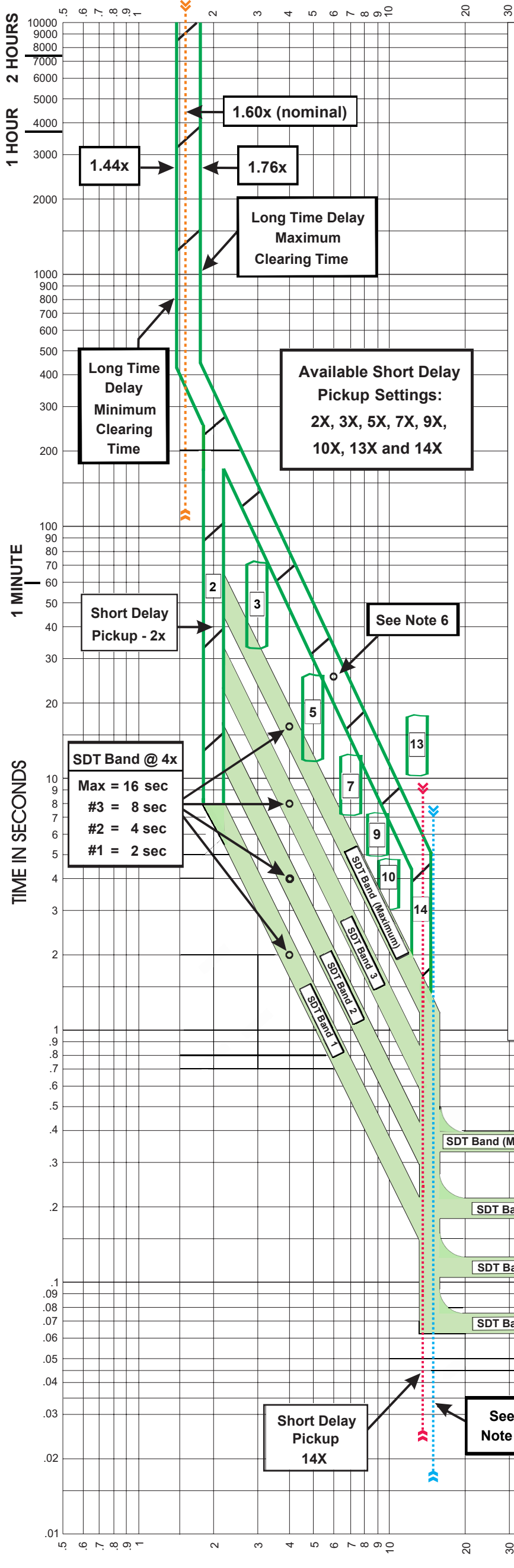


CURRENT IN MULTIPLES OF CONTINUOUS CURRENT SETTING (CCS)



**Circuit Breaker Time / Current Curves (Phase Current)
Type AQB-A103RMS Circuit Breakers**

Catalog Types (Basic Type): 25A - 1376D96G01
100A - 1376D96G02

Curve: Long Delay and Short Delay with I²T Response

Available Settings		
Frame Rating (I _n)	Continuous Current Setting (CCS) .4 -1.0 x (I _n)	Short Delay Pickup Setting x (CCS) (2x - 14x)
25	10	20 - 140
	12.5	25 - 175
	15	30 - 210
	18.75	37.5 - 262.5
	20	40 - 280
	25	50 - 350
100	40	80 - 560
	50	100 - 700
	60	120 - 840
	75	150 - 1050
	80	160 - 1120
	100	200 - 1400

Breaker Type AQB-A103RMS (Without Fuse)	Voltage Rating 500 Vac	
	Frequency 60 Hz	400 Hz
	Interrupting Current 15 kA Asym.	10 kA Asym.

Notes:

- Curve accuracy applies from -20°C to +55°C ambient. For possible continuous ampere derating for ambient above 50°C, refer to EATON.
- The end of the curve is determined by the instantaneous setting of the circuit breaker.
- AQB-A103RMS breakers are suitable for functional field testing with test kit catalog number STK2.
- There is memory effect that can act to shorten the Long Delay. The memory effect comes 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 is required between overloads to completely reset memory.
- Long Delay Pick Up is ± 10%.
- Long Delay Time at 6x is 20-32 seconds. (26 seconds nominal)
- Short Delay Pickup is ± 10% at 60 Hz (± 15% at 400 Hz)
- Short Delay Time (SDT) is ± 20% (I²T portion)
- Short Delay Time I²T response reverts to a FLAT response at current levels greater than 16x CCS.
- Total clearing times shown include the response times of the trip unit, the breaker opening, and the interruption of the current.

CURRENT IN MULTIPLES OF CONTINUOUS CURRENT SETTING (CCS)

**Time-Current Curve for AQB-A103RMS Circuit Breaker
(Long Delay and Short Delay with I²T Response)**