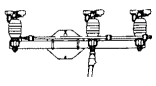
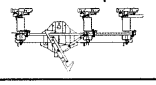
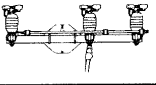
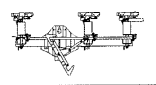
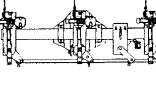




S&C OMNI-RUPTER SWITCHES—Three-Pole Side-Break Integer Style, with steel bases^①

Mounting Configuration	Standard Mounting/ Operating Arrangements ^②	Rating					Cypoxy Insulators ^⑥	Porcelain Station Post Insulators ^⑦	Page Reference for Dimensional Information	
		kV			Amperes, RMS					Catalog Number
		Nom.	Max	BIL	Cont. ^③	Mom. (Asym.) ^{④⑤}				
Upright ^⑧ 	ED-701R2 (-S1, -S2, -S6)	14.4	17.0	110	900	40 000	147412R1	147412R1-SP	10	
		25	29	150	900	40 000	147413R2	147413R2-SP		
Upright ^⑧ Hookstick Operated 	ED-700▲	14.4	17.0	110	900	40 000	147412R1-H 147412R1-H2	147412R1-HSP 147412R1-H2SP		
		25	29	150	900	40 000	147413R2-H 147413R2-H2	147413R2-HSP 147413R2-H2SP		
Upright ^{⑧⑩} (Extra Mounting Pole Clearance) 	ED-701R2 (-S1, -S2, -S6)	14.4	17.0	110	900	40 000	147422R1	147422R1-SP		
		25	29	150	900	40 000	147423R2	147423R2-SP		
Upright ^{⑧⑨} Hookstick Operated (Extra Mounting Pole Clearance) 	ED-700	14.4	17.0	110	900	40 000	147422R1-H 147422R1-H2	147422R1-HSP 147422R1-H2SP		
		25	29	150	900	40 000	147423R2-H 147423R2-H2	147423R2-HSP 147423R2-H2SP		
Vertical ^⑧ 	ED-703R2 (-S2, -S6, -S10, -S15)	14.4	17.0	110	900	40 000	147512R1	147512R1-SP		12
		25	29	150	900	40 000	147513R2	147513R2-SP		

① Switches shown include the appropriate set of operating-mechanism components as specified on the erection drawing (ED) for the switch. Switches do not include connectors (refer to table on page 3).

② The applicable Standard Mounting/Operating Arrangement, designated by the erection drawing (ED) number shown, should be specified when ordering. The “S” suffixes in parentheses for switches with vertical operating shafts identify available Standard Minor Modifications to the basic erection drawing. The applicable Standard Minor Modifications may be specified by adding the appropriate suffix to the erection drawing number. Refer to page 8 for description of Standard Minor Modifications. Note: The vertical pipe for these switches is limited to a total length of approximately 50 feet.

Although the ED-700 components for hookstick-operated switches are assembled to the switch and adjusted at the factory, some minor disassembly is required for shipping purposes. However, no adjustments should be required following reassembly in the field.

③ Omni-Rupter Switches rated 14.4 kV and 25 kV can carry up to 1000 amperes on a continuous basis for ambient temperatures to 40°C with a minimum wind velocity of two feet per second. *Emergency* interrupting performance may be expected for currents to 1000 amperes; refer to page 2 for detailed information concerning interrupting ratings.

④ The 1-second rating is 25,000 amperes RMS symmetrical and the 3-second rating is 16,000 amperes RMS symmetrical.

⑤ The *two-time* duty-cycle fault-closing capability for an Omni-Rupter Switch is 20,000 amperes RMS asymmetrical. The *three-time* duty-cycle fault-closing capability for these switches is 15,000 amperes RMS asym-

metrical. The duty-cycle fault-closing capability defines the ability to close the switch (without quick-make mechanism and when operated vigorously through its full travel without hesitation at any point) the specified number of times against a three-phase fault with asymmetrical current in at least one phase equal to the listed value, with the switch remaining operable and able to carry and interrupt rated continuous current.

⑥ Leakage distance is 14¹/₈ inches (359 mm) for 14.4-kV switches and 24¹/₈ inches (613 mm) for 25-kV switches.

⑦ Leakage distance is 15¹/₂ inches (394 mm) for 14.4-kV switches and 24 inches (610 mm) for 25-kV switches.

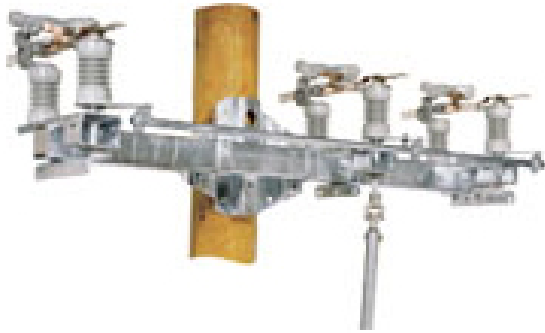
⑧ These switches include dead-ending brackets as standard. When dead-ending to these brackets, extension-link assemblies are required. Extension-link assemblies can be provided by adding suffix “-D” to the catalog number of the switch. Maximum dead-end loading: 2000 pounds per conductor where pull-off forces are applied to only one side of the switch; 8000 pounds per conductor where equal pull-off forces are applied to both sides of the switch (except switches with extra mounting pole clearance for which dead-end loading is limited to 1500 pounds per conductor where pull-off forces are applied to only one side of the switch.)

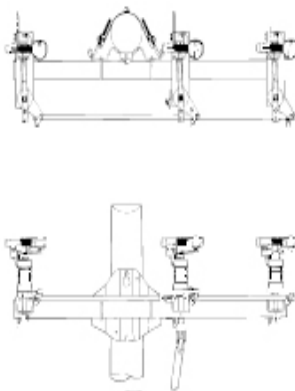
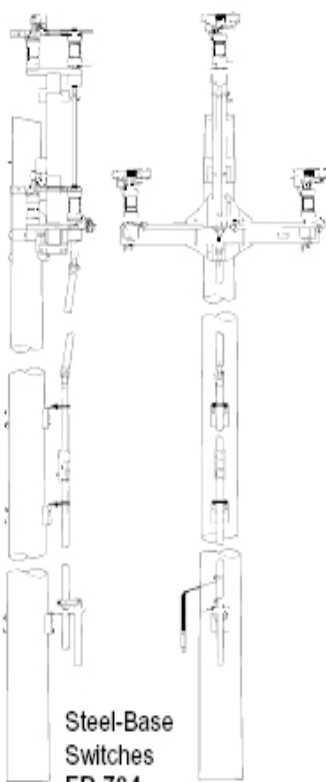
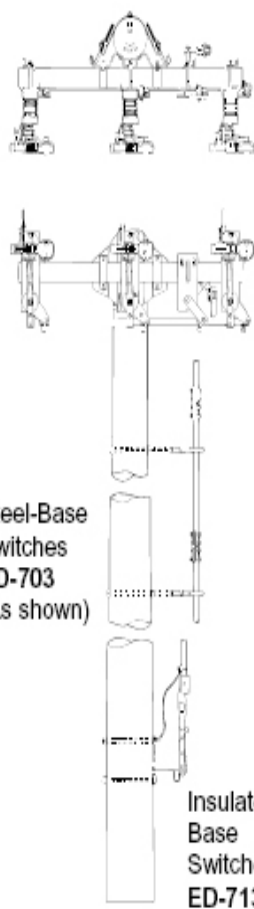
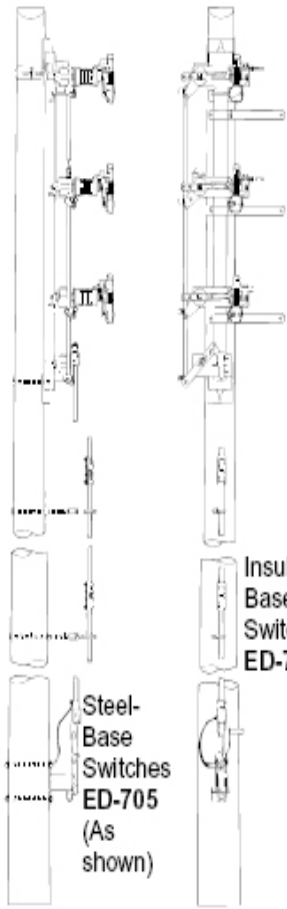
⑨ Switches with the “-H2” suffix are equipped with an enhanced hookstick-operated lockout/tagout device.

⑩ Switches in the vertical and tiered-outboard mounting configurations require the addition of shields (Catalog Number Suffix “-B”) to ensure the 3/4-inch ice-breaking capability of the switch.

Protection

SECTIONNEUR OMNI-RUPTEUR S&C / S&C OMNI-RUPTEUR SWITCH



Rotating-Type Operating Mechanism		Reciprocating-Type Operating Mechanism	
Upright	Triangular	Vertical	Tiered Outboard
 <p>Steel-Base Switches ED-701 (As shown)</p> <p>Insulated-Base Switches ED-711</p>	 <p>Steel-Base Switches ED-704 (As shown)</p>	 <p>Steel-Base Switches ED-703 (As shown)</p> <p>Insulated-Base Switches ED-713</p>	 <p>Insulated-Base Switches ED-715</p> <p>Steel-Base Switches ED-705 (As shown)</p>

Protection

**SECTIONNEUR OMNI-RUPTEUR S&C /
S&C OMNI-RUPTER SWITCH**