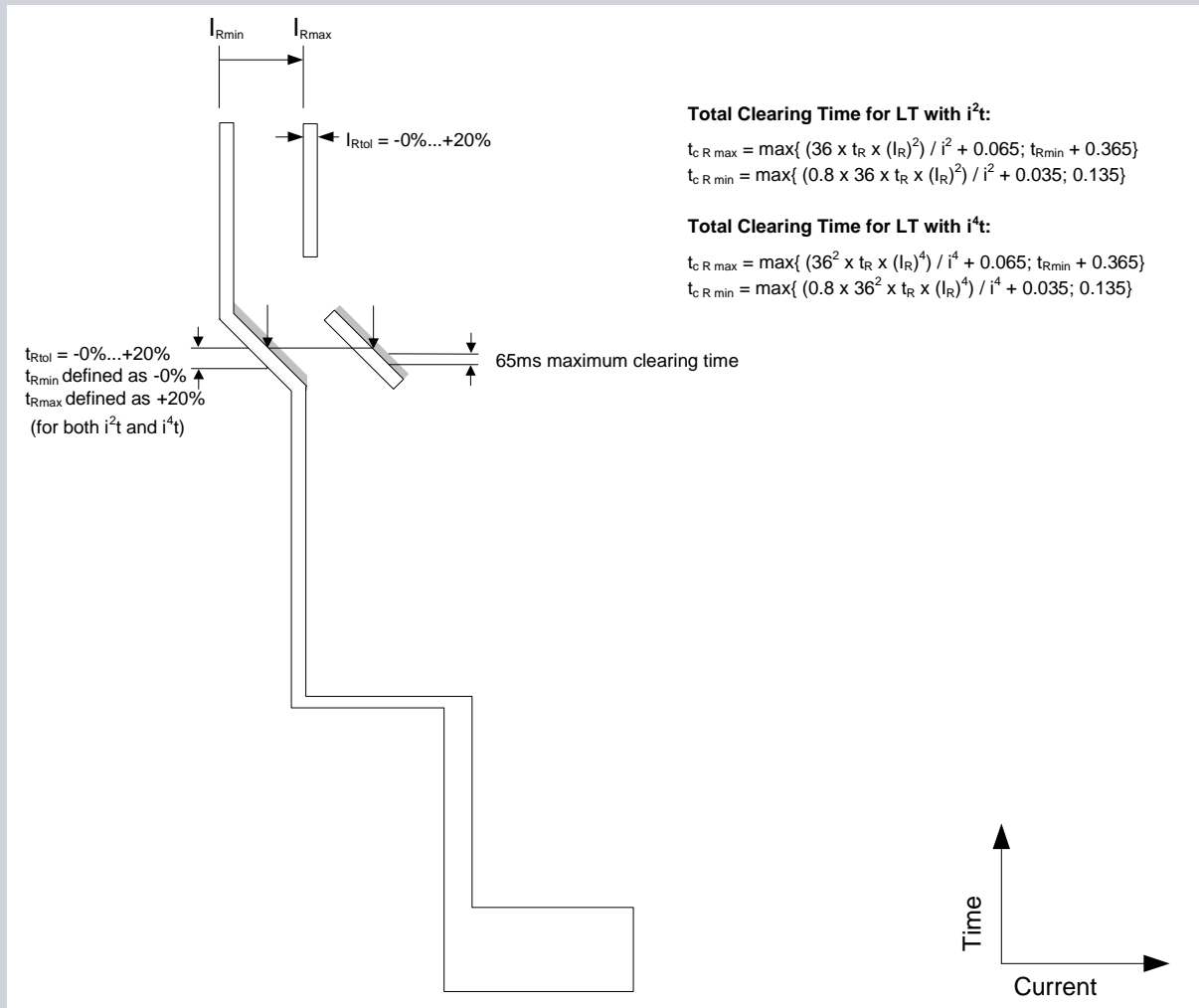


Long Time Tripping Characteristic



ETU 725 – 748 LT Pickup Settings:

$$I_R = I_n \times []$$

where [] = 0.4, 0.45, 0.5, 0.55, 0.6, 0.65, 0.7, 0.8, 0.9, or 1.0

ETU 755 – 776 LT Pickup Settings:

$$I_R = 40\% - 100\% \text{ of } I_n$$

Via ETU Keypad:

Below 1000A: 10 ampere steps
 1000A – 1600A: 50 ampere steps
 1600A – 6000A: 100 ampere steps

Via WLBD, MODBUS, or PROFIBUS:

1 ampere steps

ETU 725 – 727 LT Delay Settings:

$$i^2t = 10 \text{ seconds}$$

$$i^4t = n/a$$

ETU 745 – 748 LT Delay Settings:

$$i^2t = 2, 3.5, 5.5, 8, 10, 14, 17, 21, 25, \text{ or } 30 \text{ seconds}$$

$$i^4t = 1, 2, 3, 4, \text{ or } 5 \text{ seconds}$$

ETU 755 – 776 LT Delay Settings:

$$i^2t = 2 - 30 \text{ seconds; } 0.1 \text{ second steps}$$

$$i^4t = 1 - 5 \text{ seconds; } 0.1 \text{ second steps}$$

Siemens Type WL Low Voltage Power Circuit Breakers[®]

Intelligent Power Control, Monitoring, and Protection

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Abbreviations / Definitions

i	Actual current (amperes)
I_n	Continuous current rating, as defined by the rating plug (amperes)
I_R	Long time pickup setting (amperes)
I_{Rmax}	Maximum long time pickup setting (amperes)
I_{Rmin}	Minimum long time pickup setting (amperes)
I_{Rtol}	Tolerance band for the long time pickup setting (%)
t_{cRmax}	Maximum total clearing time at rated voltage (seconds)
t_{cRmin}	Minimum total clearing time at rated current (seconds)
Total Clearing Time	Elapsed time from the initiating point of an overcurrent event, until the final circuit interruption, at maximum rated voltage (seconds).
t_R	Long time delay at $[6 \times I_n]$ (seconds)
t_{Rmax}	Maximum long time delay (seconds)
t_{Rmin}	Minimum long time delay (seconds)
t_{Rtol}	Tolerance band for the long time delay setting (%)

The information provided in this brochure contains merely general descriptions of characteristics of performance which in case of actual use do not always apply as described or which may change as a result of further development of the products. An obligation to provide the respective characteristics shall only exist if expressly agreed in the terms of contract.

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Siemens Industry Infrastructure and Cities Sector

5400 Triangle Parkway
Norcross, GA 30092

1-800-241-4453
info.us@siemens.com

www.usa.siemens.com/circuitbreakers