March 1999
Supersedes Application Data 32-880
dated February 1999

Types DSII and DSLII Circuit Breakers with Digitrip OPTIM 750 and 1050 Trip Units

This envelope contains the following time-current curves:

Curve Description	Curve Number
Typical **Long Delay I^2t, Short Delay I^2t** Time-Phase Current Characteristic Curve based on **I_r**, for Types **DSII** and **DSLII** Circuit Breakers rated up to **1200A** . . . . . (blue) .	SC-6275-95C
Typical **Long Delay I^2t, Short Flat** Time-Phase Current Characteristic Curve based on **I_r**, for Types **DSII** and **DSLII** Circuit Breakers rated up to **1200A** . . . . . (blue) .	SC-6276-95C
Typical **Long Delay I^4t, Short Flat** Time-Phase Current Characteristic Curve based on **I_r**, for Types **DSII** and **DSLII** Circuit Breakers rated up to **1200A** . . . . . (blue) .	SC-6277-95C
Typical **Long Delay I^2t, Short Delay I^2t** Time-Phase Current Characteristic Curve based on **I_r**, for Types **DSII** and **DSLII** Circuit Breakers rated **1600A** to **5000A** . . . . . (blue) .	SC-6278-95C
Typical **Long Delay I^2t, Short Flat** Time-Phase Current Characteristic Curve based on **I_r**, for Types **DSII** and **DSLII** Circuit Breakers rated **1600A** to **5000A** . . . . . (blue) .	SC-6279-95C
Typical **Long Delay I^4t, Short Flat** Time-Phase Current Characteristic Curve based on **I_r**, for Types **DSII** and **DSLII** Circuit Breakers rated **1600A** to **5000A** . . . . . (blue) .	SC-6280-95C
Typical **Instantaneous** Time-Phase Current Characteristic Curve based on **I_n**, for Types **DSII** and **DSLII** Circuit Breakers rated up to **1200A** . . . . . (white) .	SC-6281-96A
Typical **Instantaneous** Time-Phase Current Characteristic Curve based on **I_n**, for Types **DSII** and **DSLII** Circuit Breakers rated **1600A** to **5000A** . . . . . (white) .	SC-6282-96A
Typical **Ground Fault (Trip or Alarm Only)** Time-Phase Current Characteristic Curve based on **I_n**, for Types **DSII** and **DSLII** Circuit Breakers. . . . . (white) .	SC-6283-96A

Refer to Application Data 36-783 for the DSLII Limiter Time-Current Characteristic Curves.

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 protection current settings (white paper for these curves).

The value of **I_n** is printed on the Rating Plug.

I_r is the basis for both the Long Delay and Short Delay (if provided) protection current settings (blue paper for these curves).

The value of **I_r** is the Long Delay Current Setting x **I_n**.

Standard Ratings (60 Hz)

Breaker Type	Frame Rating Amperes	Interrupting Capacity, RMS Symmetrical Amperes (kA) with Instantaneous Trip		
DSII		240V	480V	600V
308	800A	42,000	30,000	30,000
508	800A	65,000	50,000	42,000
608	800A	65,000	65,000	50,000
516	1600A	65,000	50,000	42,000
616	1600A	65,000	65,000	50,000
620	2000A	65,000	65,000	50,000
632	3200A	85,000	65,000	65,000
840	4000A	130,000	85,000	85,000
850	5000A	130,000	85,000	85,000

Types DSLII (308, 516, 620, 632 and 840) 200kA, 600 Vac Max.