MindCore Technologies

ADB

DOUBLE BREAK
DISCONNECT SWITCH



38 TO 500kV / 600 TO 5000A

MINDCORETECH.COM



SWITCH IN...

TO THE FUTURE!

Mindcore Technologies' ADB is a high-quality double-break disconnect switch that's built to last. Designed to utilize the high strength and lightweight characteristics of aluminum alloys, it's virtually maintenance-free.

THE MINDCORE "EDGE"

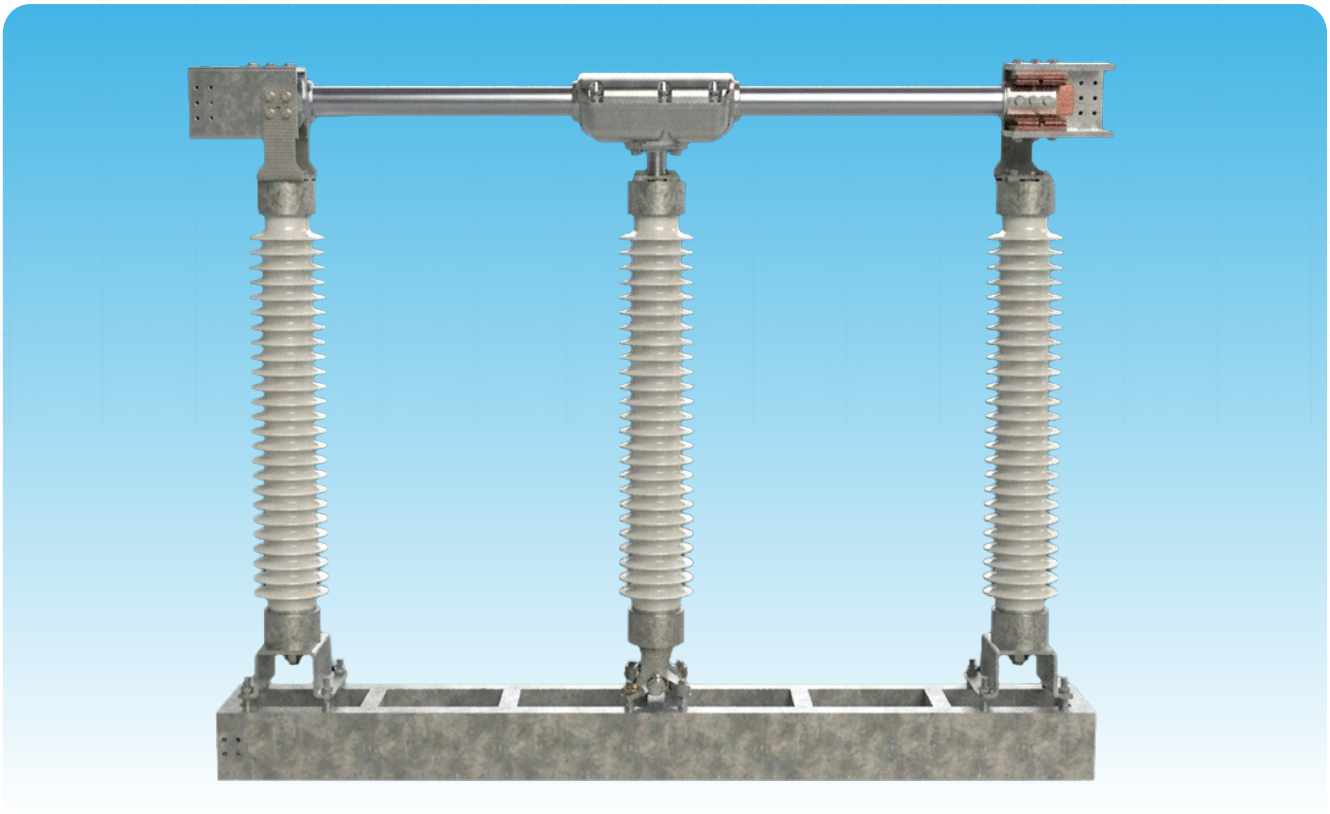
- The ADB is part of MindCore's line of disconnect switches, designed and produced to be among the best on the market while also being easy to install.
- Designed to be braidless, the current-carrying path is free of any rotating points for maximum reliability.
- With contacts partly shielded in the closed position and a blade that rotates when entering the jaw, the ADB performs very well under iced conditions.
- The ADB double-break disconnect is a robust, time-tested switch, refined over decades and used in North American substations for more than 35 years.

The mechanism of the ADB provides high pressure on silver-to-silver self-wiping contacts for maximum reliability. Furthermore, the sealed housing withstands all weather conditions and resists corrosion.



PRODUCT FEATURES

- 38 to 500kV / 600 to 5000A
- Reversed loop design on jaw sides
- Standard three sets of NEMA terminal pads
- Aluminum current-carrying parts design
- Weather- and corrosion-resistant housing
- Silver-to-silver, high-pressure, self-wiping contacts
- Rotating blade principle for excellent ice-breaking ability
- Available in "W" configuration for transmission applications



TECHNICAL SPECIFICATIONS

MindCore Technologies

Catalogue Number	Rated Maximum Voltage	Rated Lightning Impulse	Rated Continuous Current	Withstand Short-time Current	Overall Length	Terminal Pad Height	Width	Standard Mounting Holes Length	Standard Mounting Holes Width	Weight
	kV RMS	kV Peak	A	kA	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)	lbs (kg)
ADB03412	38	200	1200	44	59 ½" (1511)	30 ⅜" (773)	10 ¾" (270)	48" (1220)	3" or 8 ¼" (76 or 210)	271.43 (123.12)
ADB03420			2000	63						
ADB03430			3000	63	64 ½" (1638)	31 ¼" (804)	10 ¾" (270)	48" (1220)	3" or 8 ¼" (76 or 210)	330.96 (150.12)
ADB03440			4000	75						
ADB04612	48.3	250	1200	44	66 ½" (1689)	36 ⅛" (917)	10 ¾" (270)	54" (1370)	3" or 8 ¼" (76 or 210)	329.18 (149.31)
ADB04620			2000	63						
ADB04630			3000	63	71 ½" (1816)	37 ⅜" (948)	10 ¾" (270)	54" (1370)	3" or 8 ¼" (76 or 210)	396.78 (179.98)
ADB04640			4000	75						
ADB07212	72.5	350	1200	44	80 ½" (2045)	44 ⅛" (1121)	10 ¾" (270)	69" (1750)	3" or 8 ¼" (76 or 210)	405.51 (183.94)
ADB07220			2000	63						
ADB07230			3000	63	85 ½" (2172)	45 ⅜" (1151)	10 ¾" (270)	69" (1750)	3" or 8 ¼" (76 or 210)	473.69 (214.86)
ADB07240			4000	75						
ADB11512	123	550	1200	44	101 ½" (2578)	67 ¼" (1708)	10 ¾" (270)	87" (2210)	8 ¼" (210)	861.97 (390.98)
ADB11520			2000	63						
ADB11530			3000	63	106 ½" (2705)	69" (1754)	10 ¾" (270)	87" (2210)	8 ¼" (210)	931.23 (422.40)
ADB11540			4000	75						
ADB13812	145	650	1200	44	113 ½" (2883)	73" (1855)	10 ¾" (270)	99" (2510)	8 ¼" (210)	953.27 (432.40)
ADB13820			2000	63						
ADB13830			3000	63	118 ½" (3010)	78" (1983)	10 ¾" (270)	99" (2510)	8 ¼" (210)	1023.87 (464.42)
ADB13840			4000	75						
ADB16112	170	750	1200	44	125 ½" (3188)	81" (2059)	10 ¾" (270)	111" (2820)	8 ¼" (210)	1135.23 (514.93)
ADB16120			2000	63						
ADB16130			3000	63	130 ½" (3315)	86" (2186)	10 ¾" (270)	111" (2820)	8 ¼" (210)	1197.68 (543.26)
ADB16140			4000	75						
ADB23012	245	900	1200	44	143 ½" (3645)	99 ½" (2525)	10 ¾" (270)	78" (1981)	12" (305)	1338.20 (607)
ADB23020			2000	63						
ADB23030			3000	63	148 ½" (3772)	100 ⅞" (2556)	10 ¾" (270)	78" (1981)	12" (305)	1403.91 (636.80)
ADB23040			4000	75						
ADB24512	245	1050	1200	44	167 ½" (4255)	111 ½" (2830)	10 ¾" (270)	78" (1981)	12" (305)	1474.90 (669)
ADB24520			2000	63						
ADB24530			3000	63	172 ½" (4382)	112 ⅝" (2861)	10 ¾" (270)	78" (1981)	12" (305)	1549.93 (703.04)
ADB24540			4000	75						
ADB34512	362	1300	1200	44	191 ½" (4864)	128" (3246)	10 ¾" (270)	78" (1981)	12" (305)	2079.33 (943.17)
ADB34520			2000	63						
ADB34530			3000	63	196 ½" (4991)	128 3/4" (3270)	10 ¾" (270)	78" (1981)	12" (305)	2152.77 (976.48)
ADB34540			4000	75						
ADB50012	500	1550	1200	44	291 ¼" (7398)	150 ½" (3821)	10 ¾" (270)	78" (1981)	12" (305)	3067 (1394)
ADB50020			2000	63						
ADB50030			3000	63	291 ¼" (7398)	150 ½" (3821)	10 ¾" (270)	78" (1981)	12" (305)	3067 (1394)
ADB50040			4000	75						







MINDCORE TECHNOLOGIES

TCO

UNRIVALED TOTAL COST OF OWNERSHIP

1-877-677-5959
INFO@MINDCORETECH.COM

2425 EDOUARD-MICHELIN | TERREBONNE | QUEBEC | CANADA | J6Y 4P2