

**EATON**  
**Digitrip 310+ Circuit Breaker Time/Current Curves**  
**Maintenance Mode/Instantaneous**  
**Setting (1600A/2000A)**

**Notes:**

1. The Maintenance Mode feature must be ENABLED for these curves to apply. The LED indicator is blue when in Maintenance Mode.
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.
4. Available pickup settings ( $\times I_n$ ) (tolerance is  $\pm 15\%$ )  
 1600A Frame: 2.5, 4, 6, 7, 8, 8, 11  
 2000A Frame: 2.5, 4, 6, 7, 8, 8, 9
5. These curves are comprehensive for the complete family of Series G R-Frame electronic 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 in worst case conditions such as: maximum rated voltages, single-phase interruption, and minimum power factor. Faster clearing times are possible depending on the specific system conditions.

Contact Eaton for additional information.

**Series G R-Frame Trip Unit Nameplates**

ALSI (With Maintenance Mode)

ALSIG (With Maintenance Mode)

**\*1600A/2000A Faceplates shown, 2500A Faceplates may differ**

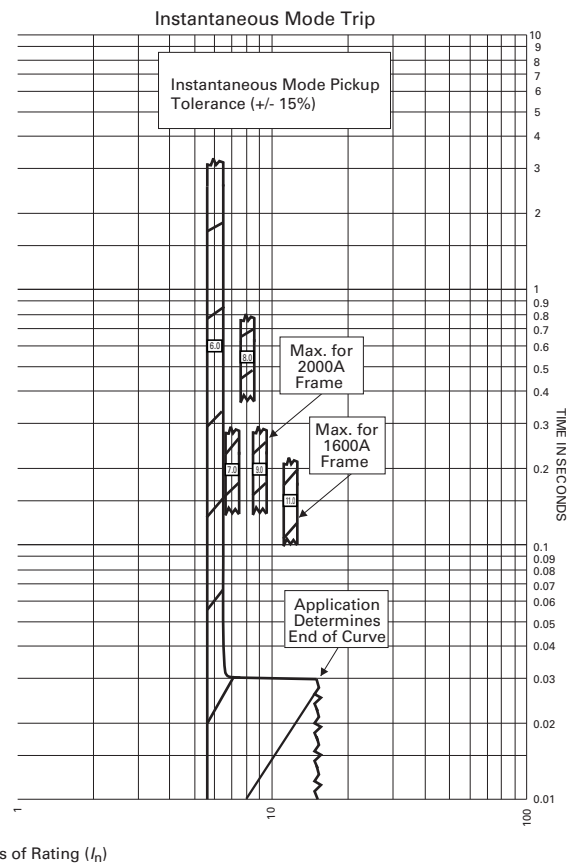
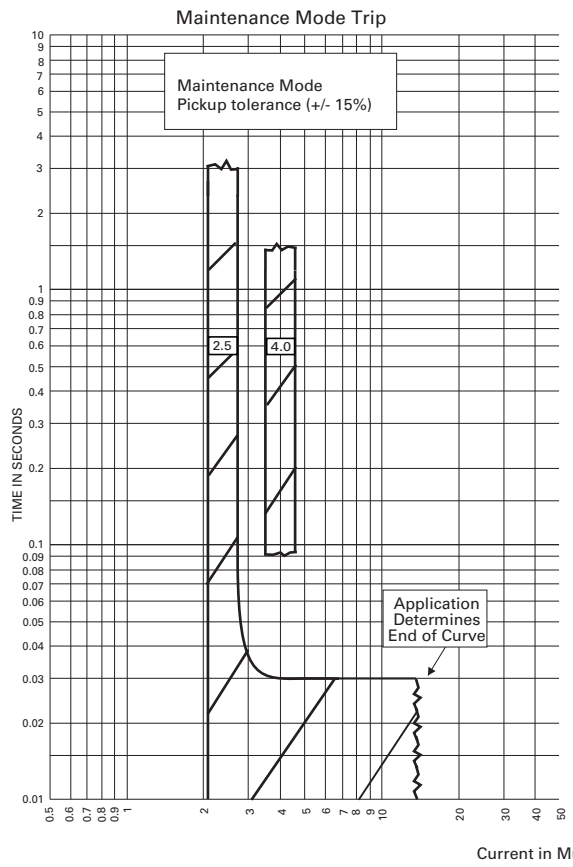


Figure 5. Maintenance Mode/Instantaneous Setting 1600A/2000A (ALSI, ALSIG) - Curve Number TC01210024E, September 2015

**EATON**  
**Digitrip 310+ Circuit Breaker Time/Current Curves**  
**Maintenance Mode/Instantaneous Setting (2500A)**

**Notes:**

1. The Maintenance Mode feature must be ENABLED for these curves to apply. The LED indicator is blue when in Maintenance Mode.
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.
4. Available pickup settings ( $\times I_n$ ) (tolerance is  $\pm 15\%$ ) 2.5, 4, 6, 6, 6, 7.
5. These curves are comprehensive for the complete family of Series G R-Frame electronic 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 in worst case conditions such as: maximum rated voltages, single-phase interruption, and minimum power factor. Faster clearing times are possible depending on the specic system conditions.

Contact Eaton for additional information.

**Series G R-Frame Trip Unit Nameplates**

ALSI (With Maintenance Mode)

ALSIG (With Maintenance Mode)

**\*1600A/2000A Faceplates shown, 2500A Faceplates may differ**

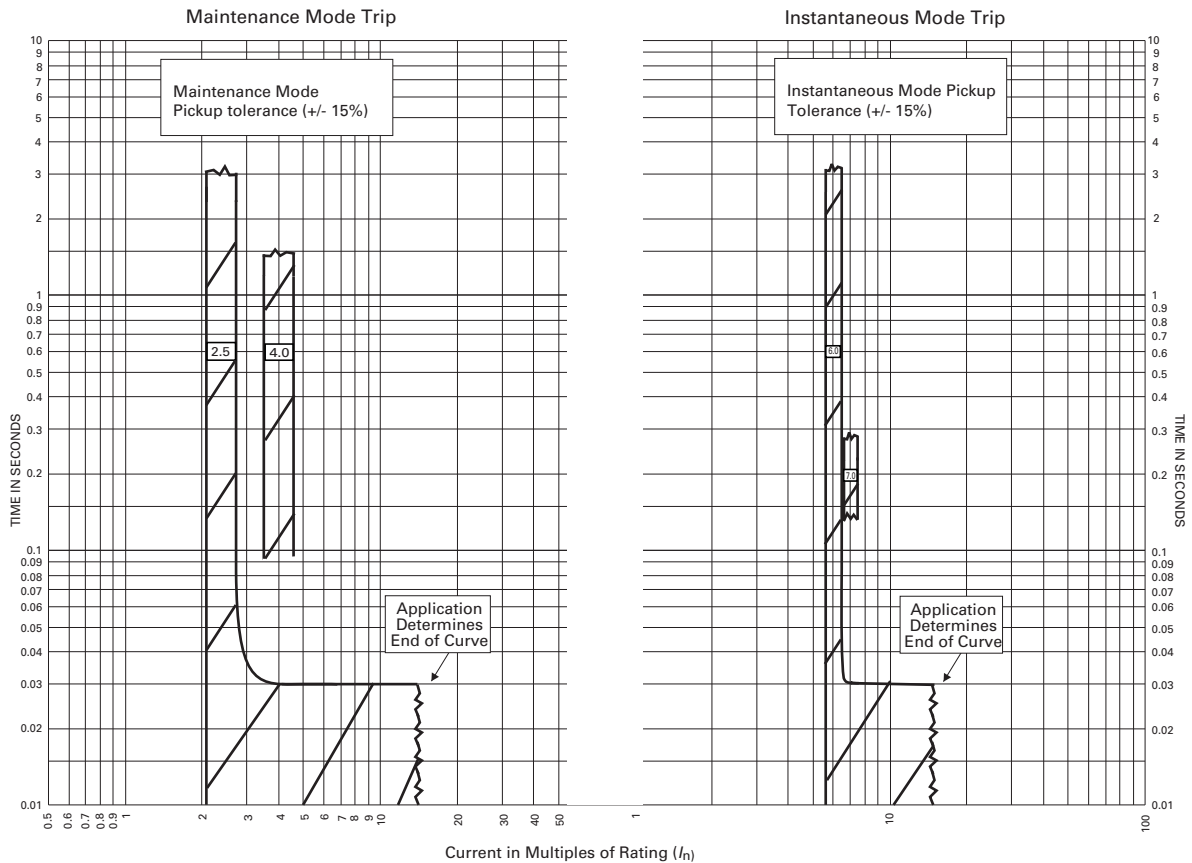


Figure 6. Maintenance Mode/Instantaneous Setting 2500A (ALSI, ALSIG) Curve Number TC01210023E, September 2015

AB DE-ION Circuit Breakers

Types RD, CRD, RDC, CRDC Equipped With Digitrip RMS 310 Trip Units  
Typical Instantaneous Time-Phase Current Characteristic Curve Based on  $I_n$

