







Minimum Tripping Time-Current Characteristic Curves

600 700 800 900 1000 CURRENT IN AMPERES 2000

3000 4000 5000

Vista® Overcurrent Control-Tap Fault Interrupter-S&C Standard Speed (For Use In Place Of Conventional "-E" Rated Power Fuses)

BASIS-The minimum tripping time-current characteristic curves shownabove are applicable to both 50-Hz and 60-Hz systems. In addition, these curves are applicable over the entire S&C Vista Underground Distribution Switchgear operating temperature range of -40° C to $+40^{\circ}$ C (-40° F to +104°F). No adjustments need to be made to these curves for ambient temperatures within this temperature range.

20

30 40 50

60 70 80 90 2

200

300 400 500

TOLERANCES-Curves are plotted to minimum test points. Maximum variations are plus 10% expressed in terms of current, plus 20% expressed in terms of time, or plus 6 milliseconds (60-Hz systems) or plus 10 milliseconds (50-Hz systems), whichever is greater.

APPLICATION-The maximum continuous current-carrying capability of Vista Underground Distribution Switchgear is 1200 amperes. The overcurrent control is capable of sensing current in the range of 50 to 25,000 amperes RMS.

The minimum tripping time-current characteristic curves shown above are used in conjunction with fault interrupters feeding underground distribution subloop taps. These curves have been specifically designed to match the minimum melting characteristics of conventional "-E" rated power fuses.

Because the time-current characteristics are electronically derived, they are not subject to change due to aging, transient overcurrents, or fault currents. It is, therefore, only necessary to reset the fault interrupters following a fault-clearing operation.

CONTROL SETTINGS– Curves are set using a laptop computer.

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30 000

40 000 50 000

6000 7000 9000 9000



1000 900

800

700

600 500

400

300

200

100 90

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70

60

50

40

30

20

10

9 8

7 6

5

4 3

2

.9 .8

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.6

.01

5 6 7 8 9 10

TIME IN SECONDS

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TCC Number 680-9

. 1000 900

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100 90

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60 000 70 000 80 000 90 000

TIME IN SECONDS