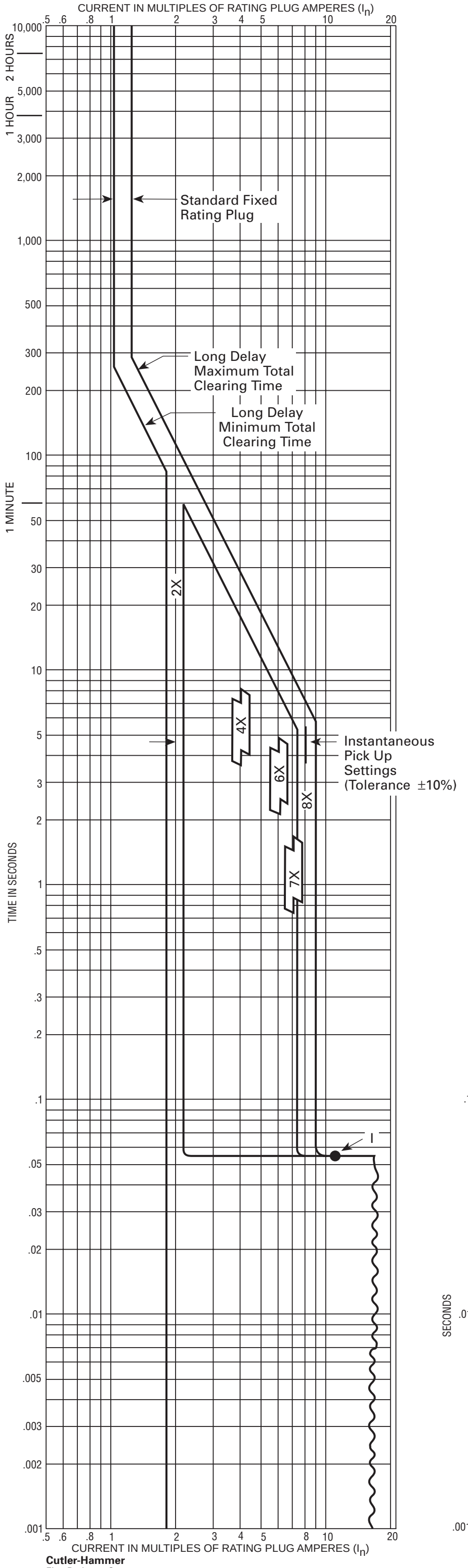
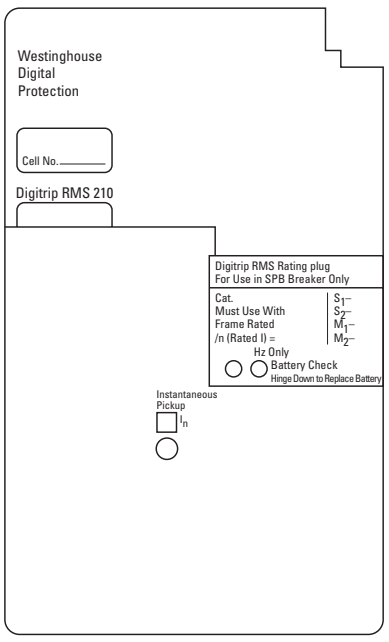


Type Systems Pow-R Breaker with **DIGITRIP RMS 210 Trip Units** Typical **Long Delay** (INST) Time-Phase Current Characteristic Curve **(LI)**

For use with Trip Unit Catalog Numbers 531-LIA

Typical Trip Unit Nameplate



Available Digitrip RMS Rating Plugs marked 50/60 Hz

Frame Current Rating Amperes	Plug Rating (I_n) Amperes
400	200, 250, 300, 400
800	400, 600, 630③, 800
1200	600, 630③, 800, 1000, 1200
1250④	600, 630③, 800, 1000, 1200, 1250③
1600	800, 1000, 1200, 1250③, 1500
2000C	1000, 1200, 1250③, 1600, 2000
2500	1600, 2000, 2500
3000	1600, 2000, 2500, 3000
3150④	1600, 2000, 2500, 3000, 3150③
4000	2000, 2500, 3000, 3150③, 3200, 4000
5000	3000, 3150③, 3200, 4000, 5000

Interrupting Ratings - 50/60 Hz RMS System Amperes (KA)

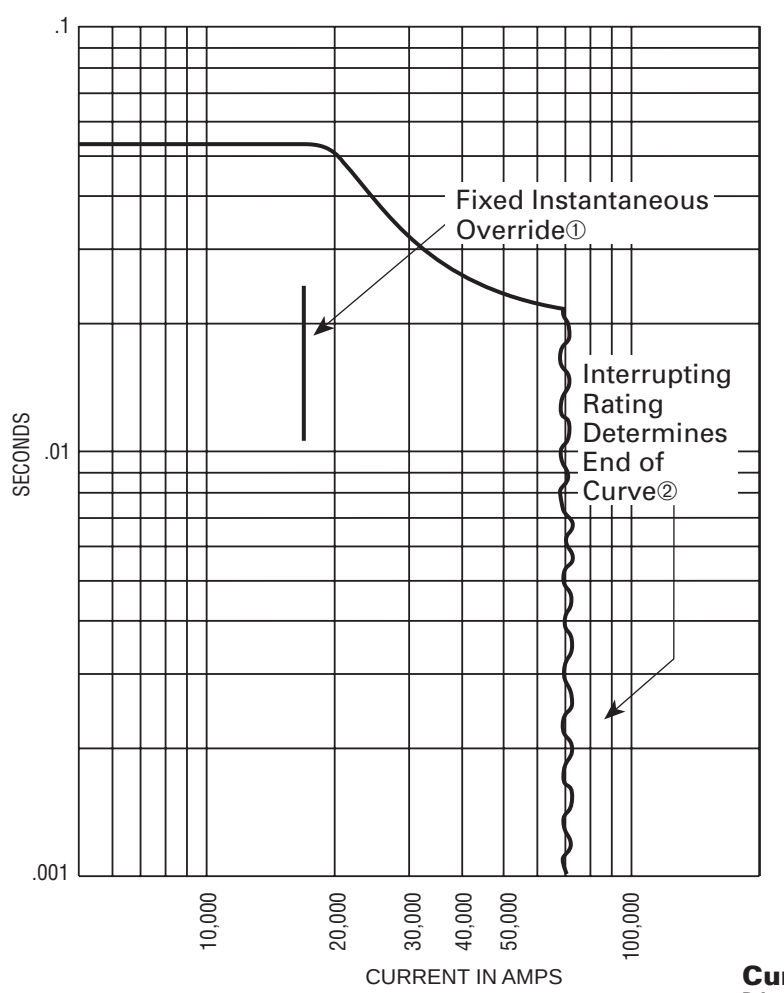
Frame Current Rating Amperes	Breaker Type SPB	Short Time Current Rating kA	Interrupting Current Ratings kA RMS Symmetrical								
			NEMA/UL/CSA			IEC③					
			240V	480V	600V	240/415V			690V		
						Icu	Ics	Icw	Icu	Ics	Icw
400 or 800	50	25	65	50	42	—	—	—	—	—	—
	100	25	100	100	50	—	—	—	—	—	—
	150	25	200	150	150	—	—	—	—	—	—
	W50	—	—	—	—	50	50	50	30	15	30
	W100	—	—	—	—	100	50	50	30	15	30
1200 or 1250④	65	35	85	65	42	—	—	—	—	—	—
	100	35	100	100	50	—	—	—	—	—	—
	150	35	200	150	100	—	—	—	—	—	—
	W50	—	—	—	—	50	50	50	30	15	30
	W100	—	—	—	—	100	50	50	30	15	30
1600 or 2000C	65	35	85	65	50	—	—	—	—	—	—
	100	35	100	100	85	—	—	—	—	—	—
	100M	51	100	100	85	—	—	—	—	—	—
	150	51	200	150	100	—	—	—	—	—	—
	W50	—	—	—	—	50	50	50	30	15	30
	W100	—	—	—	—	100	50	50	30	15	30
2500, 3000, or 3150④	100	35	100	100	85	—	—	—	—	—	—
	100M	51	100	100	85	—	—	—	—	—	—
	150	51	200	150	100	—	—	—	—	—	—
	W50	—	—	—	—	50	50	50	30	15	30
	W100	—	—	—	—	100	50	50	30	15	30
4000 or 5000	100	65	100	100	85	—	—	—	—	—	—
	100M	85	100	100	85	—	—	—	—	—	—
	150	85	200	150	100	—	—	—	—	—	—
	W100	—	—	—	—	100	50	60	60	30	60

Notes
Curve accuracy applies from -20°C to +55°C ambient. For possible continuous ampere derating for ambient above 40°C, refer to Cutler-Hammer.

Digitrip RMS trip units are suitable for functional field testing with test kit Cat. No. STK1.

① For high fault current levels a fixed instantaneous override is provided at 17,500A (Tolerance ±15%).

② The end of the curve is determined by the interrupting rating of the circuit breaker. See above tabulation.

③ IEC Ratings

④ 1250 and 3150A Frames available in SPBW50 and SPBW100 only.