



**MindCore**  
Technologies

**ADB**

**DOUBLE BREAK  
DISCONNECT SWITCH**

38 TO 500kV / 600 TO 4000A



**SWITCH IN...  
TO THE FUTURE**

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## SWITCH IN... TO THE NEXT GENERATION

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 THAT ARE DESIGNED AND PRODUCED TO BE THE **BEST** ON THE MARKET WHILE ALSO BEING **EASY** TO INSTALL.

WITH THE CONTACTS PARTLY SHIELDED IN CLOSED POSITION AND THE BLADE **ROTATING** WHEN ENTERING THE JAW, THE ADB PERFORMS VERY WELL UNDER ICED CONDITIONS.

DESIGNED TO BE **BRAIDLESS**, THE CURRENT CARRYING PATH IS EXEMPT OF ANY ROTATING POINTS FOR MAXIMUM RELIABILITY.

THE ADB DOUBLE BREAK DISCONNECT IS A **ROBUST** SWITCH THAT WAS TIME-TESTED AND IMPROVED THROUGH DECADES, HAVING BEEN INSTALLED 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** WILL WITHSTAND ANY WEATHER CONDITIONS AND RESIST **CORROSION**.

## PRODUCTS FEATURES

38 TO 500kV / 600 TO 4000A

REVERSED LOOP DESIGN ON JAW SIDES

STANDARD 3 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







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