



AVX

**VERTICAL BREAK
DISCONNECT SWITCH**



15 TO 420kV / 1200 TO 6000A

MINDCORETECH.COM



SWITCH IN...

TO THE FUTURE!

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 is virtually maintenance-free!

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.

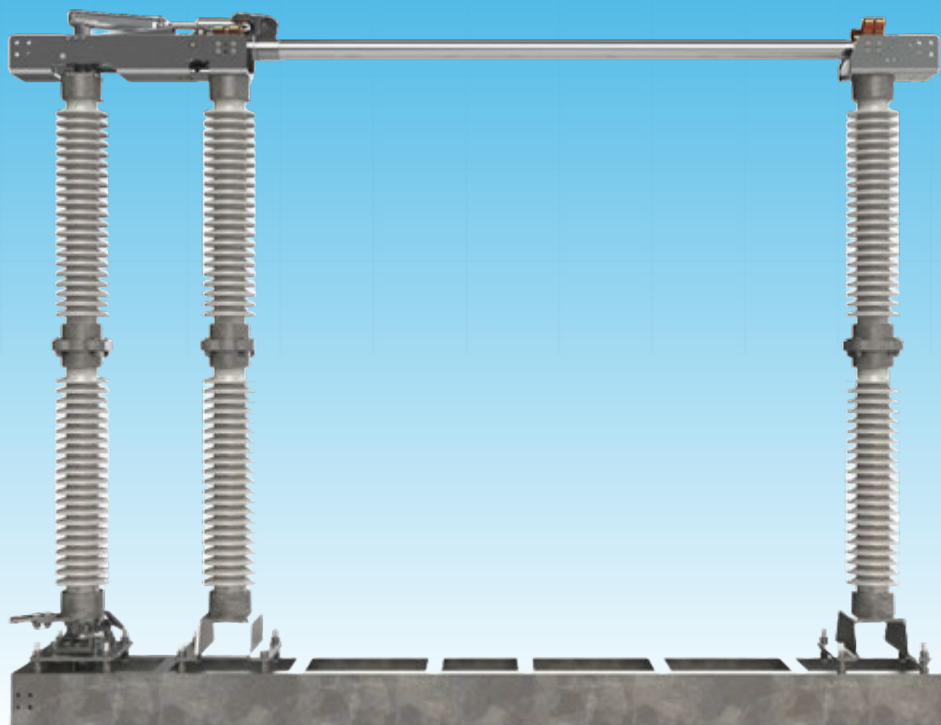
Our switches are all designed with ease of installation in mind

The blade turns to a full 90°, providing unequaled ice-breaking capability.



PRODUCT FEATURES

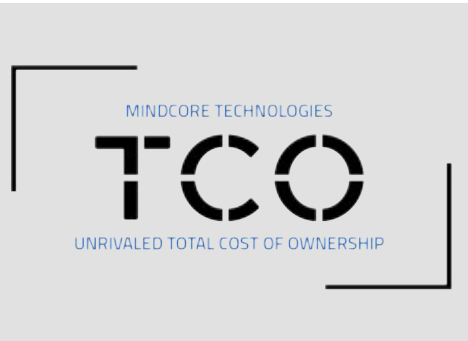
- 15 to 420kV / 1200 to 6000A
- Aluminum current-carrying parts
- Silver-to-silver self-wiping contacts
- Reversed loop design on hinge and jaw
- Fully adjustable blade opening up to 95°
- Three sets of NEMA terminal pads at both ends
- IEEE 693 high seismic tested
- Improved Kearney design



TECHNICAL SPECIFICATIONS



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



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