EAT·N | **Cutler-Hammer**

Characteristic Curves for Magnum DS and Magnum SB Circuit Breakers using Digitrip 1150 and Magnum Circuit Breakers using 1150*i* Tripunits

This envelope contains the following time-current curves:

Curve Description	Curve No.
Long Delay I^{2}t, **Short Delay Flat** and **I^{2}t** response Time-Phase Current Characteristic Curve based on I$_r$ for Magnum, Magnum DS and Magnum SB Circuit Breakers	70C1034
Long Delay I^{4}t, **Short Delay Flat** response Time-Phase Current Characteristic Curve based on I$_r$ for Magnum, Magnum DS and Magnum SB Circuit Breakers	70C1035
IEEE Moderately Inverse, Short Delay Flat Time-Phase Current Characteristic Curve based on I$_r$ for Magnum DS and Magnum SB Circuit Breakers	70C1038
IEEE Very Inverse, Short Delay Flat Time-Phase Current Characteristic Curve based on I$_r$ for Magnum DS and Magnum SB Circuit Breakers	70C1039
IEEE Extremely Inverse, Short Delay Flat Time-Phase Current Characteristic Curve based on I$_r$ for Magnum DS and Magnum SB Circuit Breakers	70C1040
IEC-A Normal Inverse, Short Delay Flat Time-Phase Current Characteristic Curve based on I$_r$ for Magnum Circuit Breakers	70C1031
IEC-B Very Inverse, Short Delay Flat Time-Phase Current Characteristic Curve based on I$_r$ for Magnum Circuit Breakers	70C1032
IEC-C Extremely Inverse, Short Delay Flat Time-Phase Current Characteristic Curve based on I$_r$ for Magnum Circuit Breakers	70C1033
Instantaneous Time-Phase Current Characteristic Curve based on I$_n$ for Magnum, Magnum DS and Magnum SB Circuit Breakers	70C1043
Maintenance Mode Trip Time-Phase Current Characteristic Curve based on I$_n$ for Magnum DS and Magnum SB Circuit Breakers	70C1498
Ground (Earth) Fault Flat and **I^{2}t – Trip or Alarm Only (LSIA style)** Time-Ground Current Characteristic Curve based on I$_n$ for Magnum, Magnum DS and Magnum SB Circuit Breakers	70C1041

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 **x I$_n$**.

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