

Please contact our Application Engineering personnel at (704)-392-1396 if you require assistance in completing the Order Specification or if you have requirements other than what is shown. If we must contact you to confirm your information, please provide a contact name and number. If more than one switch type is required, please fill out a separate Order Specification sheet for each switch type.

Organization				Contact (Name)						
Phone #			_ E-Mail Address							
1. Switc	h Requi	iremen	ts							
1.1. Qu	uantity of	switches	required (3x	phases	per swite	ch)				
1.2. Re	equired S	witch rati	ngs:							Other
kV	15	23	34.5	46	69	115	138	161	230	041101
BIL (kV)	110	150	200	250	350	550	650	750	900	
			Amps	600	1200	2000	3000			
			Mom. (kA)	40	61	100	100			
2. Switc										
2.1. 1-	Way Swite	ch Applic	ations:							
1-Way	(Type G)		☐ In-l	Line (Ty	rpe GA)	2000		Cent	er-Vee (T	ype C-V)
☐ Vertical Break (Type VIP) (Specify Materi				terial)	rial) Side Break (Type SM)					

Aluminum

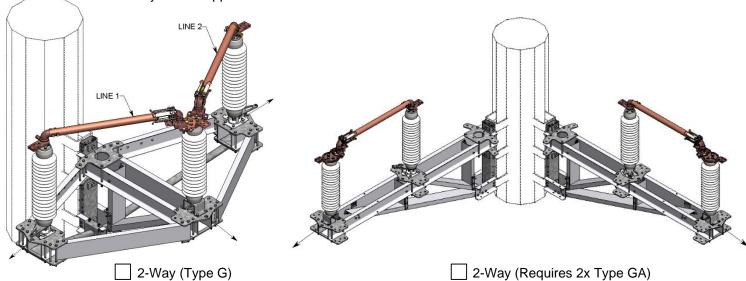
Copper

Hybrid

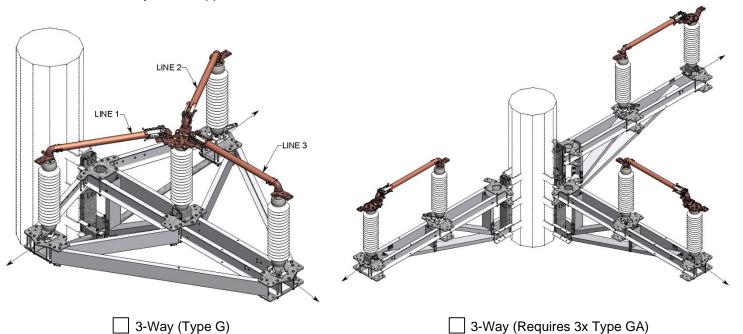


2.1.1. For 1-Way applications, specify switch configuration: Phase-Over-Phase Staggered Pole-Top Mid-Pole Multi-Structure Other ___ (Provide Drawing)

2.2. 2-Way Switch Application:

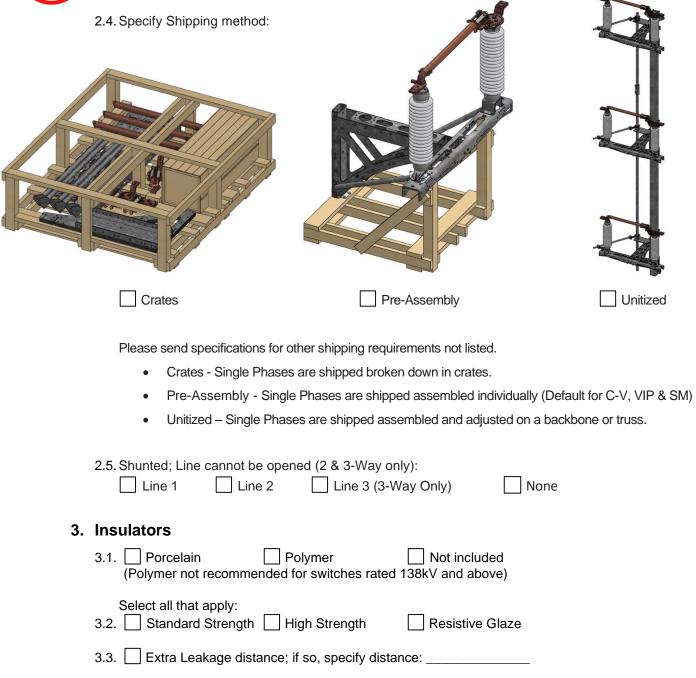


2.3. 3-Way Switch Applications:









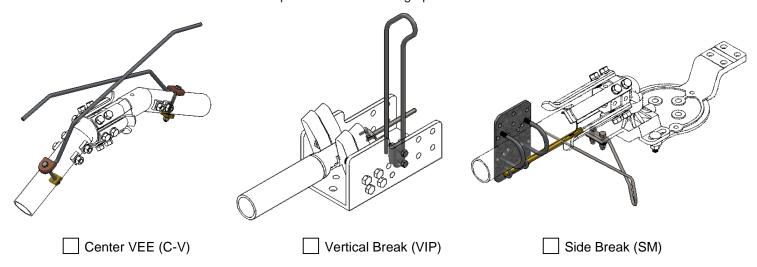
3.4. If other or special, specify TR or Catalog Number:

3.5. Specific manufacturer(s) (if required): _____



4. Interrupting Devices

- 4.1. No load breaking capability required:
 - 4.1.1. Wipe horns are a standard attachment on Center VEE (C-V), Vertical Breaks (VIP) and Side Break switches (SM). Wipe horns have no interrupting capability and are used as a first and last point of contact during operation.

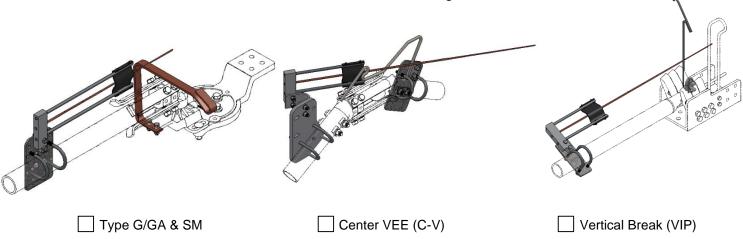


4.2. Line Dropping:

Fill out table below for line dropping requirements:

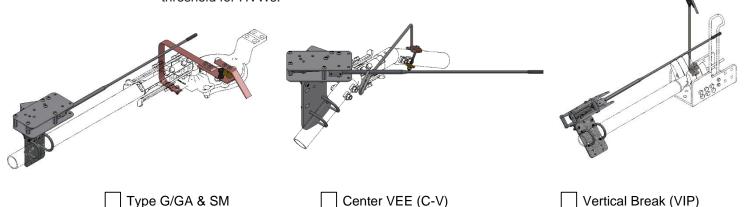
	Recovery Voltage	Amps	Length of line (mi)
Expected			

4.2.1. Arcing Horns: High-speed, snap-out arcing horns are a standard attachment for 1-Way (Type G/GA), 2-Way and 3-Way switches and used for a limited amount of line charging current. Type C-V, VIP and SM switches can all be upgraded to have snap-out arcing horns. Contact SEECO for the threshold for arcing horns.

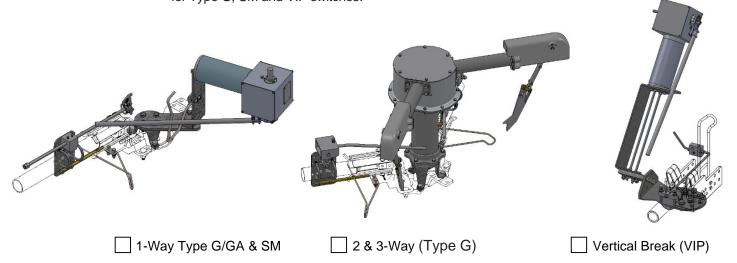




4.2.2. High Velocity Whips (HVWs): For interrupting a greater amount of line charging current. All switch types can be upgraded to have HVWs. Contact SEECO for the threshold for HVWs.

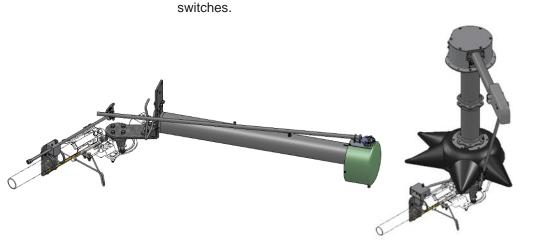


- 4.3. Single-Bottle Monoruptrs®:
 - 4.3.1. Single-Bottle interrupters (Monoruptrs®) are used for loop splitting applications where the recovery voltage does not exceed 30kV. Single-Bottle interrupters also serve as a full load break for switches rated 34.5kV and below. Single-Bottle interrupters are available for Type G, SM and VIP switches.





- 4.4. Multi-Bottle Monoruptrs®:
 - 4.4.1.Multi-Bottle interrupters (Monoruptrs®) are used when full load break is required for switches rated 46kV and above. The minimum number of bottles needed is determined by the voltage rating of the switch. The side-mounted interrupter can be used in place of the vertically stacked bottles to reduce phase spacing on 1-Way

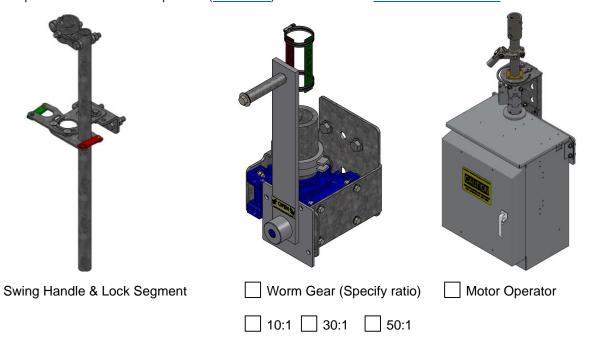


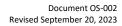
 kV
 46
 69
 115
 115
 138
 161
 230

 # of Bottles
 2
 3
 4
 5
 5
 6
 8

5. Switch Operator Type

5.1. Transmission switches are furnished with a swing handle and lock segment by default. If a different operator is required, specify below: For motor operators, refer to Order Specification for Motor Operator (OS-001-1) available online www.seecoswitch.com.







о.	Stru	ucture							
	6.1.	Wood Pole Laminated Wood Pole Concrete Pole							
		Steel Pole Steel Pole w/ Brackets Lattice Tower							
		Other:; (Provide Drawing)							
	6.2.	Expected above grade height:feet							
	6.3.	Shield Wire Present							
	6.4.	Distribution under build; if so, specify orientation and elevation							
		relative to switch:							
	6.	4.1. Additional Underbuilds present: specify orientation and							
	elevation relative to switch:								
	6.5.	Mechanical or electrical clearance concerns; if so, specify:							
6.6. Structure prints available, if so, please provide									
		Dimensional data, phase spacing, and allowable strain loads (conductor pull-off angles and tensions) for standard applications are available online (www.seecoswitch.com), or by contacting SEECO.							
	6.7.	Expected Dimensions:							
		Vertical distance between phases feet							
		Vertical distance from top phase to shield wire feet Vertical distance from ground to bottom phase feet							
		vertical distance from ground to bottom phase reet							
	6.8.	Tension (Type G/GA switches only):							
		Maximum Tension: 10,000#; Ultimate Tension: 16,500# Limited to Straight-Line Pull. For angular tensions, contact							
		the manufacturer. Tension must be equal on both sides.							
		For non-standard pull-offs, please provide a diagram/sketch.							
		Stabilizer kit may be required based on structure mounting or tensions values.							
7.	Оре	erating Environment							
	7.1.	Proposed geographical location of switch:							
	7.2.	Geographical location of switch is considered NESC:							
		Light Medium Heavy							
	7.3.	Altitude of switch will be feet above sea level							
	7.4.	Seasonal temperature extremes will vary from °F to °F							
	7.5.	Will the switches be subject to a salt-laden environment:							
		☐ Yes ☐ No							



8. Optional Features

If additional information is needed regarding the functionality of these options contact SEECO. Select all that apply:

8.1. Tin-plated terminal pads: (Not available for Aluminum or Hybrid VIP) Required	l					
8.2. Silver-coated blade ends: (Not available for VIP) Required						
8.3. Ground Platform Qty:						
3' x 4' (Default) 3' x 5'						
4' x 6' Other (Specify)						
	The state of the s					
8.4. Insulating Section:						
Porcelain: Qty:						
☐ TR-205 ☐ TR-210 ☐ TR-214						
☐ TR-216 ☐ TR-286						
Fiberglass: Qty:						
8'						
8.5. Open/Closed Designator: Required						
8.6. External Auxiliary Switches; Qty:						
Specify number of switches required						
2468	W					
☐ 10 ☐ 12 ☐ 14 ☐ 16						



8.7. Stabilizer Kit: (Available for 1, 2, & 3-W	/ay Type G/GA switch	nes)	
Required	•			
8.8. Extension Kit;				
8.9. Sensors requ (Refer to Sen Required	ired: sor Order Spec Sheet (<u>C</u>	<u>OS-006</u>) available at <u>v</u>	www.seecoswitch.com.	
8.10. Ground Switch	r; See Section 2.2 & 2.3	for lines. Qty:	_	
Line 1	Line 2 Line	3		
For 1-way, specify w Hinge	hich end:			
8.11. Keyed Mecha Select all that apply:	anical/Electrical Interlock	: Qty		
	hanical Electrical			