

LTB Disconnecting Circuit Breaker Design update 2011

With a Disconnecting Circuit Breaker the disconnecting function is integrated into the circuit breaker and no separate disconnectors are necessary.

The LTB D DCB design has been upgraded with improvements for easier installation in substations and increased reliability.

Locking device

The locking device is integrated into the circuit breaker drive cabinet (BLK 222). LED indication shows locked or unlocked status. Separate connection flange in the bottom of the cabinet for substation cable connections.



Earthing switch

The earthing switch has a new stronger drive (SM 800) to enable an accurate operation under all conditions. The SM 800 is placed on the support frame for easy access. The earthing switch is pre-mounted on the pole beam and adjusted in the workshop for easier installation.

Improved end-position adjustment with an adjustment screw built into the operating rod system and simplified adjustment of the arm of each earthing knife.



Improved cable connections

The cable connections between SM 800 and BLK 222 are pre-tested in the shop for faster installation.



Rating

Voltage	72.5 - 145 kV
Current	3150 A
Breaking current	40 kA
Ambient temperature	-50 to +70°C
Operation	Single-pole and three-pole

Product main parts

Circuit breaker	LTB D
Operating mechanism	BLK 222
Earthing switch	NVA
Operating mechanism	SM 800

The disconnecting circuit breaker is tested according to IEC 62271-108 and IEC 62271-205 for the products with the earthing switch mounted on the circuit breaker.

For more information please contact:

ABB AB

High Voltage Products

SE-771 80 Ludvika, Sweden

Phone: +46 (0)240 78 20 00

E-mail: circuit.breaker@se.abb.com

www.abb.com

www.abb.com/highvoltage

©Copyright 2011 ABB

All rights reserved

NOTE: ABB AB is working continuously to improve the products. We therefore reserve the right to change designs, dimensions and data without prior notice.