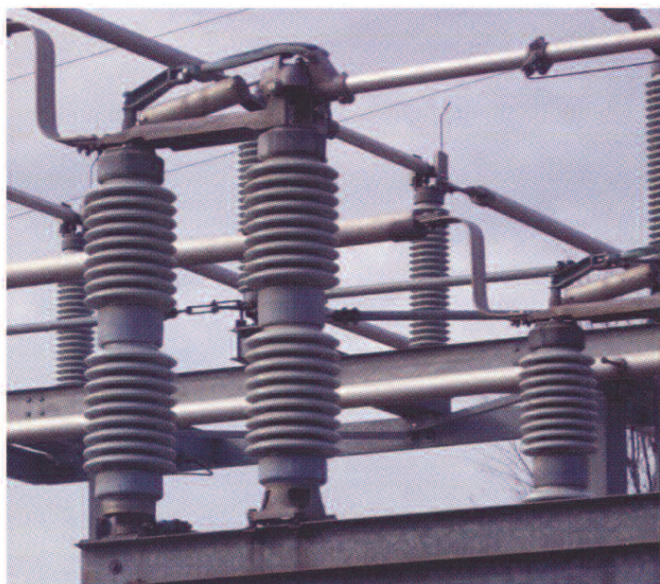




Vertical-Break Switch



SEECO 115 kV, 1200 amp vertical-break switch,
catalog VIPA-H11512S

Ordering Information

Standard Equipment

Type VIPA and VIPC vertical-break switches come complete with either aluminum or copper alloy live parts, silver to silver reverse loop contact fingers, blade counter-balance, galvanized steel channel bases, and a manual control mechanism consisting of vertical control rods, horizontal control rods, outboard bearings, intermediate control rod guides, operating handle, lock-plate assembly and ground strap.

Switches up through 69kV are shipped complete with standard strength station post insulators; individual switch pole units are pre-assembled and factory adjusted. Switches rated 115 kV and above are shipped pre-assembled (live parts on switch bases), but with insulators crated separately for more economical transportation and ease of handling.

Type VIPA and VIPC switches are supplied with wipe-type arcing horns of stainless steel. Wipe-type horns protect the main switch contacts in opening and closing but are not rated for interrupting duty. For more demanding interrupting requirements, quick break horns, single or multi bottle vacuum interrupters can be supplied.

Optional Equipment

Accessories, such as motor operators, worm gear mechanisms, single and multi bottle vacuum interrupter devices, operator platforms, ground switches and auxiliary switches are also available.

Type: VIPA (aluminum) and VIPC (copper)

Insulator Profile: Parallel or Vee Configuration

Orientation: Horizontal Upright, Vertical, Underhung

Voltage: 15 - 345 KV

Current: 600, 1200, 2000 and 3000 Ampere

Description

A three insulator, group operated, vertical opening airbreak disconnect switch, with one rotating insulator per phase for operation. Final contact engagement and contact pressure is accomplished by rotation of the blade.

Application

Frequently used for line disconnecting, isolating and bypassing breakers and transformers, bus sectionalizing and isolating arrestors, metering equipment and other apparatus.

Features & Benefits

- Minimizes phase spacing; the most compact phase spacing of any group operated switch configuration
- Simple and mechanically reliable
- Minimal operating effort, especially at higher voltages
- No braided or laminated shunts in current path
- Excellent ice breaking characteristics
- A full range of interruption devices are available, including quick break arcing horns and SEECO single and multi-bottle vacuum interrupters

To Be Specified on Order

To obtain pricing information or to place an order, the following minimum information must be specified:

- Catalog Number
- Voltage Rating (kV) and BIL Rating (kV)
- Continuous Current Rating (amps)
- Momentary Current Rating (RMS amps)
- If insulators are required, specify TR Number; if insulators are non-standard, specify required parameters, i.e. polymer, extra leakage distance, high strength, resistive glazing, etc.
- Type of mounting structure (beam, tube, lattice, H-frame or pole) with mounting details and dimensions, i.e. switch mounting height above grade, phase spacing, etc. and any special mounting requirements or considerations.
- Interruption device: standard wipe type horn or optional quick break horn, single or multi bottle vacuum interrupter
- Operating mechanism: standard swing handle or optional motor operator or worm gear
- Optional equipment

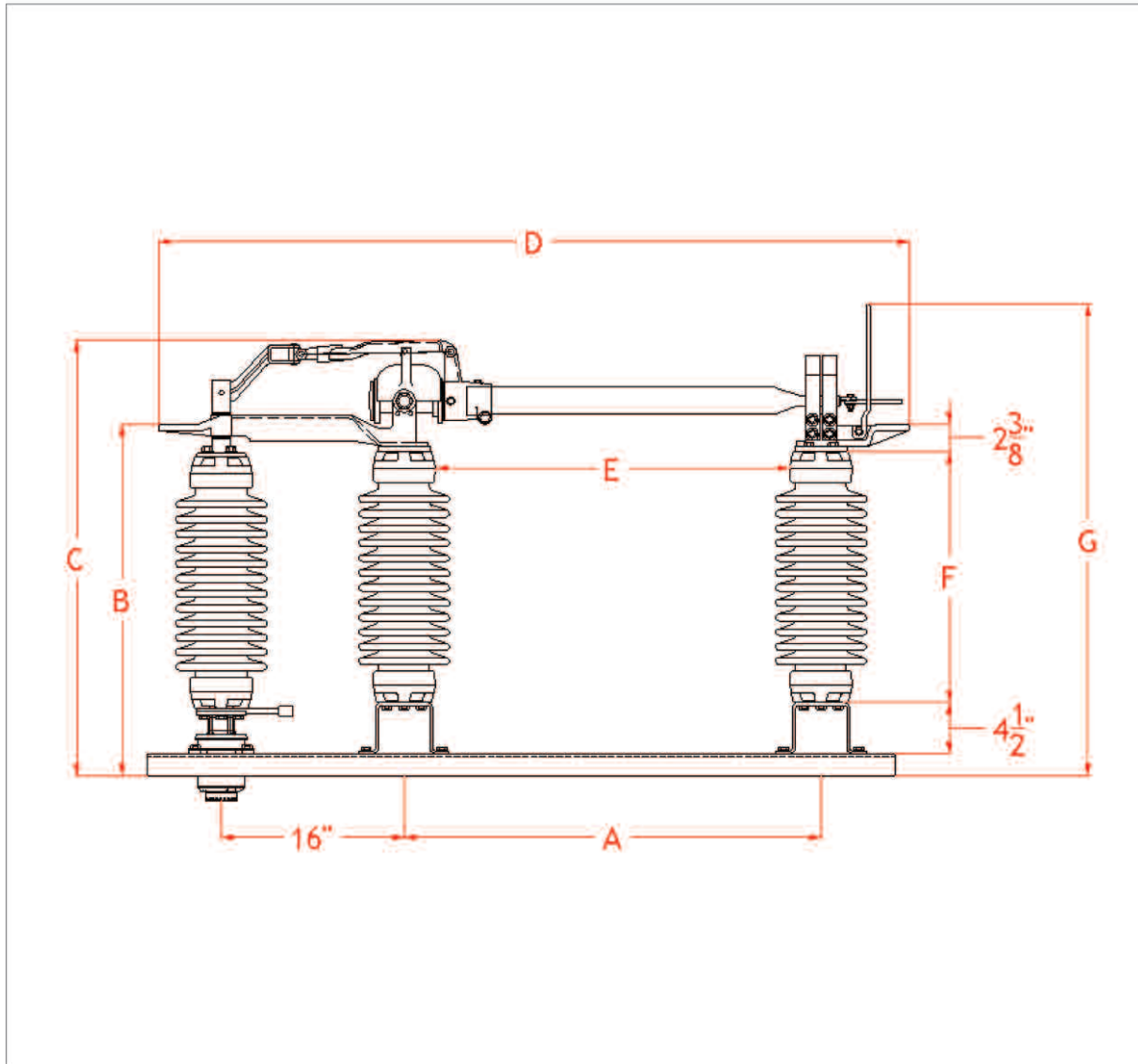
An Order Specification checklist is available to assist you in organizing and completing the information required. You may obtain a copy of the checklist by contacting SEECO, your local sales representative, or on-line at www.seecoswitch.com



Catalog Numbers and Ratings

Voltage Rating			Current Rating		Insul TR Nbr	Type VIPA (Aluminum)			Type VIPC (Copper)		
Nom	Max	BIL	Cont	Mom		Catalog	Weight, Lbs		Catalog	Weight, Lbs	
							Install	Ship		Install	Ship
15	15.5	110	600	40	205	VIPA-H01506S	648	971	VIPC-H01506S	819	1142
			1200	61	205	VIPA-H01512S	675	998	VIPC-H01512S	851	1174
			2000	100	205	VIPA-H01520S	696	1019	VIPC-H01520S	909	1232
			3000	100	225	VIPA-H01530S	1008	1331	VIPC-H01530S	1316	1639
23	25.8	150	600	40	208	VIPA-H02306S	749	1187	VIPC-H02306S	921	1359
			1200	61	208	VIPA-H02312S	780	1218	VIPC-H02312S	958	1396
			2000	100	208	VIPA-H02320S	801	1239	VIPC-H02320S	1017	1455
			3000	100	227	VIPA-H02330S	1218	1656	VIPC-H02330S	1546	1984
34.5	38	200	600	40	210	VIPA-H03406S	850	1313	VIPC-H03406S	1024	1487
			1200	61	210	VIPA-H03412S	885	1348	VIPC-H03412S	1067	1530
			2000	100	210	VIPA-H03420S	909	1372	VIPC-H03420S	1131	1594
			3000	100	231	VIPA-H03430S	1473	1936	VIPC-H03430S	1832	2295
46	48.3	250	600	40	214	VIPA-H04606S	999	1520	VIPC-H04606S	1176	1697
			1200	61	214	VIPA-H04612S	1041	1562	VIPC-H04612S	1227	1748
			2000	100	214	VIPA-H04620S	1065	1586	VIPC-H04620S	1292	1813
			3000	100	267	VIPA-H04630S	1656	2177	VIPC-H04630S	2010	2530
69	72.5	350	600	40	216	VIPA-H06906S	1322	2043	VIPC-H06906S	1533	2254
			1200	61	216	VIPA-H06912S	1377	2098	VIPC-H06912S	1602	2323
			2000	100	216	VIPA-H06920S	1419	2140	VIPC-H06920S	1688	2409
			3000	100	278	VIPA-H06930S	2129	2850	VIPC-H06930S	2532	3253
115	121	550	1200	61	286	VIPA-H11512S	2697	3236	VIPC-H11512S	2935	3474
			2000	100	286	VIPA-H11520S	2709	3248	VIPC-H11520S	2993	3532
			3000	100	286	VIPA-H11530S	2829	3368	VIPC-H11530S	3126	3665
138	145	650	1200	61	288	VIPA-H13812S	2982	3578	VIPC-H13812S	3274	3870
			2000	100	288	VIPA-H13820S	3006	3602	VIPC-H13820S	3317	3913
			3000	100	288	VIPA-H13830S	3144	3740	VIPC-H13830S	3469	4066
161	169	750 (1)	1200	61	291	VIPA-H16112S	3423	4108	VIPC-H16112S	3723	4408
			2000	100	291	VIPA-H16120S	3462	4147	VIPC-H16120S	3785	4469
			3000	100	291	VIPA-H16130S	3564	4249	VIPC-H16130S	3896	4581
230	242	900 (2)	1200	61	304	VIPA-H23012S	4737	5684	VIPC-H23012S	5046	5993
			2000	100	304	VIPA-H23020S	4791	5738	VIPC-H23020S	5126	6073
			3000	100	304	VIPA-H23030S	4827	5774	VIPC-H23030S	5164	6111
345	362	1050 (3)	1200	61	312	VIPA-H34512S	5325	6390	VIPC-H34512S	5672	6737
			2000	100	312	VIPA-H34520S	5265	6330	VIPC-H34520S	5633	6698
			3000	100	312	VIPA-H34530S	5350	6415	VIPC-H34530S	5724	6789

- (1) To specify a 161 kV switch with a 900 BIL, add "-0900" to the catalog number, ex. VIPA-H16112S-0900
- (2) To specify a 230 kV switch with a 1050 BIL, add "-1050" to the catalog number, ex. VIPA-H23012S-1050
- (3) To specify a 345 kV switch with a 1300 BIL, add "-1300" to the catalog number, ex. VIPA-H34530S-1300
- (4) To specify polymer insulators, change "S" to "P", ex. VIPA-H06906P
- (5) To specify vertical switch mounting, change "H" to "V", ex. VIPA-V06906S
- (6) To specify underhung switch mounting, change "H" to "U", ex. VIPA-U06906S
- (7) For Vee insulator configuration, add "-V" to the end of the catalog number, ex. VIPA-H06906S-V



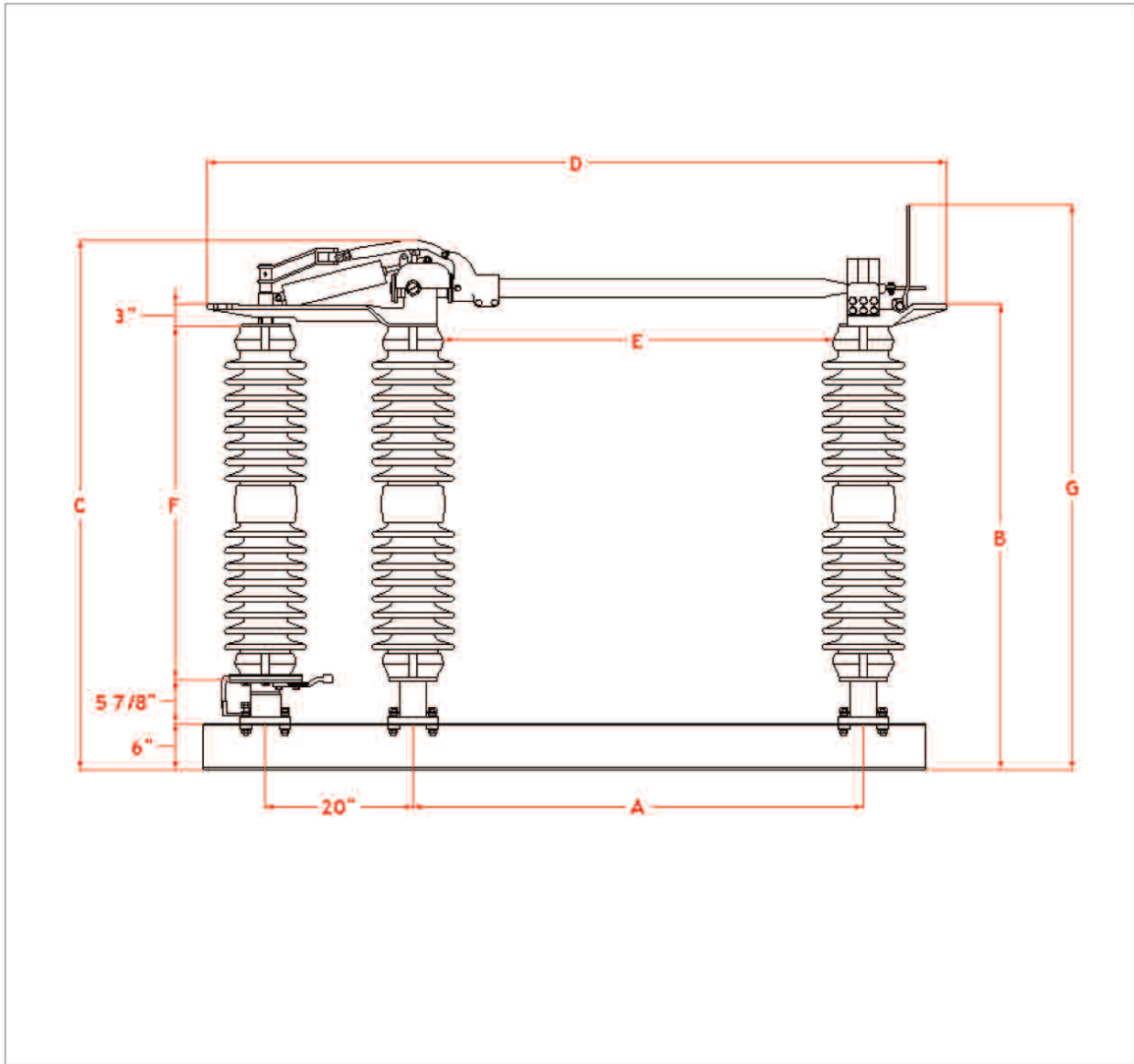
Dimensions in Inches (Unless Otherwise Specified)

kV	A	B	C	D	E	F	G
15	15	18 7/8	28	44 1/4	9 1/2	10	33 1/2
23	18	22 7/8	32	47 1/4	12 1/2	14	37 1/2
34.5	24	26 7/8	36	53 1/4	18 1/2	18	41 1/2
46	30	30 7/8	40	59 1/4	24 1/2	22	45 1/2
69	42	38 7/8	48	71 1/4	36 1/2	30	53 1/2



**Serving the Electrical Utility
Industry Since 1920**

Document PC-008-1
June 1, 2010



Dimensions in Inches (Unless Otherwise Specified)

kV	A	B	C	D	E	F	G
115	60	59 7/8	68 7/8	96	51 1/8	45	80 7/8
138	72	68 7/8	77 7/8	108	61 1/8	54	89 7/8
161	84	76 7/8	85 7/8	120	69 1/8	62	97 7/8
230	96	94 7/8	103 7/8	132	87 1/8	80	115 7/8
345	108	106 7/8	115 7/8	144	99 1/8	92	127 7/8