

October 2006

A. D. 70C1082

Characteristic Curves for Magnum DS Circuit Breakers using Digitrip 220, 220P 520, 520M, 520MC Tripunits and Magnum Circuit Breakers using Digitrip 520i, 520Mi, 520MCi Tripunits

This envelope contains the following time-current curves:

Curve Description	Curve No.
Digitrip 220 - Long Delay (fixed) and Instantaneous response Time-Phase Current Characteristic Curve based on I_n for types Magnum and Magnum DS Circuit Breakers	70C1010
Digitrip 220P - Long Delay (adjustable) based on I_r and Instantaneous based on I_n Time-Phase Current Characteristic Curve responses for types Magnum and Magnum DS Circuit Breakers	70C1295 70C1296
Digitrip 520 / 520M / 520MC / 520i / 520Mi / 520MCi - Long Delay (I^2t) and Short Delay Flat and (I^2t) Time-Phase Current Characteristic Curve based on I_r for types Magnum and Magnum DS Circuit Breakers	70C1006
Digitrip 520 / 520M / 520MC / 520i / 520Mi / 520MCi - Instantaneous Time-Phase Current Characteristic Curve based on I_n for types Magnum and Magnum DS Circuit Breakers	70C1007
Digitrip 520 / 520M / 520MC / 520i / 520Mi / 520MCi - Ground (Earth) Fault Flat and (I^2t) – Trip or Alarm Only (LSIA style) Time-Ground Current Characteristic Curve based on I_n for types Magnum and Magnum DS Circuit Breakers	70C1008
Digitrip 520MC - Maintenance Mode Trip Time-Phase Current Characteristic Curve based on I_n for Magnum DS and Magnum SB Circuit Breakers	70C1446

Definitions

I_n is the maximum value of continuous current for which the trip unit can be set.

I_n is the basis (or reference) for both the Instantaneous and the Ground (Earth) protection current settings. The Ampere value of I_n is printed on the Rating Plug.

I_r is the basis for both the Long Delay Time and Short Delay Pick Up protection current settings. The Ampere value of I_r is the Long Delay Pickup Setting $\times I_n$.