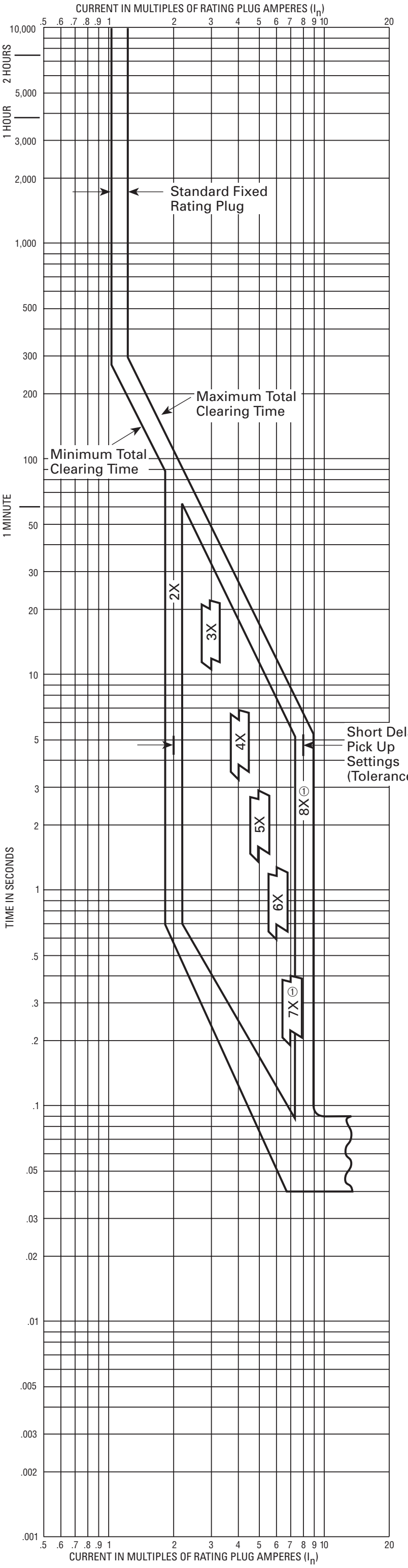
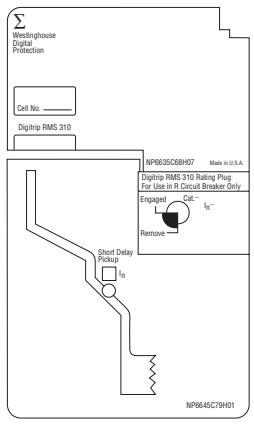


Dwg. 8895C05

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	16RES125T⑤	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.	A16RES16T2⑤	1600-12800
2000	2000	Fixed	20RES20T	4000-16000
	1600	Fixed	20RES16T	3200-12800
	1400	Fixed	20RES14T	2800-11200
	1250	Fixed	20RES125T⑤	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.	A20RES20T2⑤	2000-16000
2500	2500	Fixed	25RES25T	5000-15000
	2000	Fixed	25RES20T	4000-12000
	1600	Fixed	25RES16T	3200-9600
	1250	Fixed	25RES125T⑤	2500-7500
	1200	Fixed	25RES12T	2400-7200
	1200, 1600, 2000, 2500	Adj.	A25RES25T1	24000-15000
	1250, 1600, 2000, 2500	Adj.	A25RES25T2⑤	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
$I_{cs} = 0.25\ I_{cu}$
$U_{imp} = 8$ kV

Notes
Curve accuracy applies from –20°C to +55°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.

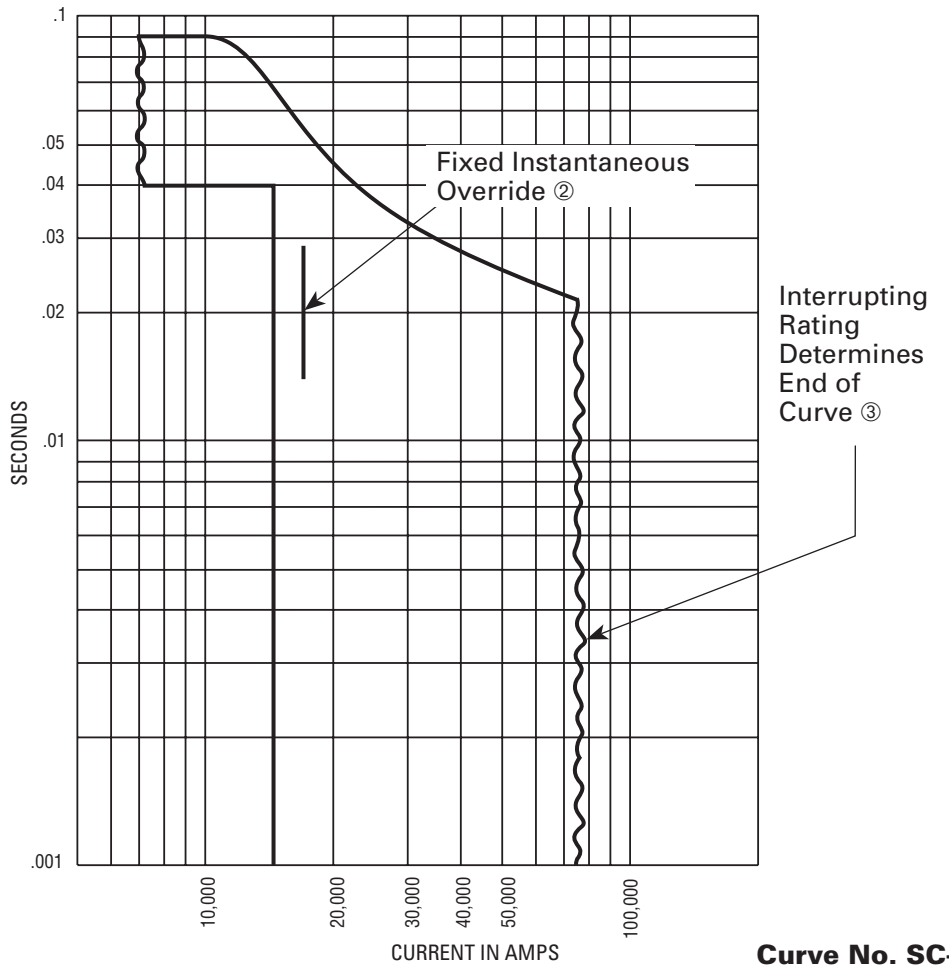
① For 2500A styles, maximum short delay pickup setting = 6X.

② For high fault current levels a fixed instantaneous override is provided at 17,500A (Tolerance ±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.



Curve No. SC-5629-93
Printed in U.S.A. **October 1997**