Reclosers
Types PWE, PWVE, RE, RVE, RXE, SWE, SWVE, VWE, VWVE, WE, WVE—Time-Current Curves

Phase Trip—Socket No. 1 Plugs
Recloser Clearing Time
Curves A: Maximum clearing time for one opening, variations negative
Curves N & R: Average clearing time for one opening, variations ±10% or ±0.01 second whichever is greater
Tests conducted at 25 °C

CURRENT (percent of minimum trip)

TIME (cycles 60-hertz basis)

TIME (sec)

A) TCC-430  N) TCC-492
R) TCC-431  R) TCC-495

(RE, RVE, RXE, only)
Phase Trip—Socket No. 2 Plugs
Recloser Clearing Time

Curves B, C, D, & E: Average clearing time for one opening, variations ±10% or ±0.01 second whichever is greater
Tests conducted at 25°C

Cooper Power Systems

Reference Data

Reclosers
Types RE, RVE, RXE Only
Time-Current Curves

R280-91-26

TCC-431
August 1980 Supersedes 12/78
Reclosers
Types PWE, PWVE, SWE, SWVE, VWE, VWVE, WE, WVE Only—Time-Current Curves

Phase Trip—Socket No. 2 Plugs
Recloser Clearing Time

Curves B, C, D, & E: Average clearing time for one opening, variations ±10% or ±0.01 second whichever is greater
Tests conducted at 25 C

TCC-430
August 1980  Supersedes 12/78
Reclosers

Types PWE, PWVE, RE, RVE, RXE, SWE, SWVE, VWE, VWVE, WE, WVE—Time-Current Curves

R280-91-26

Phase Trip—Socket No. 2 Plugs
Recloser Clearing Time

Curves L, M, P, T, & W: Average clearing time for one opening; variations ±10% or ±.01 second whichever is greater
Curve L: Maximum clearing time beyond 850%, minimum trip;
P beyond 1200%
Tests conducted at 25°C

Approx. 110% Min Trip for Plug T
Phase Trip—Socket No. 2 Plugs
Reclouser Clearing Time
Curves V, Y, & Z: Average clearing time for one opening; variations ± 10% or ± .01 second whichever is greater
Tests conducted at 25°C
Reclosers
Types PWE, PWVE, RE, RVE, RXE, SWE, SWVE, VWE, VWVE, WE, WVE—Time-Current Curves

Phase Trip—Socket No. 2 Plugs
Recloser Clearing Time

Curves F & J: Average clearing time for one opening; variations ± 10% or ± 0.01 second whichever is greater
Tests conducted at 25°C

Approx. 160% Min Trip for Plug J
Approx. 130% Min Trip for Plug F

TCC-495
August 1980  Supersedes 12/78
Reclosers
Types PWE, PWVE, RE, RVE, RXE, SWE, SWVE, VWE, VWVE, WE, VWE—Time-Current Curves

Phase Trip—Socket No. 2 Plugs
Recloser Clearing Time

Curve K: Average clearing time for one opening; variations ±10% or ±0.01 second whichever is greater
Tests conducted at 25°C

Approx. 108% Min Trip for Plug K

TIME (sec)
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0
50 100 150 200 250 300 350 400 450 500
600 700 800 900 1000 1100 1200 1300 1400 1500
1600 1700 1800 1900 2000 2100 2200 2300 2400 2500
2600 2700 2800 2900 3000 3100 3200 3300 3400 3500
3600

CURRENT (percent of minimum trip)
0.01 0.02 0.03 0.04 0.05 0.06 0.07 0.08 0.09 0.1
0.12 0.14 0.16 0.18 0.2 0.22 0.24 0.26 0.28 0.3
0.32 0.34 0.36 0.38 0.4 0.42 0.44 0.46 0.48 0.5
0.52 0.54 0.56 0.58 0.6 0.62 0.64 0.66 0.68 0.7
0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7
1.8 1.9 2.0 2.1 2.2 2.3 2.4 2.5 2.6 2.7
2.8 2.9 3.0 3.1 3.2 3.3 3.4 3.5 3.6 3.7
3.8 3.9 4.0 4.1 4.2 4.3 4.4 4.5 4.6 4.7
4.8 4.9 5.0 5.1 5.2 5.3 5.4 5.5 5.6 5.7
5.8 5.9 6.0 6.1 6.2 6.3 6.4 6.5 6.6 6.7
6.8 6.9 7.0 7.1 7.2 7.3 7.4 7.5 7.6 7.7
7.8 7.9 8.0 8.1 8.2 8.3 8.4 8.5 8.6 8.7
8.8 8.9 9.0 9.1 9.2 9.3 9.4 9.5 9.6 9.7
9.8 9.9 10.0
Reclosers
Types PWE, PWVE, RE, RVE, RXE, SWE, SWVE, VWE, VWVE, WE, WVE—Time-Current Curves

Ground Trip—Socket No. 1 Plugs
Recloser Clearing Time

Curve 8: Plug 8 in socket No. 1, plugs 7, 9, or 11 in socket No. 2
Curve 8*: Plug 8 in socket No. 1, plugs 2 or 3 in socket No. 2
Curve 8†: Plug 8 in socket No. 1, plugs 5, 6, K, or 13 in socket No. 2
Curve 1: Maximum clearing time for one opening, variations negative
Curve 4: Average clearing time for one opening; variations ±10% or ±0.01 second whichever is greater
Curve 4: Maximum clearing time beyond 600% minimum trip
Curve 8: Average clearing time for one opening; variations ±15% or ±0.01 second whichever is greater
Curve 8*: Maximum clearing time beyond 3700% minimum trip;
Curve 8† beyond 2800%
Tests are conducted at 25 C
Ground Trip—Socket No. 1 Plug
Recloser Clearing Time

Curve 17: Average clearing time for one opening; variations ±10% or ±0.01 second whichever is greater

Curve 17: Maximum clearing time beyond 1250% minimum trip
Tests are conducted at 25°C
Reclosers
Types PWE, PWVE, RE, RVE, RXE, SWE, SWVE, VWE, VWVE, WE, WVE—Time-Current Curves

Ground Trip—Socket No. 2 Plugs
Recloser Clearing Time

Curves 2, 3, 8, 14, & 15: Average clearing time for one opening; variations ± 10%
or ± 0.01 second whichever is greater
Tests conducted at 25°C
Reclosers
Types PWE, PWVE, RE, RVE, RXE, SWE, SWVE, VWE, VWVE, WE, WVE—Time-Current Curves

R280-91-26

Ground Trip—Socket No. 2 Plugs
Recloser Clearing Time

Curves 7, 9, & 11: Average clearing time for one opening, variations ±15%
Curve 18: Average clearing time for one opening, variations ±10%
or ±0.01 second whichever is greater
Test conducted at 25°C

August 1980    Supersedes 12/78
Reclosers
Types PWE, PWVE, RE, RVE, RXE, SWE, SWVE, VWE, VVVE, WE, WVE—Time-Current Curves

Ground Trip—Socket No. 2 Plugs
Recloser Clearing Time

Curves 5, 6, & 13: Average clearing time for one opening; variation ±10%
or ±0.01 second whichever is greater
Curve 5: Maximum clearing time beyond 1100% minimum trip;
curve 6 beyond 1300%;
curve 13 beyond 5200%
Test conducted at 25°C

TCC-486
CURRENT (percent of minimum trip)

August 1980 Supersedes 12/78
Reclosers
Types PWE, PWVE, RE, RVE, RXE, SWE, SWVE, VWE, VVVE, WE, WVE—Time-Current Curves

Ground Trip—Socket No. 2 Plugs
Recloser Clearing Time

Curves K & 16: Average clearing time for one opening; variations ±10% or ±0.1 second whichever is greater
Curve 16: Maximum clearing time beyond 4000% minimum trip; curve K beyond 5000%
Tests are conducted at 25°C

Approx. 160% Min Trip for Plug K

CURRENT (percent of minimum trip)
TIME (sec)
TIME [cycles (60-hertz basis)]