



**MindCore**  
Technologies

**AVX**  
—

**VERTICAL BREAK  
DISCONNECT SWITCH**

15 TO 420kV / 1200 TO 6000A



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

[MINDCORETECH.COM](http://MINDCORETECH.COM)

## THE MINDCORE "EDGE"

THE AVX IS BUILT WITH HIGH QUALITY COMPONENTS INCLUDING ROBUST PIVOTS, SEALED WITH BACK-TO-BACK TAPER ROLLER BEARINGS.

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

REVERSED LOOP COPPER FINGERS EXERT MORE PRESSURE ON THE BLADE, ENSURING EFFICIENT ELECTRICAL CONTACT.

OILITE BUSHING ARE USED TO ALLOW WORRY-FREE OPERATION FOR LIFE DURATION.

OUR SWITCHES ARE ALL DESIGNED WITH EASE OF INSTALLATION IN MIND



THE BLADE TURNS TO A FULL 90° PROVIDING UNEQUALED ICE-BREAKING CAPABILITY.

### PRODUCTS FEATURES

15 TO 420KV / 1200 TO 6000A

ALUMINUM CURRENT CARRYING PARTS

SILVER TO SILVER SELF-WIPING CONTACTS

REVERSED LOOP DESIGN ON HINGE AND JAW

FULLY ADJUSTABLE BLADE OPENING UP TO 95°

3 SETS OF NEMA TERMINAL PADS AT BOTH ENDS

IEEE 693 HIGH SEISMIC TESTED

IMPROVED KEARNEY DESIGN

## SWITCH IN... TO THE NEXT GENERATION

MINDCORE TECHNOLOGIES AVX IS A HIGH QUALITY VERTICAL DISCONNECT SWITCH THAT'S **BUILT TO LAST!** DESIGNED TO UTILIZE THE HIGH STRENGTH AND LIGHTWEIGHT CHARACTERISTICS OF ALUMINUM ALLOYS, IT'S VIRTUALLY **MAINTENANCE FREE!**





## TECHNICAL SPECIFICATIONS

Catalogue Number	Rated Maximum Voltage	Rated Lightning Impulse	Rated Continuous Current	Withstand Short-time Current	Terminal to Terminal 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)
AVX01512	15.5	110	1200	40	52 1/4"	17 3/4"	8 1/4"	36"	3" or 7"	220
AVX01520			2000	63	(1327)	(451)	(208)	(914)	(76 or 178)	(100)
AVX01530			3000	75	58"	21 3/4"	8 3/4"	36"	3" or 7"	303
AVX01540			4000		(1473)	(552)	(219)	(914)	(76 or 178)	(138)
AVX02512	27	150	1200	40	55 1/4"	21 1/4"	8 3/4"	39"	3" or 7"	234
AVX02520			2000	63	(1403)	(552)	(208)	(991)	(76 or 178)	(106)
AVX02530			3000	75	58"	21 1/4"	8 3/4"	39"	3" or 7"	303
AVX02540			4000		(1473)	(552)	(219)	(991)	(76 or 178)	(138)
AVX03412	38	200	1200	40	61 1/4"	25 1/4"	8 3/4"	48"	3" or 8 1/4"	260
AVX03420			2000	63	(1556)	(654)	(208)	(1220)	(76 or 210)	(118)
AVX03430			3000	75	64"	25 1/4"	8 3/4"	48"	3" or 8 1/4"	334
AVX03440			4000		(1626)	(654)	(219)	(1220)	(76 or 210)	(152)
AVX04612	48.3	250	1200	40	67 1/4"	31 1/4"	8 3/4"	54"	3" or 8 1/4"	327
AVX04620			2000	63	(1708)	(794)	(208)	(1370)	(76 or 210)	(148)
AVX04630			3000	75	64"	31 1/4"	8 3/4"	54"	3" or 8 1/4"	358
AVX04640			4000		(1626)	(794)	(219)	(1370)	(76 or 210)	(163)
AVX07212	72.5	350	1200	40	76 1/4"	39 1/4"	8 3/4"	69"	3" or 8 1/4"	399
AVX07220			2000	63	(1937)	(997)	(208)	(1750)	(76 or 210)	(181)
AVX07230			3000	75	70"	39 1/4"	8 3/4"	69"	3" or 8 1/4"	438
AVX07240			4000		(1778)	(997)	(219)	(1750)	(76 or 210)	(199)
AVX11512	123	550	1200	40	94 1/4"	60 1/4"	8 3/4"	87"	8 1/4"	801
AVX11520			2000	63	(2394)	(1537)	(208)	(2210)	(210)	(363)
AVX11530			3000	75	96 1/4"	60 1/2"	8 3/4"	87"	8 1/4"	830
AVX11540			4000		(2457)	(1537)	(219)	(2210)	(210)	(377)
AVX13812	145	650	1200	40	106 3/4"	69 3/4"	8 3/4"	99"	8 1/4"	895
AVX13820			2000	63	(2699)	(1772)	(208)	(2510)	(210)	(406)
AVX13830			3000	75	112"	69 3/4"	8 3/4"	99"	8 1/4"	890
AVX13840			4000		(2843)	(1772)	(219)	(2510)	(210)	(405)
AVX16112	170	750	1200	40	118 1/4"	77 1/4"	8 3/4"	111"	8 1/4"	960
AVX16120			2000	63	(3004)	(1975)	(208)	(2820)	(210)	(435)
AVX16130			3000	75	124"	77 1/4"	8 3/4"	111"	8 1/4"	1140
AVX16140			4000		(3148)	(1975)	(219)	(2820)	(210)	(518)
AVX23012	245	900	1200	40	134 1/4"	96"	27"	78"	12"	1395
AVX23020			2000	63	(3410)	(2438)	(686)	(1981)	(305)	(634)
AVX23030			3000	75	136"	96"	27 1/2"	78"	12"	1420
AVX23040			4000		(3454)	(2438)	(699)	(1981)	(305)	(645)
AVX24512	252	1050	1200	40	152 1/4"	108"	27"	78"	12"	1650
AVX24520			2000	63	(3867)	(2743)	(686)	(1981)	(305)	(748)
AVX24530			3000	75	154"	108"	27 1/2"	78"	12"	1544
AVX24540			4000		(3910)	(2743)	(699)	(1981)	(305)	(702)
AVX34512	362	1300	1200	40	170 1/4"	122"	27"	78"	12"	1820
AVX34520			2000	63	(4325)	(3099)	(686)	(1981)	(305)	(827)
AVX34530			3000	75	172"	122"	27 1/2"	78"	12"	1919
AVX34540			4000		(4367)	(3099)	(699)	(1981)	(305)	(872)
AVX42012	420	1470	1200	40	208 1/4"	136"	27"	78"	12"	2432
AVX42020			2000	63	(5285)	(3454)	(686)	(1981)	(305)	(1105)
AVX42030			3000	75	210"	136"	27 1/2"	78"	12"	2555
AVX42040			4000		(5334)	(3454)	(699)	(1981)	(305)	(1162)