Maintenance Mode Characteristic

Trip Unit - Digitrip 520MC with Maintenance Mode, Magnum, Magnum DS and Magnum SB Circuit Breakers
Response: Maintenance Mode Trip
This curve is for 50Hz and 60Hz applications.

Notes:

1. The Maintenance Mode feature must be turned ON via switch or Communications for these curves to apply. A blue LED verifies Maintenance Mode setting is active.

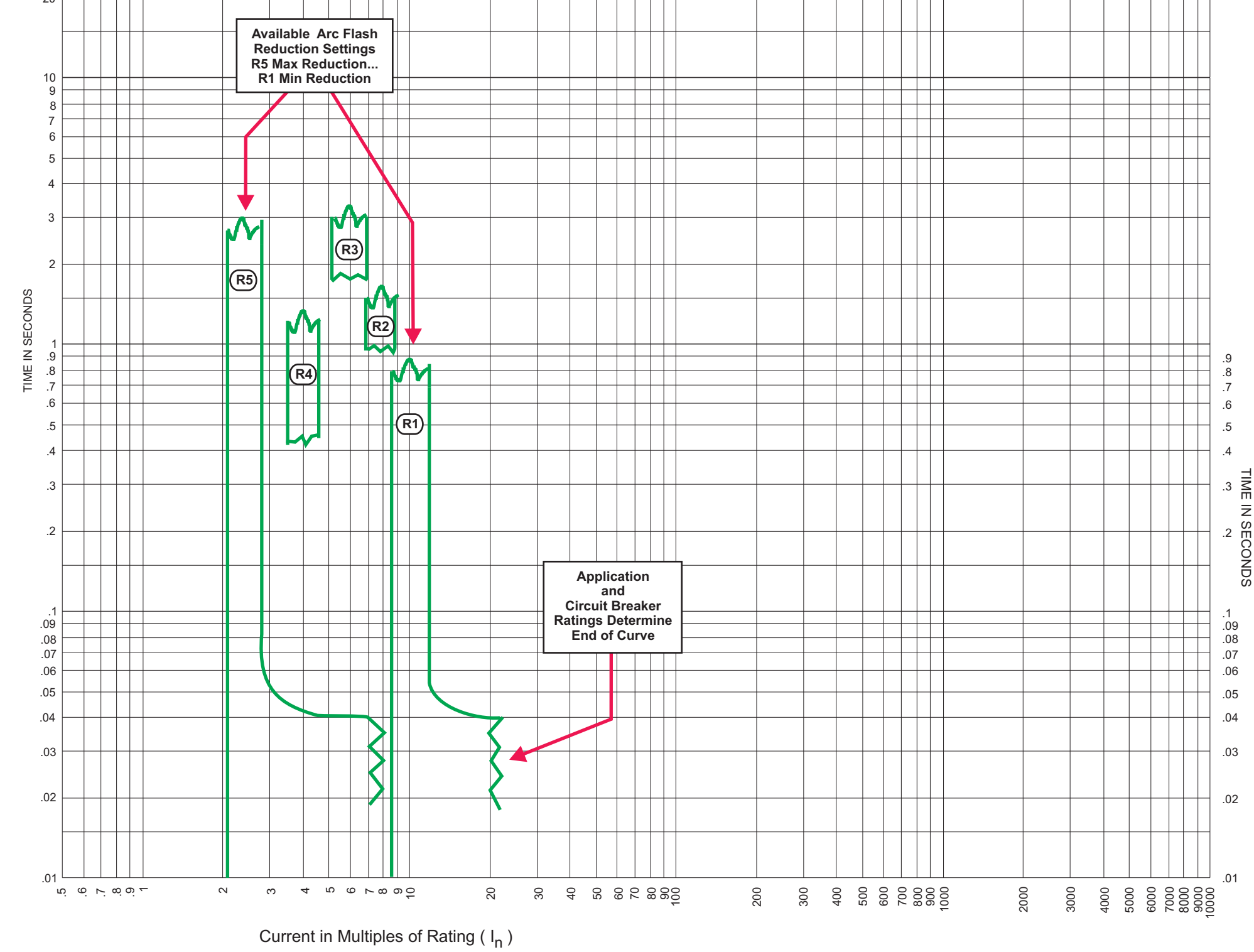
2. The end of the curve is determined by the interrupting rating of the circuit breaker.

3. Total clearing times shown include the response times of the trip unit, the breaker opening and the interruption of the current. Clearing times are shown with auxiliary power present.

4. The Digitrip 520MC will light the Instantaneous LED for a Maintenance Mode Trip.

5. Nominal Reduction Values (Pickup)(Tolerance is ± 15%)
R5 = 2.5x In, R4 = 4x In, R3 = 6x In, R2 = 8x In, R1 = 10x In

6. These curves are comprehensive for the complete family of Magnum breakers, including all frame sizes, ratings, and constructions. The total clearing times shown are conservative and consider the maximum response times of the trip unit, the circuit breaker opening, and the interruption of the current under factors that contribute to worst case conditions, like: maximum rated voltages, single phase interruption, and minimum power factor. Faster clearing times are possible depending on the specific system conditions, and the type of Magnum Circuit Breaker applied. Contact Eaton for additional information.



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