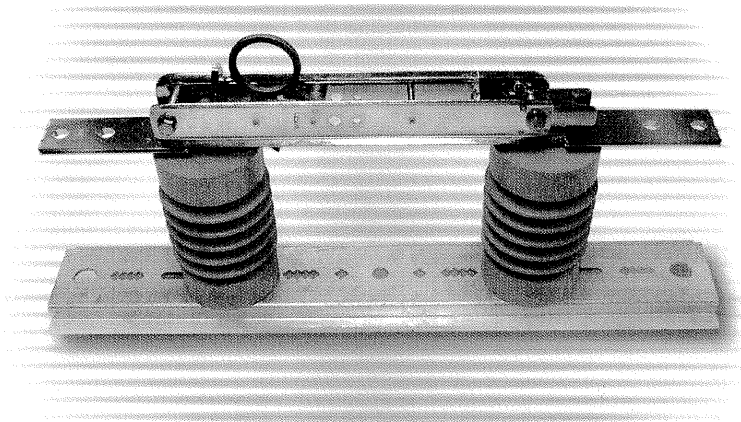


DCD Distribution Single-Phase Disconnect Switch



Application

The ABB DCD Disconnect Switch is a single-phase hookstick operated switch utilized to sectionalize or isolate circuits on electrical distribution systems up through 38 kV. The distribution switch can be mounted on a single or double cross arm and is rated for 600 or 900 amperes continuous current and 65 kA peak withstand current (40 kA momentary). The addition of optional by-pass studs also allows for by-passing reclosers, regulators, capacitor banks, or metering devices.

Operation

ABB's disconnect switches include loadbreak hooks for use with a portable loadbreak tool (not shown here). Positive latching is provided. Silver plated contacts enhance efficient current transfers. The pull ring activates the latch as a pry-out lever for easy opening and ice breaking.

Description	RATINGS			
	Maximum Voltage	kV BIL	Continuous Current	Peak Withstand Current
Epoxy/Porcelain	15 kV	110	600/900 A	65 kA
Epoxy/Porcelain	27 kV	125	600/900 A	65 kA
Epoxy/Porcelain	27 kV	150	600/900 A	65 kA
Epoxy/Porcelain	38 kV	150	600/900 A	65 kA

Style	Creep (Inches)	Strike (Inches)
110 kV BIL Epoxy/Porcelain	18.3/15.5	7/7
125 kV BIL Epoxy/Porcelain	22.7/24	8/10.5
150 kV BIL Epoxy/Porcelain	27/24	10/10.5

Design Features

Base

Strengthened channel of galvanized steel for corrosion protection and solid operation. Base has holes in each end for dead-ending

Back Strap

Galvanized steel for corrosion protection. Hardware included two 8" or 10" - 3/8" carriage bolts

Insulators

Available in 2.25" bolt circle porcelain or epoxy designs

Contacts

Silver to silver contacts to assure long life

Blade Design

Plated copper blades

Loadbreak Hooks

Galvanized steel for corrosion protection, to be used with loadbreak tool

By-pass Stud

Copper by-pass studs can be used for by-passing connected circuits

Blade Stop

Latch used to hold blade in 90 or 160 degree position. Blade stop prevents switch from closing under high momentary current

Terminal Options

1. Standard two-hole NEMA tin-plated pad
2. Optional two-piece parallel groove (#2 - 500 MCM)
3. Optional captive stainless steel bolts—0.5" - 13 with lock washer, flat washer, and bronze or stainless steel nut (1.75" long minimum)

Mounting

Vertical or under hung; polemount, single or double cross arm