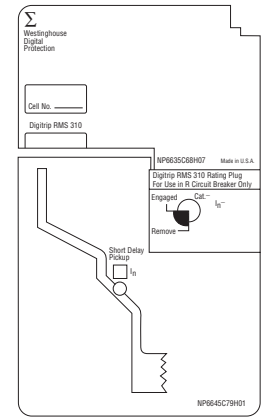


Circuit Breaker Time/Current Curves (Phase Current) ④

Series C® R-Frame Circuit Breakers
Equipped With Type Digitrip RMS 310 Trip Units

Typical Trip Unit Nameplate



For use with Trip Unit Catalog Numbers

| 1600A Max. | 2000A Max. | 2500A Max. |
|------------|------------|------------|
| RES1600LS | RES2000LS | RES2500LS |
| RES1600LSG | RES2000LSG | RES2500LSG |
| RES1600LS | RES2000LS | RES2500LS |

| Frame Rating Amperes (Max.) | Available Rating Plugs Ampere Rating (I_n) | Type | Catalog Number | Short Delay Pickup Range Amperes | |
|-----------------------------|--|-------|-------------------------|----------------------------------|------------|
| 1600 | 1600 | Fixed | 16RES16T | 3200-12800 | |
| | 1400 | Fixed | 16RES14T | 2800-11200 | |
| | 1250 | Fixed | 16RES125T ^⑤ | 2500-10000 | |
| | 1200 | Fixed | 16RES12T | 2400-9600 | |
| | 1000 | Fixed | 16RES10T | 2000-8000 | |
| | 800 | Fixed | 16RES08T | 1600-6400 | |
| | 800, 1000, 1200, 1600 | Adj. | A16RES16T1 | 1600-12800 | |
| | 800, 1000, 1250, 1600 | Adj. | A16RES16T2 ^⑤ | 1600-12800 | |
| | 2000 | 2000 | Fixed | 20RES20T | 4000-16000 |
| | | 1600 | Fixed | 20RES16T | 3200-12800 |
| 1400 | | Fixed | 20RES14T | 2800-11200 | |
| 1250 | | Fixed | 20RES125T ^⑤ | 2500-10000 | |
| 1200 | | Fixed | 20RES12T | 2400-9600 | |
| 1000 | | Fixed | 20RES10T | 2000-8000 | |
| 1000, 1200, 1600, 2000 | | Adj. | A20RES20T1 | 2000-16000 | |
| 1000, 1250, 1600, 2000 | | Adj. | A20RES20T2 ^⑤ | 2000-16000 | |
| 2500 | | 2500 | Fixed | 25RES25T | 5000-15000 |
| | | 2000 | Fixed | 25RES20T | 4000-12000 |
| | 1600 | Fixed | 25RES16T | 3200-9600 | |
| | 1250 | Fixed | 25RES125T ^⑤ | 2500-7500 | |
| | 1200 | Fixed | 25RES12T | 2400-7200 | |
| | 1200, 1600, 2000, 2500 | Adj. | A25RES25T1 | 24000-15000 | |
| | 1250, 1600, 2000, 2500 | Adj. | A25RES25T2 ^⑤ | 2500-15000 | |

Interrupting Ratings – 50/60 Hz
RMS Sym. Amperes (kA)

| Breaker Type | UL/CSA | | | IEC 947-2 | | (I_{cu}) |
|--------------|--------|------|------|-----------|----------|------------|
| | 240V | 480V | 600V | 220-240V | 380-415V | 500V |
| RD, CRD | 125 | 65 | 50 | 125 | 65 | 42 |
| RDC, CRDC | 200 | 100 | 65 | 200 | 100 | 65 |

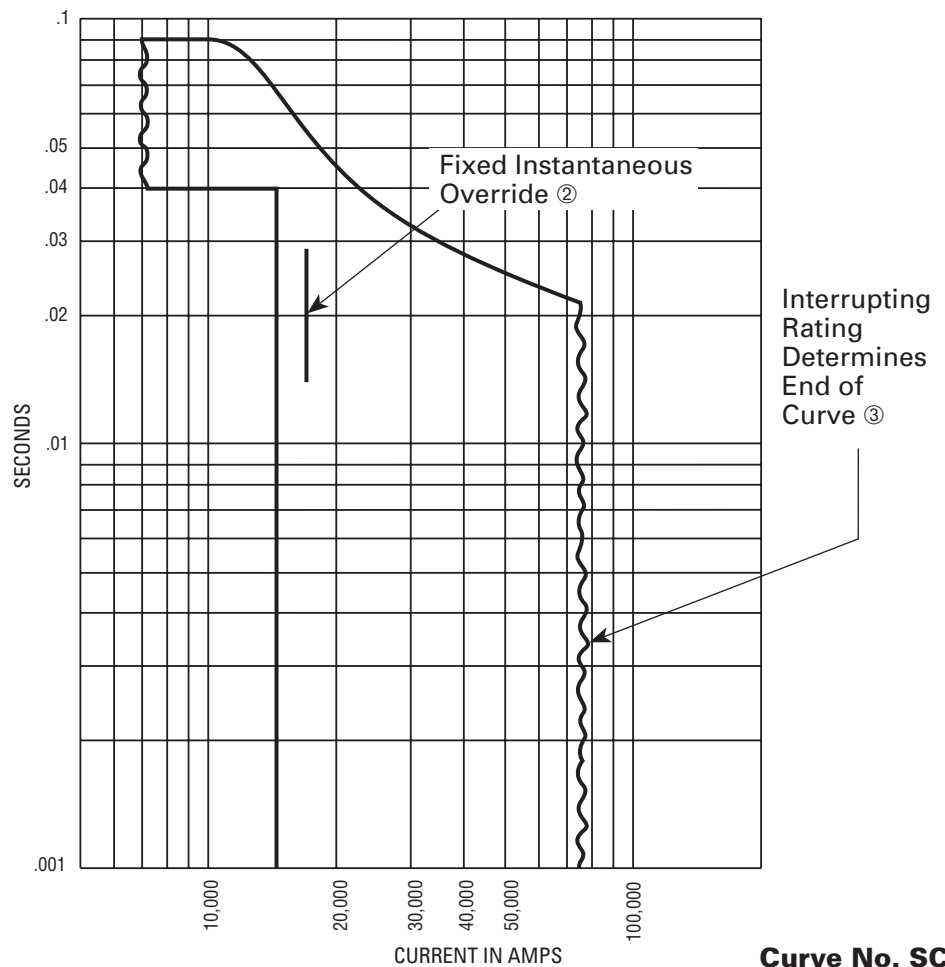
Utilization Category A
 $I_{cs} = 0.25 I_{cu}$
 $U_{imp} = 8 \text{ kV}$

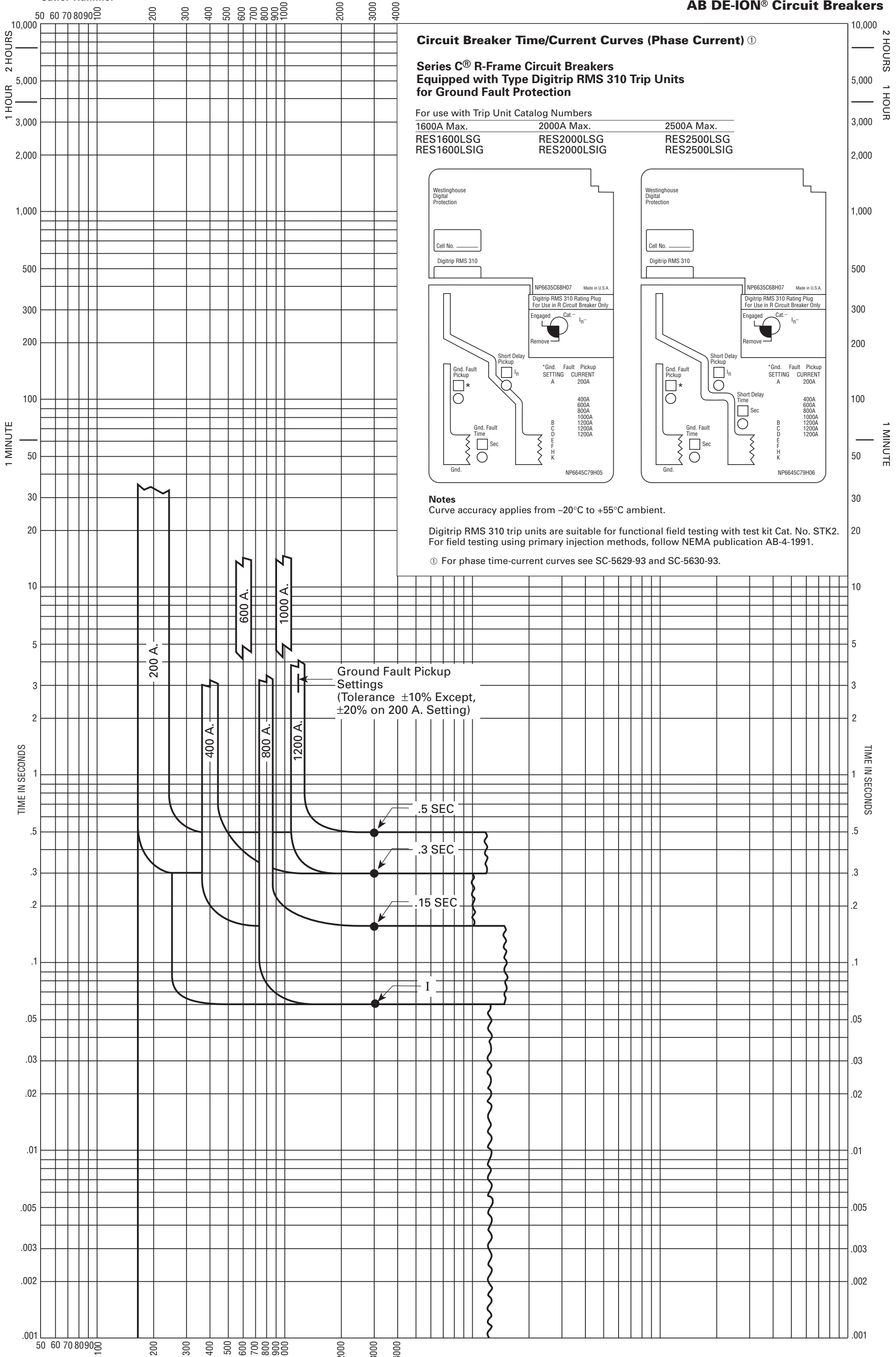
Notes

Curve accuracy applies from -20°C to $+55^\circ\text{C}$ ambient. For possible ampere derating for ambient above 40°C , refer to Cutler-Hammer.

Digitrip RMS 310 trip units are suitable for functional field testing with test kit Cat. No. STK2. For field testing using primary injection methods, follow NEMA publication AB-4-1991.

- ① For 2500A styles, maximum short delay pickup setting = 6X.
- ② For high fault current levels a fixed instantaneous override is provided at 17,500A (Tolerance $\pm 15\%$).
- ③ The end of the curve is determined by the interrupting rating of the circuit breaker. See above tabulation.
- ④ For ground fault time-current curves see SC-5631-93.
- ⑤ Not UL/CSA Listed.



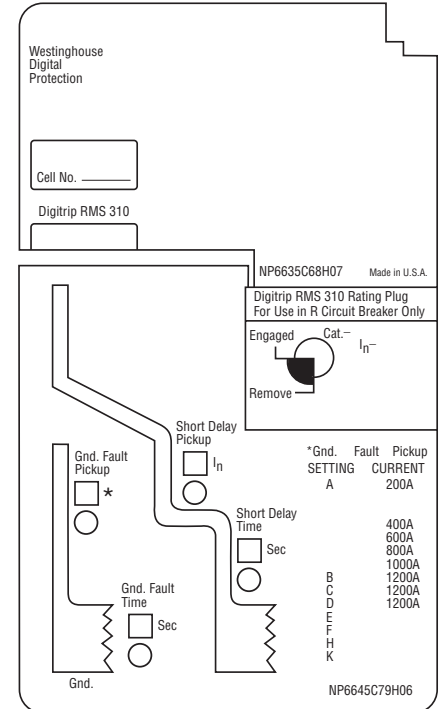
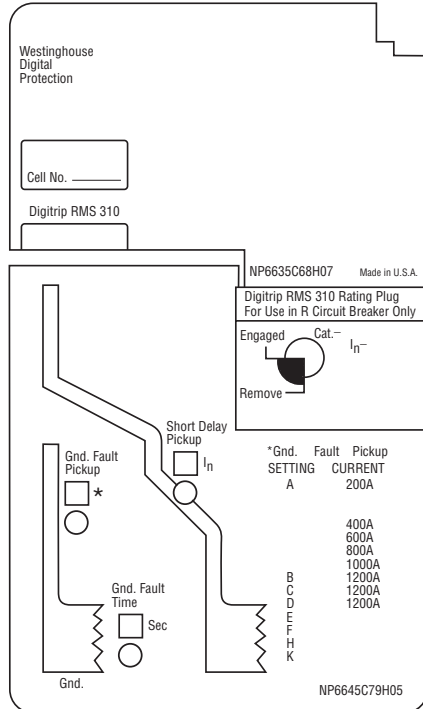


Circuit Breaker Time/Current Curves (Phase Current) ①

**Series C® R-Frame Circuit Breakers
Equipped with Type Digitrip RMS 310 Trip Units
for Ground Fault Protection**

For use with Trip Unit Catalog Numbers

| | | |
|---|---|---|
| 1600A Max. RES1600LSG RES1600LSIG | 2000A Max. RES2000LSG RES2000LSIG | 2500A Max. RES2500LSG RES2500LSIG |
|---|---|---|



Notes

Curve accuracy applies from -20°C to +55°C ambient.

Digitrip RMS 310 trip units are suitable for functional field testing with test kit Cat. No. STK2. For field testing using primary injection methods, follow NEMA publication AB-4-1991.

① For phase time-current curves see SC-5629-93 and SC-5630-93.