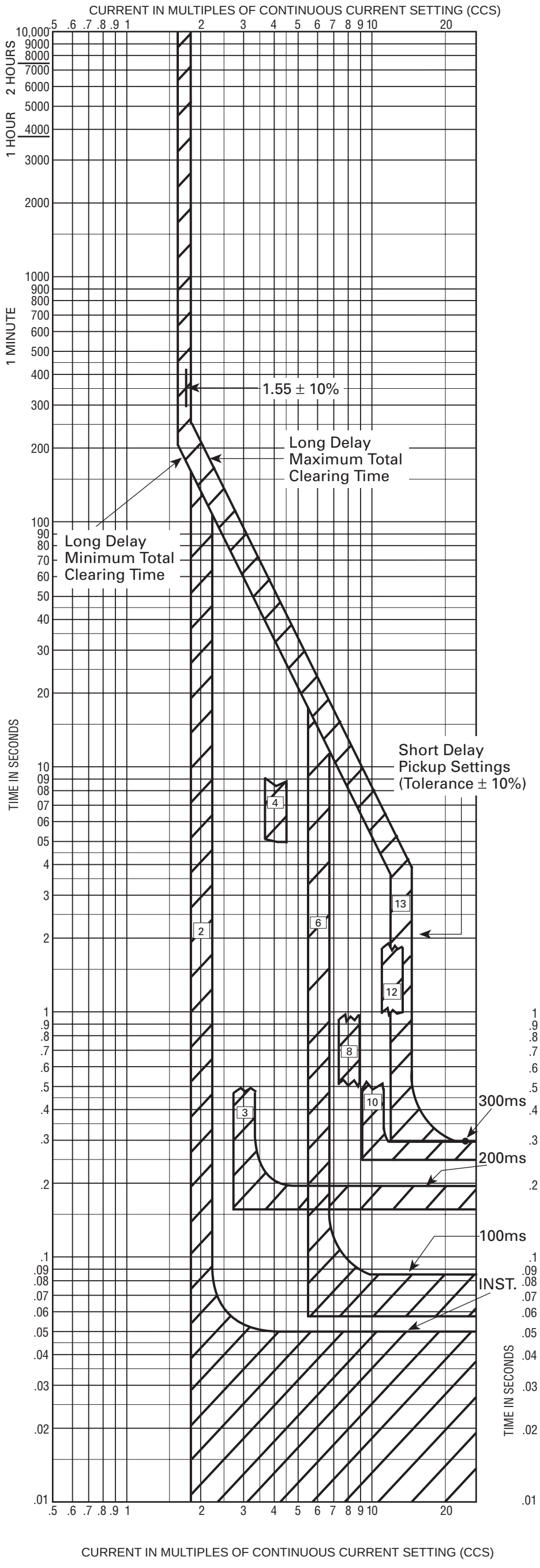
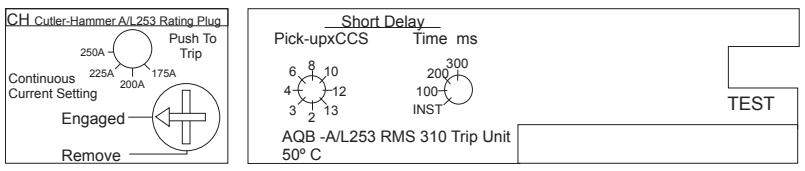


Circuit Breaker Time/Current Curves (Phase Current)

Types AQB-A253 and AQB-L253
Equipped With LES Digitrip RMS 310 Trip Units

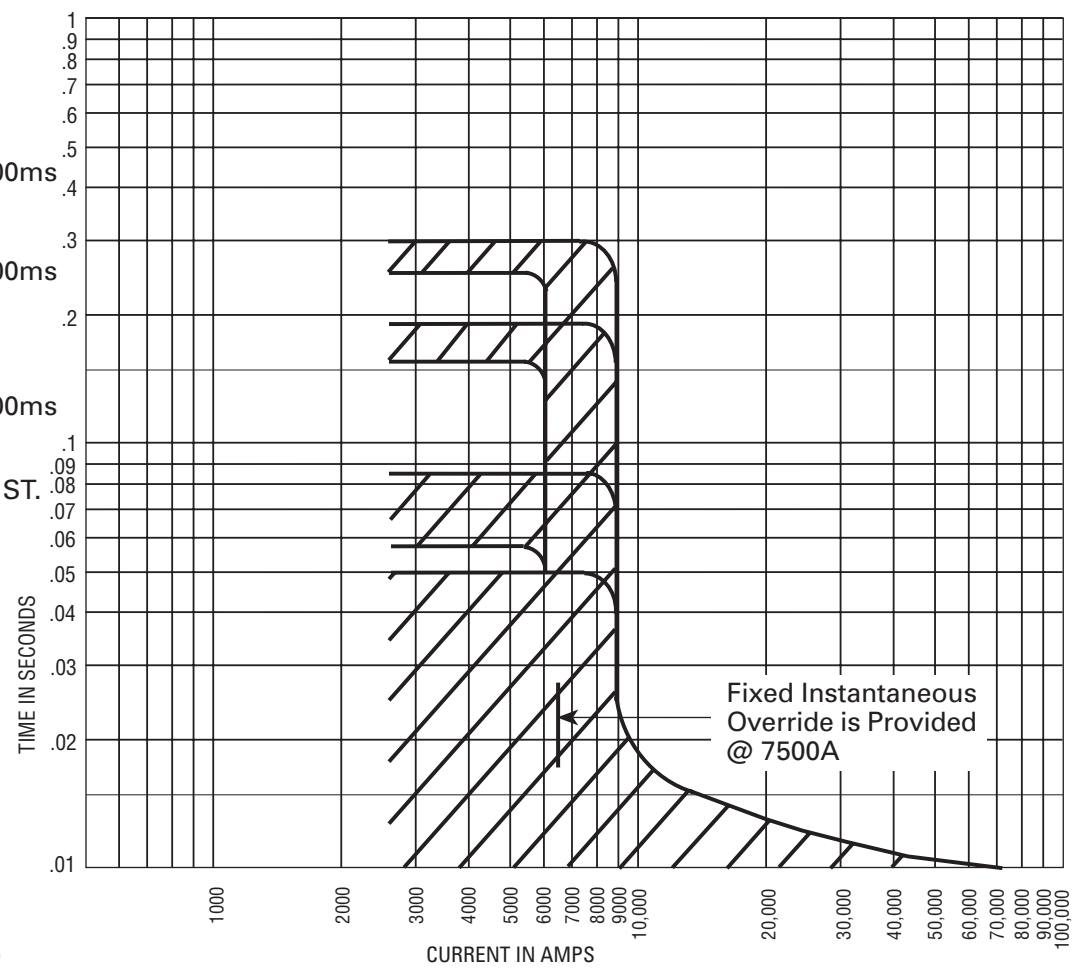
Typical Trip Unit Nameplate



Available Rating Plugs

Continuous Current Setting (CCS)	Type	Rating Plug Catalog Number	Short Delay Pickup Range Amperes
100, 125, 150, 160	Adjustable	6603C02G52	200-2080
175, 200, 225, 250	Adjustable	6603C02G51	350-3250

Breaker Type	Voltage Rating	500 VAC	
	Frequency	60 Hz	400 Hz
A253	Interrupting Current	30 kA	10 kA
L253		100 kA	–

Notes

1. Curve accuracy applies from –20°C to +55°C ambient. For possible continuous ampere derating for ambient above 50°C, refer to Cutler-Hammer.
2. For high fault current level a fixed instantaneous override is provided at 7500A. (Tolerance ±20%).
3. The end of the curve is determined by the interrupting rating of the circuit breaker.
4. AQB-A/L253's are suitable for functional field testing with test kit Cat. Number STK2.
5. Calibration response in short delay pickup range is same for 1, 2 or 3 poles in series.
6. There are memory effects that can act to shorten the long delay. The memory effects come into play if a current above the long delay pickup value exists for a time and then is cleared by the tripping of a downstream device or the circuit breaker itself. A subsequent overload will cause the circuit breaker to trip in shorter time than normal. The amount of time delay reduction is inverse to the amount of time that has elapsed since the previous overload. Approximately five minutes are required between overloads to completely reset the memory.