Specifications

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Standard

The seller's standard conditions of sale set forth in Price Sheet 150 apply, except as modified in Warranty Qualifications on page 8.

Special to this product

Inclusions

Remote supervisory PME Pad-Mounted Gear permits automated switching and provides fault protection for underground distribution systems. Specification of remote supervisory PME Pad-Mounted Gear with the communication and control equipment group provides for a completely integrated, self-powered switching and protection package for automated distribution installations.

The gear includes interrupter switches, switch operators, a low-voltage compartment, and power fuses. The communication and control equipment group includes current and voltage sensors, a self-contained 20 Volt-ampere power source, a battery with a charger, and a user-specified remote terminal unit (RTU) or S&C 6800 Series Switch Control and communication device. Refer to S&C Specification Bulletins 1045-31 and 1045-33 for more information on S&C 6800 Series Switch Controls.

S&C Mini-Rupter® Switches

The 600-ampere S&C Mini-Rupter Switches provide three-pole live switching of three-phase circuits. One or two Mini-Rupter Switches may be power-operated depending on the model selected, as illustrated by the connection diagrams in Table 2 on page 11 through page 15. Switch terminals are equipped with 600-ampere rated bushings with interfaces in accordance with ANSI/IEEE Standard 386 to accept all standard separable insulated connectors.

S&C Type PM Switch Operators

Type PM Switch Operators provide power operation of the associated Mini-Rupter Switch in response to a **Remote** or **Local** pushbutton signal. All Type PM Switch Operators include the following features as standard:

- An integral motor for power-operating the quick-make quick-break mechanism of the Mini-Rupter Switch (Switch operation is achieved in approximately 3 seconds.)
- **Open/Close** pushbuttons for local electrical operation
- A LOCAL/REMOTE selector switch that permits local control using pushbuttons when in **Local** mode while precluding remote operations, with remote indication of the selector-switch position
- Auxiliary switches for remote indication of **Open** and **Closed** switch positions
- A decoupler to permit switch operator operation without affecting the switch position
- An **Operation** counter
- A manual handle permitting local manual charging and tripping of the quick-make quick-break mechanism in the event control power is not available

Control Equipment Groups

Remote supervisory PME Pad-Mounted Gear may be purchased with the communication and control equipment group to provide a completely self-sufficient automated distribution switching and protection package. Alternately, they may be purchased with either a switch-control equipment group for use with an RTU by others or an S&C 6800 Series Automatic Switch Control (catalog number suffixes "-Y2" through "-Y4") or with a switch-control equipment group for use without an RTU (catalog number suffixes "-Y5" through "-Y7"). One of the control equipment groups must be specified when ordering. These control equipment groups are listed in Table 4 on page 16 and are described on page 3.

Communication and Control Equipment Group

Remote supervisory PME models specified with the communication and control equipment group make for a fully integrated package that is completely self-contained and factory-built. The communication and control equipment group includes a voltage sensor for single-phase sensing and a control-power source (for switch operators and RTU), a battery charger with battery packs, three-phase current sensing on power-operated switches, an RTU or S&C 6800 Series Automatic Switch Control, and communication device. The components furnished with the communication and control equipment group are described below:

- A user-specified RTU or S&C 6800 Series Automatic Switch Control installed and wired
- A user-specified communication device installed and wired, including a surge protector for a user-supplied antenna●
- An S&C Voltage Sensor on the power-operated Mini-Rupter Switch in Compartment 1 of PME-5 Models or Compartment 2 of all other models to provide power input to the S&C Battery Charger (Single-phase monitoring of system line voltage is also provided for input to the RTU. The voltage sensor replaces the center-phase insulator at the hinge-contact side of the Mini-Rupter Switch, so it requires no extra space in the enclosure. In addition, unlike voltage transformers, the voltage sensor's construction eliminates the need for any primary-side fusing and the space and operating difficulties they present. Three S&C Voltage Sensors are installed if an S&C 6800 Series Automatic Switch Control is used, and they provide power for the control and three-phase voltage sensing.)
- Three split-core current sensors rated 600/5 amperes for customer installation on the cables of each power-operated switch (The current sensors provide three-phase monitoring of system line current for input to the RTU.)
- Two series-connected 12-Volt, 5 ampere-hour battery packs (by Hawker) charged by an S&C-designed and manufactured temperature-compensated constant-voltage battery charger (The control-power source for the charger is the S&C Voltage Sensor. The battery charger features an integral load-disconnect circuit to prevent deep-discharge of batteries after extended loss of power input. It includes an alarm circuit to indicate loss of power input (field-selectable), battery low voltage, and charger overvoltage. The battery charger also includes circuitry to effect a **Battery Load Test** feature when used in conjunction with a suitable RTU. If an S&C 6800 Series control is installed, the S&C Voltage Sensor output is used by the 6800 Series control to charge the two 12-Vdc batteries. An S&C Battery Charger is not installed, and the battery monitoring, testing, and alarm reports are performed by the 6800 Series control.)■

The battery provides control power for operation of the entire installation, including the switch operators, RTU, and communication device. The battery charger and battery packs are installed in the Type PM Switch Operator located on the left side of Compartment 1 for PME-5 models or on the left side of Compartment 2 for all other models.

● S&C does not recommend the use of a 5-watt transceiver if the communication and control equipment group is powered by the S&C Voltage Sensor. The high-power draw of these radios puts the batteries into a cyclic loading condition, which may reduce battery life by up to 50%. Contact the nearest S&C Sales Office for details.

■ Frequent deep-discharge load testing of the batteries may put the batteries into a cyclic loading condition, which may reduce battery life by up to 50%. Contact the RTU manufacturer or the nearest S&C Sales Office for details.

Switch-Control Equipment Groups for Use with RTU by Others

When the RTU or S&C 6800 Series Automatic Switch Control, communication device, and associated control power are to be furnished and installed by others, specify one of the three switch control equipment groups for use with RTU by others (catalog number suffixes "-Y2" through "-Y4"). These switch control equipment groups differ only in the method of supplying control-power input to the switch operators as follows: When a 6800 Series control is used, it will provide the 24-Vdc supply. Three S&C Voltage Sensors are furnished for three-phase sensing and sensor power for the 6800 Series control.

- ***For an external user-supplied 24-Vdc source as control-power input to the switch operators:*** Specify catalog number suffix "-Y2." An S&C Voltage Sensor is furnished for single-phase sensing only. When a 6800 Series control is used, it will provide the 24-Vdc supply. Three S&C Voltage Sensors are furnished for three-phase sensing and sensor power for the 6800 Series control.
- ***For an external user-supplied 120-Vac source as input to an S&C Battery Charger and battery packs:*** Specify catalog number suffix "-Y3." This switch-control equipment group includes an S&C Battery Charger and battery packs that provide control-power input to the switch operators. An S&C Voltage Sensor is furnished for single-phase sensing only.
- ***For an internal S&C-supplied 20 Volt-ampere source as input to an S&C Battery Charger and battery packs:*** Specify catalog number suffix "-Y4." This switch-control equipment group includes an S&C Voltage Sensor, an S&C Battery Charger, and battery packs that provide control-power input to the switch operators. The voltage sensor provides only the power input to the battery charger. It is not usable for providing voltage sensing to the RTU.

The low-voltage compartment included with the Pad-Mounted gear has provisions for field installation of the user's RTU or S&C 6800 Series control and communication device. All connectors from switch operators, current sensors, and voltage sensors for connection to the user's RTU are located in the low-voltage compartment. The battery charger and battery packs, when furnished, are installed in the Type PM Switch Operator located on Compartment 1 of PME-5 models or on Compartment 2 of all other models. The voltage sensor is installed on the center phase at the hinge-contact side of the Mini-Rupter Switch in Compartment 1 or 2, as applicable.

These switch-control equipment groups for use with an RTU by others differ from the communication and control equipment group in the following ways:

- The RTU and communication device are not included and are to be supplied by others.
- The voltage sensor provides either single-phase sensing or control-power input to an S&C Battery Charger (but not both), depending on the specific suffix selected as described above and in Table 4 on page 16.
- The battery charger and battery packs are only furnished as described above and in Table 4 on page 16. When supplied, the battery packs only provide power to the switch operators and are not intended to supply power to any user-supplied equipment.

Switch-Control Equipment Groups for Use Without RTU

When the remote supervisory PME Pad-Mounted gear is not to be used in conjunction with an RTU, specify one of the three switch-control equipment groups for use without an RTU (suffixes "-Y5" through "-Y7"). These switch-control equipment groups differ only in the method of supplying control-power input to the switch operators as follows:

- ***For an external user-supplied 120-Vac source as control-power input without a battery backup:*** Specify catalog number suffix "-Y5." This switch-control equipment group includes an S&C Ac Power Supply that converts the 120-Vac input to 24-Vdc for control-power input to the switch operators.
- ***For an external user-supplied 120-Vac source as input to an S&C Battery Charger and battery packs:*** Specify catalog number suffix "-Y6." This switch-control equipment group includes an S&C Battery Charger and battery packs that provide control-power input to the switch operators.
- ***For an internal S&C-supplied 20 Volt-ampere source as input to an S&C Battery Charger and battery packs:*** Specify catalog number suffix "-Y7." This switch-control equipment group includes an S&C Voltage Sensor, an S&C Battery Charger, and battery packs that provide control-power input to the switch operators.

The voltage sensor, battery charger, and battery packs are the same as, and are installed in the same locations as, the corresponding components furnished with the switch-control equipment groups for use with an RTU by others.

All connectors from switch operators for connection to the user's wiring are located in the low-voltage compartment included with the remote supervisory PME Pad-Mounted Gear.

S&C Power Fuses

Remote supervisory PME models offer a choice of S&C Type SME-20 and SME-4Z Power Fuses or Fault Fiter® Electronic Power Fuses. Fault Fiter Electronic Power Fuse mountings also accommodate a variety of single-barrel current-limiting fuses as listed in Table 13 on page 25.

Fuses provide fault protection of the tap circuits, and loadbreak inserts and separable insulated connectors supplied by the user permit single-pole switching of the taps. These units feature S&C TransFuser™ Mountings, which are fuse-handling mechanisms with a mechanical interlock that guards against gaining access to the fuse before opening the loadbreak separable insulated connector at the fuse terminal. The fuse is accessible only when de-energized and isolated for full-view non-loadbreak disconnection and removal with a shotgun stick. Fuse terminals are equipped with 200-ampere-rated bushing wells with interfaces in accordance with ANSI/IEEE Standard 386 to accept all standard separable insulated connectors and inserts.

Enclosure Construction

All low-voltage wiring is shielded from medium voltage and is routed in a 6-inch (152-mm) interconnecting control-wiring base spacer that increases enclosure height accordingly.

Enclosures containing medium voltage meet the requirements of ANSI C57.12.28 (enclosure integrity). Access to the interior of the termination compartments, switch operators, and low-voltage compartment is controlled by the S&C Penta-Latch® Mechanism. The Penta-Latch Mechanism provides automatic door latching and permits padlocking only when the door is securely latched. The door can be opened only with a pentahead socket wrench or tool.

The enclosure roof over each compartment is undercoated with an insulating "no-drip" compound. A resilient closed-cell gasket on the bottom flange of the PME Pad-Mounted gear protects the finish from being scratched during installation and isolates it from the alkalinity of a concrete foundation. Similar gasketing is provided between each switch operator or low-voltage compartment and the medium-voltage compartments. Enclosures are protected from corrosion by S&C's olive green Ultradur® II Outdoor Finish.

All medium-voltage switch and fuse components are completely encased in an inner grounded steel compartment. The component compartment floor of 22-gauge galvanized steel sheet excludes foliage and animals. Fiberglass-reinforced polyester barriers are provided where required to achieve published BIL ratings.

The roof sections over the cable compartments are hinged to allow for easy cable pulling during installation.

Parking stands are provided adjacent to each bushing and bushing well. Grounding provisions suitable for use with separable insulated connectors and related accessories are located in each termination compartment. Full-length steel barriers separate adjoining termination compartments (where applicable). PME models are provided with an instruction manual holder and storage racks on each fuse termination-compartment door for spare S&C Fuse Units, Refill Units, or Interrupting Modules.

Exclusions

For applications that don't use the IntelliTeam® SG Automatic Restoration System, S&C may be able to furnish and install in the communication and control equipment group or make provision for in the switch-control equipment group, a user-specified communication device, as indicated in Table 4 on page 16. S&C will need to evaluate the physical and electrical requirements of the communication device and its performance characteristics and conduct qualification testing to verify its suitability for the desired application.

Refer to the nearest S&C Sales Office for scheduling information. S&C cannot furnish or install any communication device for which the supplier requires S&C to offer Tier I (i.e., "help desk") support.

Application Notes

For adequate power to be available, S&C Voltage Sensors must be applied at system line-to-line voltages ranging from 11.43 kV through 17.0 kV for 14.4-kV models and from 20.44 kV through 29 kV for 25-kV models. For lower system voltages, contact the nearest S&C Sales Office.

Because remote supervisory PME models include a 6-inch (152-mm) interconnecting control wiring base spacer, they can be used to directly replace installed manually operated units only under either of the following conditions:

- There is adequate installed cable to compensate for the 6-inch (152-mm) increased height of the remote supervisory model.
- Suitable cable splices are made.

Switching with Mini-Rupter Switches

Remote supervisory PME Pad-Mounted Gear features S&C Mini-Rupter Switches for three-pole live switching of three-phase circuits.

Complete ratings for Mini-Rupters as applied in S&C PME Pad-Mounted Gear are shown in Table 1. In addition to the load-dropping ratings shown, the Mini-Rupter Switch is capable of interrupting transformer magnetizing currents associated with the applicable loads as well as line-charging and cable-charging currents typical for distribution systems of these voltage ratings.

For applications on systems rated higher than 7.2 kV and involving load current with high harmonic content (such as rectifier load currents), refer to the nearest S&C Sales Office. The two-time duty-cycle fault-closing ratings shown for Mini-Rupter Switches define the ability to close the Mini-Rupter Switch twice against a three-phase fault with asymmetrical current in at least one phase equal to the rated value, with the switch remaining operable and able to carry and interrupt rated current.

A Note on Single-Pole Switching

In using separable insulated connectors (elbows) for single-pole switching of three-phase transformers or transformer banks (or single-phase transformers connected line to line) where maximum system operating voltage exceeds 22 kV, circuit connections or parameters may, in some cases, produce overvoltages that exceed the switching capability of the elbow. Therefore, follow the elbow manufacturer's recommendations and the user's operating and safety procedures for switching such transformers from other than at the transformer location when they are unloaded or lightly loaded.

Recommended Voltage Ratings of Current-Limiting Fuses for Use in S&C Pad-Mounted Gear

In general, current-limiting fuses should have a maximum voltage rating equal to, but not greater than, 140% of the system line-to-line voltage because for most applications, the fuses can be exposed to full system line-to-line voltage in clearing faults. Although there may be economic or space-saving incentives for using current-limiting fuses with voltage ratings "appropriate for system line-to-ground voltage" (i.e., fuses with a voltage rating lower than line-to-line voltage but greater than or equal to maximum system line-to-ground voltage), S&C can recommend such use only in any of the following applications:

- Protection of single-phase transformers serving single-phase loads
- Protection of three-phase lateral circuits fed by single-conductor shielded cable (provided each transformer on that lateral is individually fused so the current-limiting fuse serving the lateral will not be required to clear secondary faults)
- Protection of single-phase lateral circuits fed by single-conductor shielded cable where the load is line-to-ground connected

In addition, the following items should be considered when applying remote supervisory PME Pad-Mounted Gear:

Ungrounded systems. Remote supervisory PME Pad-Mounted Gear is not intended for use on ungrounded systems. Power to the remote supervisory PME Pad-Mounted Gear is provided by a 20-VA voltage sensor connected phase to ground. Because the sensor is connected phase to ground, it is not able to provide power on ungrounded systems. Contact the nearest S&C Sales Office for more information on applying remote supervisory PME Pad-Mounted Gear on ungrounded systems.

Uni-Grounded and Resistance-Grounded Systems. Uni-grounded and resistance-grounded systems require power from a phase-to-phase connected source. Power to the remote supervisory PME Pad-Mounted Gear is provided by a 20-VA voltage sensor connected phase to ground. Therefore, the sensor is unable to provide power on resistively grounded or uni-grounded systems. Power must be supplied by an external source if remote supervisory PME Pad-Mounted Gear is to be applied on a resistively grounded or uni-grounded system. Contact the nearest S&C Sales Office for more information on applying remote supervisory PME Pad-Mounted Gear on uni-grounded or resistance-grounded systems.

Achieving 25-kA Short-Circuit Rating in 14.4-kV Models

As indicated in Table 1 on page 10, specific 14.4-kV models have a short-circuit rating of 25,000 amperes, RMS, symmetrical and 620 MVA. They include:

- **PME-5, PME-6, PME-9, and PME-11 gear furnished with Fault Fiter fuse mountings**. When certain non-S&C-manufactured current-limiting fuses are used having a rated maximum interrupting current of at least 25,000 amperes, RMS, symmetrical and limiting the instantaneous peak let-through current to less than 36,000 amperes (Refer to Table 2 of S&C Information Bulletin 660-50.)
- **PME-10 gear.** In each instance, separable connectors and cables installed in the switch compartments must be rated 25,000 amperes, RMS, symmetrical. In addition, the gear cannot be furnished with optional 200-ampere bushing wells in lieu of 600-ampere bushings at the switch terminals, catalog number suffix "-M4."

Spare Components

Spare electronic components are available for use in troubleshooting communication and control equipment should the need arise. Contact the nearest S&C Sales Office for availability.

Warranty Qualifications

The standard warranty contained in the seller's standard conditions of sale (as set forth in Price Sheet 150) does not apply to remote supervisory PME Pad-Mounted Gear where fuse units, fuse unit end-fittings, holders, refill units, or switch blades of other than S&C manufacture are used in conjunction with S&C SME Mountings. Nor does it apply to remote supervisory PME Pad-Mounted Gear where other than Fault Fiter Electronic Power Fuses, S&C Switch Blades, or the current-limiting fuses listed in Table 2 of S&C Information Bulletin 660-50. are used in conjunction with Fault Fiter Electronic Power Fuse mountings and S&C Holders designed therefore or when current-limiting fuses are applied other than as set forth in the "Recommended Voltage Ratings of Current-Limiting Fuses for Use in S&C Pad-Mounted Gear" section on page 7.

The seller's standard warranty does not apply to major components not of S&C manufacture, such as remote terminal units and communication devices, including hardware, software, resolution of protocol-related matters, and notification of upgrades or fixes for those devices.

Complete the following steps for a typical order for remote supervisory PME Pad-Mounted Gear:

Fuse Gear, Control Equipment Groups, and Options:

STEP 1. Obtain the catalog number of the desired unit from Table 2 on page 11 through 15.

Catalog Number: ☐☐☐☐☐☐☐☐

STEP 2. Obtain the suffix designation for the control equipment group from Table 4 on page 16 and add the corresponding suffix to the above catalog number. For the communication and control equipment group, complete S&C Form 212, "Automated Distribution Equipment Application Summary," and forward a copy of the form to the nearest S&C Sales Office.

Suffix: – ☐☐

STEP 3. Add additional suffix designations (to the catalog number above) to indicate the optional features desired, selected from Table 5 on page 17 through 19.

Suffix(es): – ☐☐☐–☐☐

STEP 4. Obtain the catalog number of the connector from Table 3.

Catalog Number: ☐☐☐☐

STEP 5. List any accessories from Table 15 on page 26.

Fuse Components and Switch Blades:

STEP 6. ***For SML-4Z Power Fuses:*** Obtain the catalog number of the holder and refill units from Table 7 on page 20 and Table 10 on page 23, taking care to match the voltage rating of the holder to the refill units.

Catalog Number: ☐☐☐☐☐W

STEP 7. ***For SML-20 Power Fuses:*** Obtain the catalog number of the end-fittings and fuse units from Table 6 on page 19, Table 7 on page 20, and Table 9 on page 21, making sure to match the voltage rating of the end-fittings to the fuse units.

Catalog Number: ☐☐☐☐☐☐

STEP 8. ***For Fault Fiter Electronic Power Fuses:*** Obtain the catalog number for the holders, the interrupting modules, and the control modules from Table 8 on page 20, Table 11 on page 24, Table 12 on page 24, and Table 13 on page 25, making sure to match the voltage rating of the holders, interrupting modules, and the control modules.

Catalog Number: ☐☐☐☐☐☐

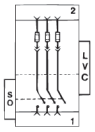
Example: The catalog number of a 14.4-kV remote supervisory Model PME-9 with SML-20 Mountings; two Type PM Switch Operators; a switch-control equipment group including a battery charger, battery packs, a voltage sensor for self-contained power source, and current sensors for three-phase current sensing on both Mini Rupter Switches (with an RTU and communications device by others); optional key interlocks to prevent paralleling of switches in compartments 1 and 2; and 600-ampere bushings without studs, at switch terminals is 266152R3-C1M1Y4. Select a fuse unit end-fitting and SMU-20® Fuse Unit as applicable.

2 6 6 1 5 2 R 3 – C 1 M 1 Y 4

Table 1. Ratings for Mini-Rupter Switches

Voltage, kV			Current, Amperes						
				Live Switching		Three-Time Duty-Cycle Fault-Closing		Short-Circuit	
Nom.	Max	BIL	Cont.	Load Splitting (Parallel or Loop Switching)	Load Dropping	Peak	RMS, Sym	Peak Withstand, Peak	One-Second Short-Time Withstand, RMS, Sym.
14.4	17	95	600	600	600	65 000	25 000	65 000	25 000
25	29	125	600	600	600	32 500	12 500	32 500	12 500

Table 2. Three-Phase Units① (Including mountings, less fuse components②)

Model③ and Connection Diagram④	Fuse Type	Ratings										Catalog Number	Net Wt., Lbs. (kg)	Page Ref. for Dimen-sions
		Voltage, kV			Current, Amperes, RMS			Short-Circuit						
						Mini-Rupter		Current, Amperes, RMS, Symmetrical⑤			MVA 3-Phase Sym. at Rated Voltage			
		Nom.	Max	BIL	Fuse, Max	Cont.	Load Dropping	Mini-Rupter	Main Bus	Pad-Mounted Gear⑥				
PME-5● 	SME-20	14.4	17	95	200E■	600	600	25 000	14 000	14 000	350	166112R3	950 (431)	28
		25	27	125	200E■	600	600	12 500	12 500	12 500	540	166113R3	1250 (567)	
	SME-4Z	14.4	17	95	200E	600	600	25 000	14 000	12 500	310	166312R3	950 (431)	
		25	27	125	200E	600	600	12 500	12 500	12 500▲	540▲	166313R3	1250 (567)	
	Fault Fiter⑦	14.4	17	95	200	600	600	25 000	14 000	14 000◆	350◆	166512R3	950 (431)	
		25	29	125	200	600	600	12 500	12 500	12 500	540	166513R3	1250 (567)	

① One of the control equipment groups listed in Table 4 on page 16 must be specified when ordering.

② Fuse components must be ordered separately.

③ Vertical-type portable feedthru inserts cannot be accommodated in fuse termination compartments of models furnished with SME-20 Power Fuses or Fault Fiter Electronic Power Fuses. Also, "piggybacked" Blackburn 600-ampere T-bodies cannot be accommodated in switch termination compartments.

④ Compartment numbers are shown at corners of connection diagram.

⑤ Asymmetrical current rating is 1.6 times symmetrical current rating.

⑥ Short-circuit rating of a complete pad-mounted gear unit may be limited by ratings of bushing inserts, elbows, T-bodies, fuses, and cables used. Fault-closing and/or short-circuit ratings of switches and bus and interrupting ratings of fuses meet or exceed the short-circuit rating of the gear. For complete switch ratings, refer to the "Application Notes" section on pages 6 through 8.

⑦ Fault Fiter fuse mountings accommodate certain non-S&C-manufactured current-limiting fuses. Refer to Table 2 of S&C Information Bulletin 660-50. The maximum voltage and current ratings indicated in that table apply. Consult fuse manufacturer for complete fuse ratings.

● Optional key interlocks, suffix "-C3" or "-C4," must be furnished if the end user is not an electric utility.

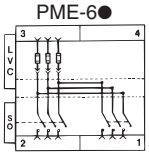
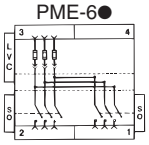
■ SMU-20 Fuse Units are available in ratings through 200K amperes as well as 200E amperes.

▲ Applicable to solidly grounded-neutral systems only, with fuses connected by single-conductor, concentric-neutral type cable to a transformer(s). Rating is 9,400 amperes, RMS, symmetrical (405 MVA) for all other applications.

◆ 25,000 amperes, RMS, symmetrical and 620 MVA when certain non-S&C-manufactured current-limiting fuses are used having a rated maximum interrupting current of at least 25,000 amperes, RMS, symmetrical and limiting the instantaneous peak let-through current to less than 36,000 amperes. Refer to Table 2 of S&C Information Bulletin 660-50. Separable connectors and cables installed in switch compartments must be rated 25,000 amperes, RMS, symmetrical; gear cannot be furnished with optional 200-ampere bushing wells in lieu of 600-ampere bushings at switch terminals, catalog number suffix "-M4."

TABLE CONTINUED ►

Table 2. Three-Phase Units① (Including mountings, less fuse components②)—Continued

Model③ and Connection Diagram④	Fuse Type	Ratings										Catalog Number	Net Wt., Lbs. (kg)	Page Ref. for Dimensions
		Voltage, kV			Current, Amperes, RMS			Short-Circuit						
						Mini-Rupter		Current, Amperes, RMS, Symmetrical⑤			MVA 3-Phase Sym. at Rated Voltage			
		Nom.	Max	BIL	Fuse, Max	Cont.	Load Dropping	Mini-Rupter	Main Bus	Pad-Mounted Gear⑥				
 PME-6●	SME-20	14.4	17	95	200E■	600	600	25 000	25 000	14 000	350	166122R3	1700 (771)	29
		25	27	125	200E■	600	600	12 500	12 500	12 500	540	166123R3	2125 (964)	
	SME-4Z	14.4	17	95	200E	600	600	25 000	25 000	12 500	310	166322R3	1700 (771)	
		25	27	125	200E	600	600	12 500	12 500	12 500▲	540▲	166323R3	2125 (964)	
	Fault Fiter⑦	14.4	17	95	200	600	600	25 000	25 000	14 000◆	350◆	166522R3	1700 (771)	
		25	29	125	200	600	600	12 500	12 500	12 500	540	166523R3	2125 (964)	
 PME-6●	SME-20	14.4	17	95	200E■	600	600	25 000	25 000	14 000	350	266122R3	1700 (771)	30
		25	27	125	200E■	600	600	12 500	12 500	12 500	540	266123R3	2125 (964)	
	SME-4Z	14.4	17	95	200E	600	600	25 000	25 000	12 500	310	266322R3	1700 (771)	
		25	27	125	200E	600	600	12 500	12 500	12 500▲	540▲	266323R3	2125 (964)	
	Fault Fiter⑦	14.4	17	95	200	600	600	25 000	25 000	14 000◆	350◆	266522R3	1700 (771)	
		25	29	125	200	600	600	12 500	12 500	12 500	540	266523R3	2125 (964)	

① One of the control equipment groups listed in Table 4 on page 16 must be specified when ordering.

② Fuse components must be ordered separately.

③ Vertical-type portable feedthru inserts cannot be accommodated in fuse termination compartments of models furnished with SME-20 Power Fuses or Fault Fiter Electronic Power Fuses. Also, "piggybacked" Blackburn 600-ampere T-bodies cannot be accommodated in switch termination compartments.

④ Compartment numbers are shown at corners of connection diagram.

⑤ Asymmetrical current rating is 1.6 times symmetrical current rating.

⑥ Short-circuit rating of a complete pad-mounted gear unit may be limited by ratings of bushing inserts, elbows, T-bodies, fuses, and cables used. Fault-closing and/or short-circuit ratings of switches and bus and interrupting ratings of fuses meet or exceed the short-circuit rating of the gear. For complete switch ratings, refer to the ""Application Notes" section on pages 6 through 8.

⑦ Fault Fiter fuse mountings accommodate certain non-S&C-manufactured current-limiting fuses. Refer to Table 2 of S&C Information Bulletin 660-50. The maximum voltage and current ratings indicated in that table apply. Consult fuse manufacturer for complete fuse ratings.

● Optional key interlocks, suffix "-C3" or "-C4," must be furnished if the end user is not an electric utility.

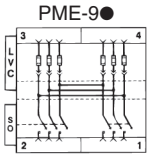
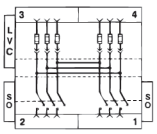
■ SMU-20 Fuse Units are available in ratings through 200K amperes as well as 200E amperes.

▲ Applicable to solidly grounded-neutral systems only, with fuses connected by single-conductor, concentric-neutral type cable to a transformer(s). Rating is 9,400 amperes, RMS, symmetrical (405 MVA) for all other applications.

◆ 25,000 amperes, RMS, symmetrical and 620 MVA when certain non-S&C-manufactured current-limiting fuses are used having a rated maximum interrupting current of at least 25,000 amperes, RMS, symmetrical and limiting the instantaneous peak let-through current to less than 36,000 amperes. Refer to Table 2 of S&C Information Bulletin 660-50. Separable connectors and cables installed in switch compartments must be rated 25,000 amperes, RMS, symmetrical; gear cannot be furnished with optional 200-ampere bushing wells in lieu of 600-ampere bushings at switch terminals, catalog number suffix "-M4."

TABLE CONTINUED ►

Table 2. Three-Phase Units① (Including mountings, less fuse components②)—Continued

Model③ and Connection Diagram④	Fuse Type	Ratings										Catalog Number	Net Wt., Lbs. (kg)	Page Ref. for Dimensions
		Voltage, kV			Current, Amperes, RMS			Short-Circuit						
						Mini-Rupter		Current, Amperes, RMS, Symmetrical⑤			MVA 3-Phase Sym. at Rated Voltage			
		Nom.	Max	BIL	Fuse, Max	Cont.	Load Dropping	Mini-Rupter	Main Bus	Pad-Mounted Gear⑥				
 PME-9●	SME-20	14.4	17	95	200E■	600	600	25 000	25 000	14 000	350	166152R3	1700 (771)	31
		25	27	125	200E■	600	600	12 500	12 500	12 500	540	166153R3	2125 (964)	
	SME-4Z	14.4	17	95	200E	600	600	25 000	25 000	12 500	310	166352R3	1700 (771)	
		25	27	125	200E	600	600	12 500	12 500	12 500▲	540▲	166353R3	2125 (964)	
	Fault Fiter⑦	14.4	17	95	200	600	600	25 000	25 000	14 000◆	350◆	166552R3	1700 (771)	
		25	29	125	200	600	600	12 500	12 500	12 500	540	166553R3	2125 (964)	
 PME-9●	SME-20	14.4	17	95	200E■	600	600	25 000	25 000	14 000	350	266152R3	1700 (771)	32
		25	27	125	200E■	600	600	12 500	12 500	12 500	540	266153R3	2125 (964)	
	SME-4Z	14.4	17	95	200E	600	600	25 000	25 000	12 500	310	266352R3	1700 (771)	
		25	27	125	200E	600	600	12 500	12 500	12 500▲	540▲	266353R3	2125 (964)	
	Fault Fiter⑦	14.4	17	95	200	600	600	25 000	25 000	14 000◆	350◆	266552R3	1700 (771)	
		25	29	125	200	600	600	12 500	12 500	12 500	540	266553R3	2125 (964)	

① One of the control equipment groups listed in Table 4 on page 16 must be specified when ordering.

② Fuse components must be ordered separately.

③ Vertical-type portable feedthru inserts cannot be accommodated in fuse termination compartments of models furnished with SME-20 Power Fuses or Fault Fiter Electronic Power Fuses. Also, "piggybacked" Blackburn 600-ampere T-bodies cannot be accommodated in switch termination compartments.

④ Compartment numbers are shown at corners of connection diagram.

⑤ Asymmetrical current rating is 1.6 times symmetrical current rating.

⑥ Short-circuit rating of a complete Pad-Mounted gear unit may be limited by ratings of bushing inserts, elbows, T-bodies, fuses, and cables used. Fault-closing and/or short-circuit ratings of switches and bus and interrupting ratings of fuses meet or exceed the short-circuit rating of the gear. For complete switch ratings, refer to the "Application Notes" section on pages 6 through 8.

⑦ Fault Fiter fuse mountings accommodate certain non-S&C-manufactured current-limiting fuses. Refer to Table 2 of S&C Information Bulletin 660-50. The maximum voltage and current ratings indicated in that table apply. Consult fuse manufacturer for complete fuse ratings.

● Optional key interlocks, suffix "-C3" or "-C4," must be furnished if end user is not an electric utility.

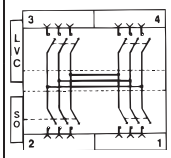
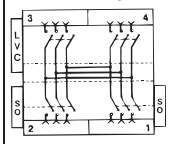
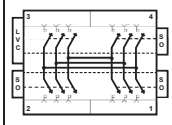
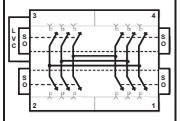
■ SMU-20 Fuse Units are available in ratings through 200K amperes as well as 200E amperes.

▲ Applicable to solidly grounded-neutral systems only, with fuses connected by single-conductor, concentric-neutral type cable to a transformer(s). Rating is 9,400 amperes, RMS, symmetrical (405 MVA) for all other applications.

◆ 25,000 amperes, RMS, symmetrical and 620 MVA when certain non-S&C-manufactured current-limiting fuses are used having a rated maximum interrupting current of at least 25,000 amperes, RMS, symmetrical and limiting the instantaneous peak let-through current to less than 36,000 amperes. Refer to Table 2 of S&C Information Bulletin 660-50. Separable connectors and cables installed in switch compartments must be rated 25,000 amperes, RMS, symmetrical; gear cannot be furnished with optional 200-ampere bushing wells in lieu of 600-ampere bushings at switch terminals, catalog number suffix "-M4."

TABLE CONTINUED ►

Table 2. Three-Phase Units① (Including mountings, less fuse components②)—Continued

Model③ and Connection Diagram④	Fuse Type	Ratings										Catalog Number	Page Ref. for Dimensions
		Voltage, kV			Current, Amperes, RMS			Short-Circuit					
						Mini-Rupter		Current, Amperes, RMS, Symmetrical⑤			MVA 3-Phase Sym. at Rated Voltage		
		Nom.	Max	BIL	Fuse, Max	Cont.	Load Dropping	Mini-Rupter	Main Bus	Pad-Mounted Gear⑥			
PME-10 	—	14.4	17	95	—	600	600	25 000	25 000	25 000▼	620▼	166242R3	33
		25	27	125		600	600	12 500	12 500	12 500	540	166243R3	
PME-10 	—	14.4	17	95	—	600	600	25 000	25 000	25 000▼	620▼	266242R3	34
		25	27	125		600	600	12 500	12 500	12 500	540	266243R3	
PME-10 	—	14.4	17	95	—	600	600	25 000	25 000	25 000▼	620▼	366242R3	35
		25	29	125		600	600	12 500	12 500	12 500	540	366243R3	
PME-10 □ 	—	14.4	17	95	—	600	600	25 000	25 000	25 000▼	620▼	466242R3	36
		25	29	125		600	600	12 500	12 500	12 500	540	466243R3	

① One of the control equipment groups listed in Table 4 on page 16 must be specified when ordering.

② Fuse components must be ordered separately.

③ Vertical-type portable feedthru inserts cannot be accommodated in fuse termination compartments of models furnished with SME-20 Power Fuses or Fault Fiter Electronic Power Fuses. Also, “piggybacked” Blackburn 600-ampere T-bodies cannot be accommodated in switch termination compartments.

④ Compartment numbers are shown at corners of connection diagram.

⑤ Asymmetrical current rating is 1.6 times symmetrical current rating.

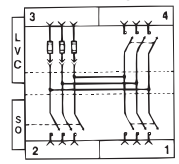
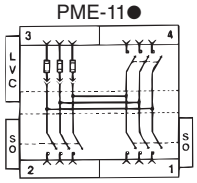
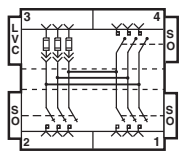
⑥ Short-circuit rating of complete Pad-Mounted gear unit may be limited by ratings of bushing inserts, elbows, T-bodies, fuses, and cables used. Fault-closing and/or short-circuit ratings of switches and bus and interrupting ratings of fuses meet or exceed the short-circuit rating of the gear. For complete switch ratings, refer to the "Application Notes" section on pages 6 through 8.

▼ To achieve this rating, separable connectors and cables installed in switch compartments must be rated 25,000 amperes, RMS, symmetrical; gear cannot be furnished with optional 200-ampere bushing wells in lieu of 600-ampere bushings at switch terminals, catalog number suffix “-M4.” Otherwise, gear is rated 14,000 amperes, RMS, symmetrical and 350 MVA

□ Refer to the nearest S&C Sales Office to determine placement of low-voltage compartment

TABLE CONTINUED ►

Table 2. Three-Phase Units① (Including mountings, less fuse components②)—Continued

Model③ and Connection Diagram④	Fuse Type	Ratings										Catalog Number	Page Ref. for Dimensions
		Voltage, kV			Current, Amperes, RMS			Short-Circuit					
						Mini-Rupter		Current, Amperes, RMS, Symmetrical⑤			MVA 3-Phase Sym. at Rated Voltage		
		Nom.	Max	BIL	Fuse, Max	Cont.	Load Dropping	Mini-Rupter	Main Bus	Pad-Mounted Gear⑥			
 PME-11●	SME-20	14.4	17	95	200E■	600	600	25 000	25 000	14 000	350	166162R3	37
		25	27	125	200E■	600	600	12 500	12 500	12 500	540	166163R3	
	SME-4Z	14.4	17	95	200E	600	600	25 000	25 000	12 500	310	166362R3	
		25	27	125	200E	600	600	12 500	12 500	12 500▲	540▲	166363R3	
	Fault Fiter⑦	14.4	17	95	200	600	600	25 000	25 000	14 000◆	350◆	166562R3	
		25	29	125	200	600	600	12 500	12 500	12 500	540	166563R3	
 PME-11●	SME-20	14.4	17	95	200E■	600	600	25 000	25 000	14 000	350	266162R3	38
		25	27	125	200E■	600	600	12 500	12 500	12 500	540	266163R3	
	SME-4Z	14.4	17	95	200E	600	600	25 000	25 000	12 500	310	266362R3	
		25	27	125	200E	600	600	12 500	12 500	12 500▲	540▲	266363R3	
	Fault Fiter⑦	14.4	17	95	200	600	600	25 000	25 000	14 000◆	350◆	266562R3	
		25	29	125	200	600	600	12 500	12 500	12 500	540	266563R3	
 PME-11●	SME-20	14.4	17	95	200E■	600	600	25 000	25 000	14 000	350	366162R3△	39
		25	27	125	200E■	600	600	12 500	12 500	12 500	540	366163R3△	
	SME-4Z	14.4	17	95	200E	600	600	25 000	25 000	12 500	310	366362R3△	
		25	27	125	200E	600	600	12 500	12 500	12 500▲	540▲	366363R3△	
	Fault Fiter⑦	14.4	17	95	200	600	600	25 000	25 000	14 000◆	350◆	366562R3△	
		25	29	125	200	600	600	12 500	12 500	12 500	540	366563R3△	

① One of the control equipment groups listed in Table 4 on page 16 must be specified when ordering.

② Fuse components must be ordered separately.

③ Vertical-type portable feedthru inserts cannot be accommodated in fuse termination compartments of models furnished with SME-20 Power Fuses or Fault Fiter Electronic Power Fuses. Also, "piggybacked" Blackburn 600-ampere T-bodies cannot be accommodated in switch termination compartments.

④ Compartment numbers are shown at corners of connection diagram.

⑤ Asymmetrical current rating is 1.6 times symmetrical current rating.

⑥ Short-circuit rating of a complete Pad-Mounted gear unit may be limited by ratings of bushing inserts, elbows, T-bodies, fuses, and cables used. Fault-closing and/or short-circuit ratings of switches and bus and interrupting ratings of fuses meet or exceed the short-circuit rating of the gear. For complete switch ratings, refer to the "Application Notes" section on pages 6 through 8.

⑦ Fault Fiter fuse mountings accommodate certain non-S&C-manufactured current-limiting fuses. Refer to Table 2 of S&C Information Bulletin 660-50. The maximum voltage and current ratings indicated in that table apply. Consult fuse manufacturer for complete fuse ratings.

● Optional key interlocks, catalog number suffix "-C3" or "-C4," must be furnished if the end user is not an electric utility.

■ SMU-20 Fuse Units are available in ratings through 200K amperes as well as 200E amperes.

▲ Applicable to solidly grounded-neutral systems only, with fuses connected by single-conductor, concentric-neutral type cable to a transformer(s). Rating is 9,400 amperes, RMS, symmetrical (405 MVA) for all other applications.

◆ 25,000 amperes, RMS, symmetrical and 620 MVA when certain non-S&C-manufactured current-limiting fuses are used having a rated maximum interrupting current of at least 25,000 amperes, RMS, symmetrical and limiting the instantaneous peak let-through current to less than 36,000 amperes. Refer to Table 2 of S&C Information Bulletin 660-50. Separable connectors and cables installed in switch compartments must be rated 25,000 amperes, RMS, symmetrical; gear cannot be furnished with optional 200-ampere bushing wells in lieu of 600-ampere bushings at switch terminals, catalog number suffix "-M4."

△ Custom catalog number, refer to the nearest S&C Sales Office.

Table 3. Connector

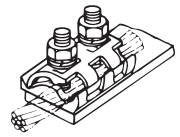
Illustration	Description	Accommodating Conductor	Catalog Number
	Bronze body, tin plated, two galvanized steel bolts, two Belleville washers	No. 2 solid (33.6 mm^2) through 500 kc mil (253 mm^2) stranded copper or aluminum	4745

Table 4. Control Equipment Groups

Item		Suffix to be Added to Pad-Mounted Gear Catalog Number	Applicable to Models
Communication and control equipment group①②—includes a user-specified remote terminal unit (RTU) or S&C 6800 Series Automatic Switch Control③, a user-specified communication device, a battery charger, battery packs, a voltage sensor for power input to battery charger and for single-phase voltage sensing, and current sensors for three-phase current sensing on each power-operated switch④⑤		●	All models
Switch-control equipment groups for use with RTU by others①②⑥—includes provisions for mounting of user-supplied and installed RTU, communication device, etc., in low-voltage compartment; current sensors (5-amperes ac output) for three-phase current sensing on each power-operated switch; voltage sensor (user-selectable 5-Vac or 69-Vac output) for single-phase voltage sensing (except suffix "-Y4"); with power for the switch operators supplied by④	User-supplied 24-Vdc source or provisions for S&C 6800 Series Switch Control③	-Y2	
	External control power—user-supplied 120-Vac source to an S&C Battery Charger and battery packs	-Y3	
	Internal control power—S&C-supplied (voltage sensor) 20 Volt-ampere source to an S&C Battery Charger and battery packs	-Y4	
Switch-control equipment groups for use without RTU⑥⑦—includes provisions in low-voltage compartment for connection of switch operators to user's wiring, with power for the switch operators supplied by	External control power—user-supplied 120-Vac source to an S&C Ac Power Supply (furnished) to develop control power input to the switch operators	-Y5	
	External control power—user-supplied 120-Vac source to an S&C Battery Charger and battery packs	-Y6	
	Internal control power—S&C-supplied (voltage sensor) 20 volt-ampere source to an S&C Battery Charger and battery packs①	-Y7	

① The S&C Voltage Sensor is mounted on the center phase at the hinge-contact side of the switch in Compartment 2 (Compartment 1 of PME-5 Models).

② Current sensors must not be installed on unshielded cables or on cables where the insulation is exposed but ungrounded (for example, where dielectric tape or heat-shrink tubing is used). These sensors are intended for application at ground potential and may be damaged by the voltage gradient between the cable insulation and ground.

③ Refer to S&C Specification Bulletins 1045-31 and 1045-33 for more information on S&C 6800 Series Automatic Switch Controls. Always specify catalog number suffix "-Y2" for the communication and control equipment group with a 6800 Series control.

④ The S&C Battery Charger is factory-calibrated to accommodate the loads supplied with the communication and control equipment group at the time of shipment. If additional loads are subsequently added, S&C recommends recalibration of the charging output to the batteries to ensure optimal battery life. Refer to Table 15 on page 26 for S&C Battery Charger recalibration instructions, catalog number RD-3808.

⑤ The battery charger and battery packs furnished with this option are not intended to provide power to any user-supplied and installed equipment.

⑥ When this option is specified, the connectors from each switch operator for connection to user's wiring will be located in the low-voltage compartment.

⑦ Current and voltage sensing are not included and cannot be provided.

● Refer to the nearest S&C Sales Office for application information.

Table 5. Optional Features

Item		Suffix to be Added to Pad-Mounted Gear Catalog Number	Applicable to Models	
Light gray Ultradur® II Outdoor Finish instead of olive green		-A2	All models	
Equipment green outdoor finish (Toronto standard) instead of olive green		-A3		
Seafoam green Ultradur® II Outdoor Finish instead of olive green		-A4		
Special color Ultradur II Outdoor Finish instead of olive green		-A5		
Stainless steel enclosure①	With olive green finish	-A10	With 1 switch operator	PME-5
				All other models
			With 2 switch operators	
			With 3 switch operators	
			With 4 switch operators	
	With light gray finish	-A12	With 1 switch operator	PME-5
				All other models
			With 2 switch operators	
			With 3 switch operators	
			With 4 switch operators	
	With special color Ultradur II Outdoor Finish	-A15	With 1 switch operator	PME-5
				All other models
			With 2 switch operators	
			With 3 switch operators	
			With 4 switch operators	
Hexhead actuator for use in lieu of pentahead actuator on all Penta-LatchMechanisms	For use *except* when catalog number suffix "-F2" is specified	-B1●	All models	
	For use when catalog number suffix "-F2" is specified	-B2●	All models	
Key interlocks to prevent paralleling of switches in Compartments 1 and 2②		-C1	With 1 switch operator	PME-6, -9, -10, -11
			With 2 switch operators	PME-6, -9, -10, -11
Key interlocks to prevent opening fuse termination-compartment doors unless all switches are locked open②		-C3	With 1 or 2 switch operators	PME-5
				PME-6, -9
				PME-11

① When this optional feature is specified, the entire exterior of the enclosure, including switch operator enclosures and low-voltage compartment, will be fabricated from 11-gauge Type 304 stainless steel. When ordering optional hexhead actuators, provisions for fault indicators with viewing windows in doors, or base adapter, specify the correct suffix for use with a stainless steel enclosure.

② When ordering, please furnish the name of the of ultimate user, station, and location of gear.

● When specifying catalog number suffix "-B1," "-B2," "-C5" through "-C10," or "-F2" for use in gear with a stainless steel enclosure, increase the suffix designation by 10; for example, specify catalog number suffix "-B11" instead of "-B1."

TABLE CONTINUED ►

Table 5. Optional Features—Continued

Item		Suffix to be Added to Pad-Mounted Gear Catalog Number	Applicable to Models	
Key interlocks. Combines functions of catalog number suffixes "-C1" and "-C3" ②		-C4	With 1 switch operator	PME-6, -9
				PME-11
			With 2 switch operators	PME-6, -9
				PME-11
Fuse storage feature for three spare fuse assemblies per compartment③	Located in Compartment 1	-E1	PME-5, -6, -9, -11	
	Located in Compartment 2	-E2	PME-6, -9, -11	
	Located in Compartments 1 and 2	-E3	PME-6, -9, -11	
Mounting provisions for a Fault Indicator in each switch compartment **Note:** Accommodates three-phase indicator with single-phase sensors	Without viewing window in door	-F1	PME-5	
			PME-6, -9	
			PME-11	
			PME-10	
	With viewing window in door	-F2●	PME-5	
			PME-6, -9	
			PME-11	
			PME-10	

② When ordering, please furnish the name of the ultimate user, station, and location of gear.

③ Fuse assemblies (fuse holders or fuse units with end-fittings) are not included. For units equipped with Fault Fiter Electronic Power Fuse mountings, only two spare Fault Fiter Electronic Power Fuse holders or two spare current-limiting fuse holders can be accommodated in each compartment.

● When specifying catalog number suffix "-B1," "-B2," "-C5" through "-C10," or "-F2" for use in gear with a stainless steel enclosure, increase the suffix designation by 10; for example, specify catalog number suffix "-B11" instead of "-B1."

Table 5. Optional Features—Continued

Item		Suffix to be Added to Pad-Mounted Gear Catalog Number	Applicable to Models
Base adapter, to permit a PME model to be installed on a mounting pad having anchor bolts located to suit the comparable PMH model. This adapter increases the height of the unit 6 inches (152 mm)	Carbon steel	-K	PME-5, -6, -9, -10, -11
Base spacer, increases the height of the unit 6 inches (152 mm)		-K7	PME-5, -6, -9, -10, -11
Base spacer, increases the height of the unit 12 inches (305 mm)		-K8	PME-5, -6, -9, -10, -11
Base adapter, to permit a PME model to be installed on a mounting pad having anchor bolts located to suit the comparable PMH model. This adapter increases the height of the unit 6 inches (152 mm)	Stainless steel	-K10	PME-5, -6, -9, -10, -11
Base spacer, increases the height of the unit 6 inches (152 mm)		-K17	PME-5, -6, -9, -10, -11
Base spacer, increases the height of the unit 12 inches (305 mm)		-K18	PME-5, -6, -9, -10, -11
International crating①		-L71	All models
600-ampere bushings without studs, at switch terminals		-M1	PME-5, -6, -9, -10, -11
200-ampere bushing wells in Lieu of 600-ampere bushings, at Switch Terminals②		-M4■	All models
Three-phase voltage sensing using S&C Voltage Sensors②		-W1	All models with communication and control equipment group or catalog number suffix "-Y2" or "-Y3"

① Wood products used in the packaging are either hardwood or certified by the wood supplier as being "heat treated (kiln dried) to a core temperature of 133°F (56°C) for a minimum of 30 minutes."

② Not available with switch-control equipment group catalog number suffixes "-Y5" and "-Y6."

■ When catalog number suffix "-M4" is specified, the continuous current and short-circuit ratings are limited to the ratings of the bushing wells, bushing inserts, and elbows used.

Table 6. SME-20 Power Fuse Components

Fuse unit end-fittings	
Item	**Catalog Number**
End-fittings (including Silencer), for use with SMU-20 Fuse Units	3093
SMU-20® Fuse Units①	
14.4 kV Nominal, 17.0 kV Max	**25 kV Nominal, 27 kV Max**
For a complete listing of available ampere ratings, speeds, and catalog numbers, refer to Table 9 on page 21 through page 22.	

① These fuse units are usable in SM-20, SMD-20, SML-20, and SME-20 Mountings.

Table 7. SME-4Z Power Fuse Components

Holders				
Item	Ratings			Catalog Number
	kV		Amperes, Max	
	Nom.	Max		
Holder (including silencer), for use with SM-4® Refill Units	14.4	17	200E	90362
	25	27	200E	90363
SM-4 Refill Units (For use in SM-4 and SML-4 Holders)①				
14.4 kV Nominal, 17.0 kV Max		**25 kV Nominal, 27 kV Max**		
For a complete listing of available ampere ratings, speeds, and catalog numbers, refer to Table 10 on page 23.				

① These refill units are usable in SM-4, SM-4Z, SML-4Z, and SME-4Z Holders.

Table 8. Fault Fiter Electronic Power Fuse Components

Holders				
Item	Ratings			Catalog Number
	kV		Amperes, Cont.	
	Nom.	Max		
Holder, for use with Fault Fiter Electronic Power Fuses	13.8	17	200	3132
	25	29	200	3133
Interrupting Modules①				
Item	Ratings			Catalog Number
	kV		Amperes, Cont.	
	Nom.	Max		
Interrupting module, for use with Fault Fiter Electronic Power Fuses	13.8	17	600	802600R2
	25	29	600	803600R2
Control Modules①				
For a complete listing of available types, TCC curve parameters, and catalog numbers, refer to Table 11 on page 24, Table 12 on page 24, and Table 13 on page 25.				

① Interrupting modules and control modules rated 600 amperes continuous are also applicable for use in mountings rated 200 or 400 amperes continuous.

Table 9. SMU-20® Fuse Units (For use in SM-20 or SML-20 Mountings)①

14.4 kV Nominal, 17.0 kV Max					
"K" Ratings		"E" Ratings			
	Catalog Number	Rating, Amperes ↓	Catalog Number		
Speed →	S&C "K" TCC 165-2	Speed →	S&C Std. TCC 115-2		
–	–	1	702001	–	–
		Speed →	S&C Std. TCC 153-2	S&C Slow TCC 119-2	S&C Very Slow TCC 176-2
3K	702003	–	–	–	–
6K	702006	5E	612005	–	–
8K	702008	7E	612007	–	–
10K	702010	10E	612010	–	–
12K	702012	13E	612013	–	–
15K	702015	15E	612015	712015	–
20K	702020	20E	612020	712020	–
25K	702025	25E	612025	712025	–
30K	702030	30E	612030	712030	–
40K	702040	40E	612040	712040	–
50K	702050	50E	612050	712050	602050
65K	702065	65E	612065	712065	602065
80K	702080	80E	612080	712080	602080
100K	702100	100E	612100	712100	602100
140K	702140	125E	612125	712125	602125
200K	702200	150E	612150	712150	602150
–	–	175E	612175	712175	602175
–	–	200E	612200	712200	602200

① These fuse units are equally suitable for use in SMD-20 Outdoor Distribution Mountings and for use with SME-20 Fuse Unit End-Fittings listed in S&C Specification Bulletin 665-31.

Table 9. SMU-20® Fuse Units (For use in SM-20 or SML-20 Mountings)①—Continued

25 kV Nominal, 27 kV Max②					
"K" Ratings		"E" Ratings			
Rating, Amperes ↓	Catalog Number	Rating, Amperes ↓	Catalog Number		
Speed →	S&C "K" TCC 165-2	Speed →	S&C Std. TCC 115-2		
–	–	1	703001	–	–
		Speed →	S&C Std. TCC 153-2	S&C Slow TCC 119-2	S&C Very Slow TCC 176-2
3K	703003	–	–	–	–
6K	703006	5E	613005	–	–
8K	703008	7E	613007	–	–
10K	703010	10E	613010	–	–
12K	703012	13E	613013	–	–
15K	703015	15E	613015	713015	–
20K	703020	20E	613020	713020	–
25K	703025	25E	613025	713025	–
30K	703030	30E	613030	713030	–
40K	703040	40E	613040	713040	–
50K	703050	50E	613050	713050	603050
65K	703065	65E	613065	713065	603065
80K	703080	80E	613080	713080	603080
100K	703100	100E	613100	713100	603100
140K	703140	125E	613125	713125	603125
200K	703200	150E	613150	713150	603150
–	–	175E	613175	713175	603175
–	–	200E	613200	713200	603200

① These fuse units are equally suitable for use in SMD-20 Outdoor Distribution Mountings and for use with SME-20 Fuse Unit End-Fittings listed in S&C Specification Bulletin 665-31.

② Also suitable for protection of single-phase-to-neutral circuits (lines or transformers) on 20/34.5 GrY-kV systems.

Table 10. SM-4® Refill Units (For use in SM-4, SME-4, and SML-4 Holders)

Rating, Amperes ↓	14.4 kV Nominal, 17.0 kV Max①			25 kV Nominal, 27 kV Max	
	Catalog Number			Catalog Number	
Speed →	S&C Std. TCC 115-4			S&C Std. TCC 115-4	
1	122001R4	–	–	123001R4	–
2	122002R4	–	–	123002R4	–
Speed →	S&C Std. TCC 153-4	S&C Slow TCC 119-4	S&C Coord. TCC 179-4	S&C Std. TCC 153-4	S&C Slow TCC 119-4
3E	122005R4	–	–	123005R4	–
5E	122007R4	–	–	123007R4	–
7E	122010R4	–	–	123010R4	–
10E	122015R4	–	–	123015R4	–
13E	122020R4	–	–	123020R4	–
15E	122025R4	252025R4	–	123025R4	253025R4
20E	122030R4	252030R4	–	123030R4	253030R4
25E	122040R4	252040R4	–	123040R4	253040R4
30E	122050R4	252050R4	–	123050R4	253050R4
40E	122060R4	252060R4	–	123060R4	253060R4
50E	122075R4	252075R4	–	123075R4	253075R4
65E	122100R4	252100R4	–	123100R4	253100R4
80E	122125R4	252125R4	–	123125R4	253125R4
100E	122150R4	252150R4	–	123150R4	253150R4
125E	122200R4	252200R4	–	123200R4	253200R4
150E	122250R4	252250R4	–	123250R4	253250R4
175E	122275R4	252275R4	–	123275R4	253275R4
200E	122300R4	252300R4	–	123300R4	253300R4
210	–	–	382210R4●	–	–

① Rated 14.4 kV nominal for use in SM-4 Holders rated 14.4 kV when applied in listed mountings rated 13.8 kV or in discontinued mountings rated 14.4 kV.

● This S&C Coordinating Speed refill unit should be applied where the maximum continuous load current does not exceed 200 amperes and where all fault currents below 1000 amperes will be cleared by another fuse.

Table 11. Fault Fiter Fuse Control Modules—Underground Subloop① Type (TCC No. 422-7)

Continuous Current, Amperes, Max②	TCC Curve Parameters				Catalog Number
	Minimum Pickup, Amperes, RMS	Short-Time Pickup, Amperes, RMS	Short-Time Delay Band	Instantaneous Pickup, Amperes, RMS	
600	400	1300	2	3000	7020-C40P130S2T3
	500	1300	1	3000	7020-C50P130S1T3

① This control module is applicable for protection of 15-kV and 25-kV class underground distribution subloops having the following parameters: maximum available fault current—14,000 amperes RMS symmetrical at 15 kV, 12,500 amperes RMS symmetrical at 25 kV; maximum rated transformer kVA connected for residential circuits—1200 kVA single phase, 3600 kVA three phase at 15 kV, 2400 kVA single phase, 7200 kVA three phase at 25 kV; with no capacitor banks or current-limiting fuses on the load side of the Fault Fiter fuse. If the maximum rated transformer kVA connected is greater than the values listed above, or if the application involves protection of circuits serving industrial, commercial, or institutional loads, refer to the nearest S&C Sales Office.

② Control modules rated 600 amperes continuous are also applicable for use in mountings rated 200 amperes or 400 amperes continuous.

Table 12. Fault Fiter Fuse Control Modules—Inverse Curve Type (TCC No. 410-7)

Continuous Current, Amperes, Max①	Minimum Pickup, Amperes, RMS	Catalog Number
600	400	814040
	500	814050
	600	814060
	700	814070
	800	814080
	1000	814100
	1250	814125
	1500	814150

① Control modules rated 600 amperes continuous are also applicable for use in mountings rated 200 amperes or 400 amperes continuous.

Table 13. Fault Fiter Fuse Control Modules—Time-Delayed Compound-Curve Type (TCC No. 421-7)

Continuous Current, Amperes, Max①	TCC Curve Parameters				Catalog Number
	Minimum Pickup, Amperes, RMS	Short-Time Delay Band	High-Current Pickup, Amperes, RMS	High-Current Delay Band Time Delay, ms	
600	400	1	3000	8	7010-C40S1T3D8
			6000	8	7010-C40S1T6D8
		2	3000	8	7010-C40S2T3D8
			6000	8	7010-C40S2T6D8
		3	3000	8	7010-C40S3T3D8
			6000	8	7010-C40S3T6D8
		4	3000	8	7010-C40S4T3D8
			6000	8	7010-C40S4T6D8
	600	1	3000	8	7010-C60S1T3D8
			6000	8	7010-C60S1T6D8
		2	3000	8	7010-C60S2T3D8
			6000	8	7010-C60S2T6D8
		3	3000	8	7010-C60S3T3D8
			6000	8	7010-C60S3T6D8
		4	3000	8	7010-C60S4T3D8
			6000	8	7010-C60S4T6D8
	800	1	3000	8	7010-C80S1T3D8
			6000	8	7010-C80S1T6D8
		2	3000	8	7010-C80S2T3D8
			6000	8	7010-C80S2T6D8
		3	3000	8	7010-C80S3T3D8
			6000	8	7010-C80S3T6D8
		4	3000	8	7010-C80S4T3D8
			6000	8	7010-C80S4T6D8
	1100	1	3000	8	7010-C110S1T3D8
			6000	8	7010-C110S1T6D8
		2	3000	8	7010-C110S2T3D8
			6000	8	7010-C110S2T6D8
		3	3000	8	7010-C110S3T3D8
			6000	8	7010-C110S3T6D8
		4	3000	8	7010-C110S4T3D8
			6000	8	7010-C110S4T6D8

① Control modules rated 600 amperes continuous are also applicable for use in mountings rated 200 amperes or 400 amperes continuous.

Table 14. Switch Blades①

Item	Rating			Catalog Number
	kV		Amps, Cont.	
	Nom.	Max		
Switch blade, for use in lieu of SMU-20 Fuse Unit in SME-20 mounting	14.4	17	200	5452
	25	27	200	5453
Switch blade, for use in lieu of SME-4Z holder in SME-4 mounting	14.4	17	200	5462
	25	27	200	5463
Switch blade, for use in lieu of Fault Fiter fuse holder in Fault Fiter fuse mounting	14.4	17	200	5472
	25	29	200	5473

① When switch blades are used in lieu of fuses, the short-circuit rating of the Pad-Mounted gear is 14,000 amperes RMS symmetrical at 14.4 kV or 12,500 amperes RMS symmetrical at 25 kV. Actual short-circuit capabilities may be limited to lower values by the capabilities of bushing inserts, elbows, and cables used on the gear.

Table 15. Accessories

Item			Catalog Number
Shotgun clamp sticks for use with separable connectors and voltage testers	77½-inch (197-cm) length		9933-150
	101½-inch (258-cm) length		9933-151
Storage bag, heavy canvas	For shotgun clamp stick	78-inch (198-cm) length	9933-152
		102-inch (259-cm)	9933-153
Voltage tester with audio and visual signals, includes voltage tester, batteries, adapter for shotgun clamp sticks, and storage case①			9931-072
Current sensors, set of three—split core, rated 600/5 amperes for application in conjunction with manually operated switches for monitoring load currents—for conductors of up to 3½-inch (89-mm) diameter②			TA-2224
Detailed hardware manual—includes schematic diagrams, circuit-board layouts, parts lists, bench-check procedures, and operating descriptions for the switch control and battery charger, as applicable	For Switch-Control Equipment Groups for use with RTU by others	Catalog number suffix “-Y2”	RD-3602
		Catalog number suffix “-Y3”	RD-3603
		Catalog number suffix “-Y4”	RD-3604
	For Switch-Control Equipment Groups for use without RTU	Catalog number suffix “-Y5”	RD-3605
		Catalog number suffix “-Y6”	RD-3606
		Catalog number suffix “-Y7”	RD-3607
Pentahead socket, for ½-inch drive			9931-074
S&C Battery Charger recalibration procedure—includes detailed instructions on calibrating the charging voltage to the batteries to ensure optimal battery life			RD-3808

① For ultimate users other than electric utilities, also specify a shotgun clamp stick of the appropriate length.

② Current sensors must not be installed on unshielded cables or on cables where the insulation is exposed but ungrounded (for example, where dielectric tape or heat-shrink tubing is used). These sensors are intended for application at ground potential and may be damaged by the voltage gradient between the cable insulation and ground.

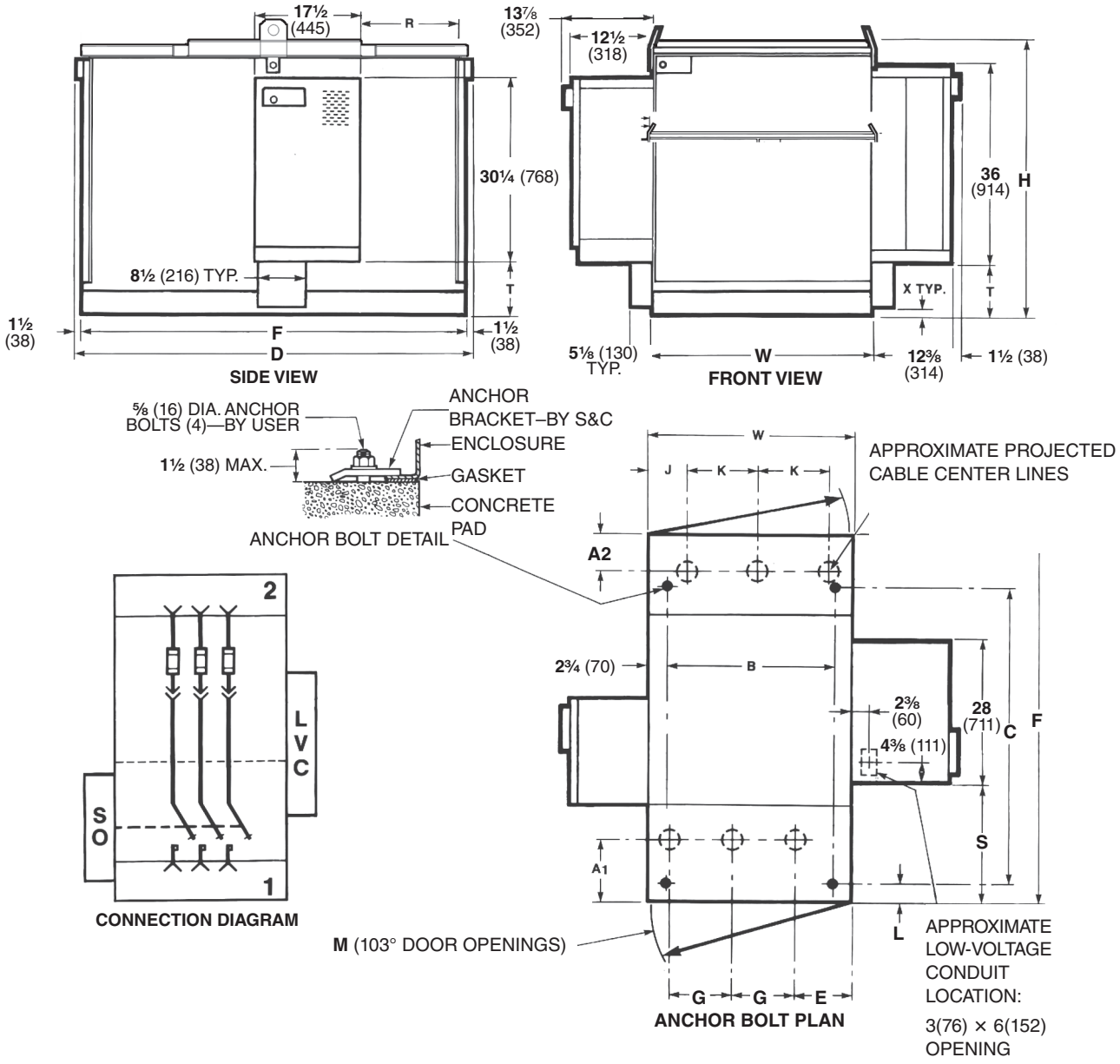
Table 16. Touch-Up Kit Components—Aerosol Coatings in 12-ounce cans

Item	Catalog Number
S&C Light Gray Outdoor Finish	9999-080
S&C Olive Green (Munsell 7GY3.29/1.5) Outdoor Finish	9999-058
S&C Red-Oxide Primer	9999-061

Model PME-5

14.4 kV: Catalog Numbers 166112R3, 166312R3, and 166512R3 25 kV: Catalog Numbers 166113R3, 166313R3, and 166513R3

Dimensions in inches (mm)



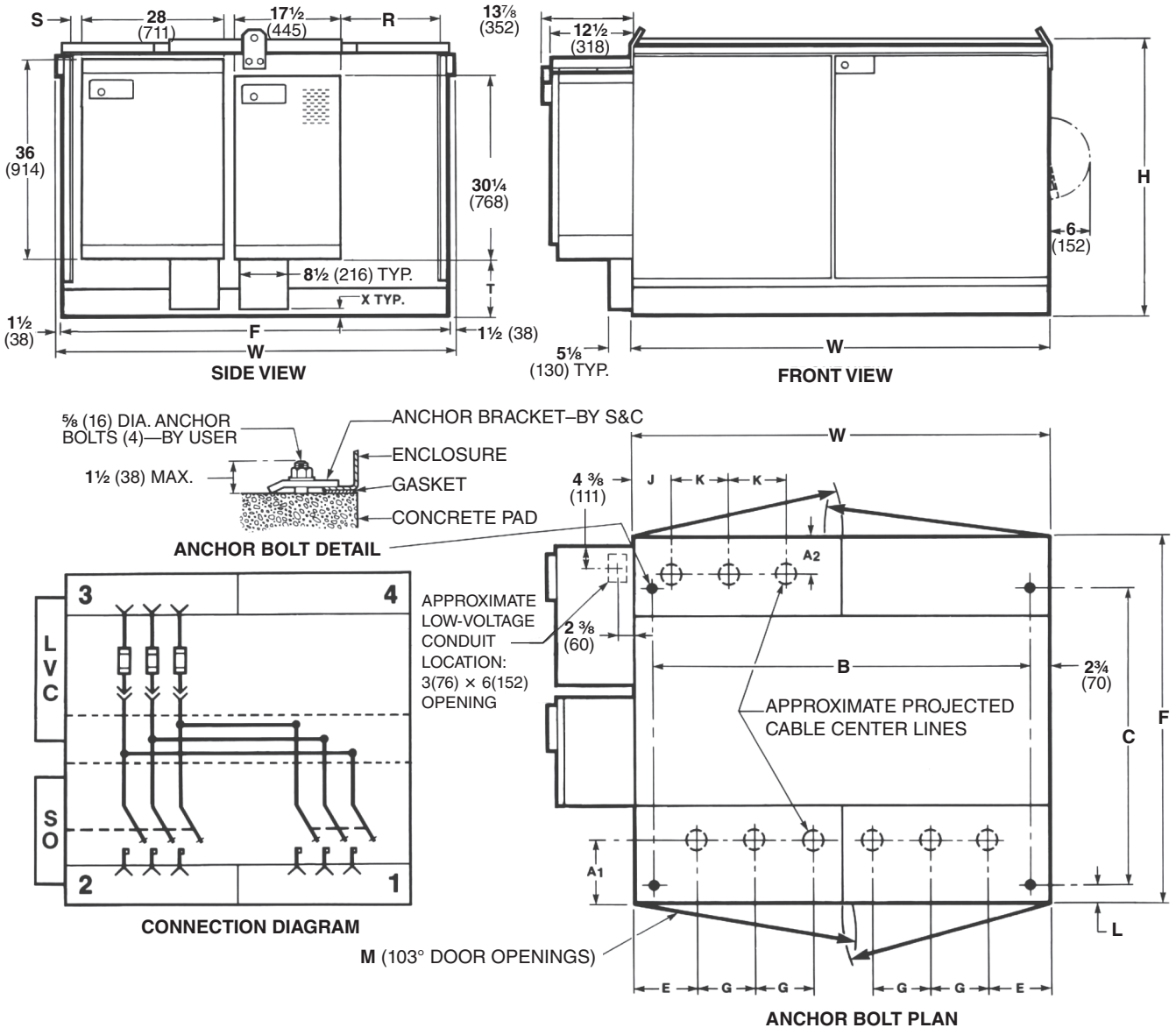
kV, Nominal	A_1●	A_2●	B	C	D	E	F	G	H	J	K	L	M	R	S	T	W	X
14.4	14½ (368)	7 (178)	35½ (902)	49½ (1257)	69¾ (1772)	12⅛ (308)	66¾ (1695)	8¼ (210)	51½ (1308)	5⅜ (137)	10¾ (273)	8⅝ (219)	40⅛ (1019)	17⅞ (454)	19⅜ (492)	9⅞ (251)	41 (1041)	½ (13)
25	19 (483)	8⅛ (206)	40½ (1029)	52 (1321)	84¾ (2153)	16⅝ (422)	81¾ (2076)	8¼ (210)	57½ (1461)	6 (152)	12 (305)	14⅞ (378)	45⅛ (1146)	24 (610)	26⅞ (683)	11⅛ (283)	46 (1168)	1¾ (44)

● Projected cable center lines are applicable for PME models with cable installed in a cable pit. For cable installed in conduit, refer to pages 40 and 41.

Model PME-6

14.4 kV: Catalog Numbers 166122R3, 166322R3, and 166522R3 25 kV: Catalog Numbers 166123R3, 166323R3, and 166523R3

Dimensions in inches (mm)



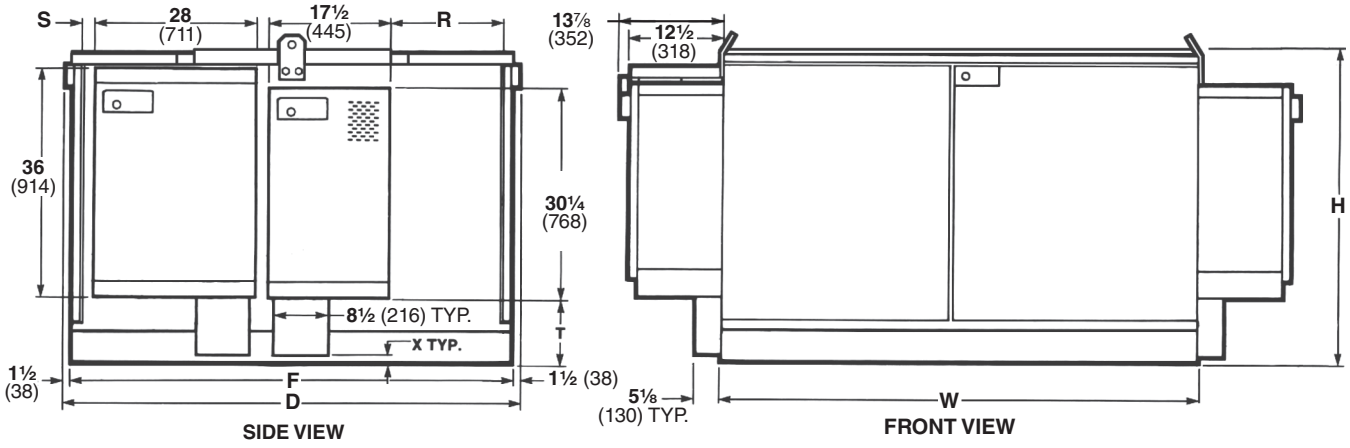
kV, Nominal	A_1●	A_2●	B	C	D	E	F	G	H	J	K	L	M	R	S	T	W	X
14.4	14½ (368)	7 (178)	69½ (1765)	49½ (1257)	69¾ (1772)	12⅜ (314)	66¾ (1695)	8¼ (210)	51½ (1308)	5⅜ (137)	10¾ (273)	8⅝ (219)	38 (965)	17⅞ (454)	¼ (6)	9⅞ (251)	75 (1905)	½ (13)
25	18½ (470)	8⅛ (206)	78½ (1994)	52 (1321)	84¾ (2153)	12⅞ (327)	81¾ (2076)	8¼ (210)	57½ (1461)	6 (152)	12 (305)	14⅞ (378)	42½ (1080)	24 (610)	5 (127)	11⅛ (283)	84 (2134)	1¾ (44)

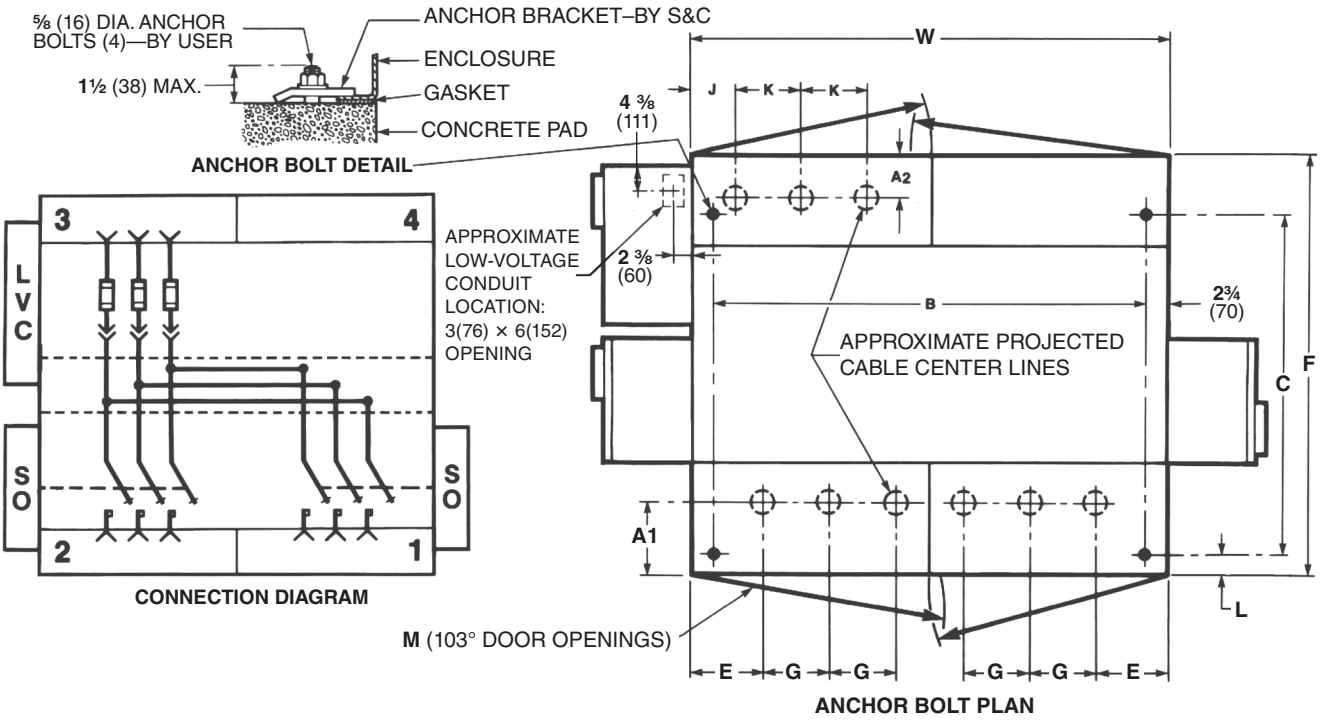
● Projected cable center lines are applicable for PME models with cable installed in a cable pit. For cable installed in conduit, refer to pages 40 and 41.

Model PME-6

14.4 kV: Catalog Numbers 266122R3, 266322R3, and 266522R3 25 kV: Catalog Numbers 266123R3, 266323R3, and 266523R3

Dimensions in inches (mm)





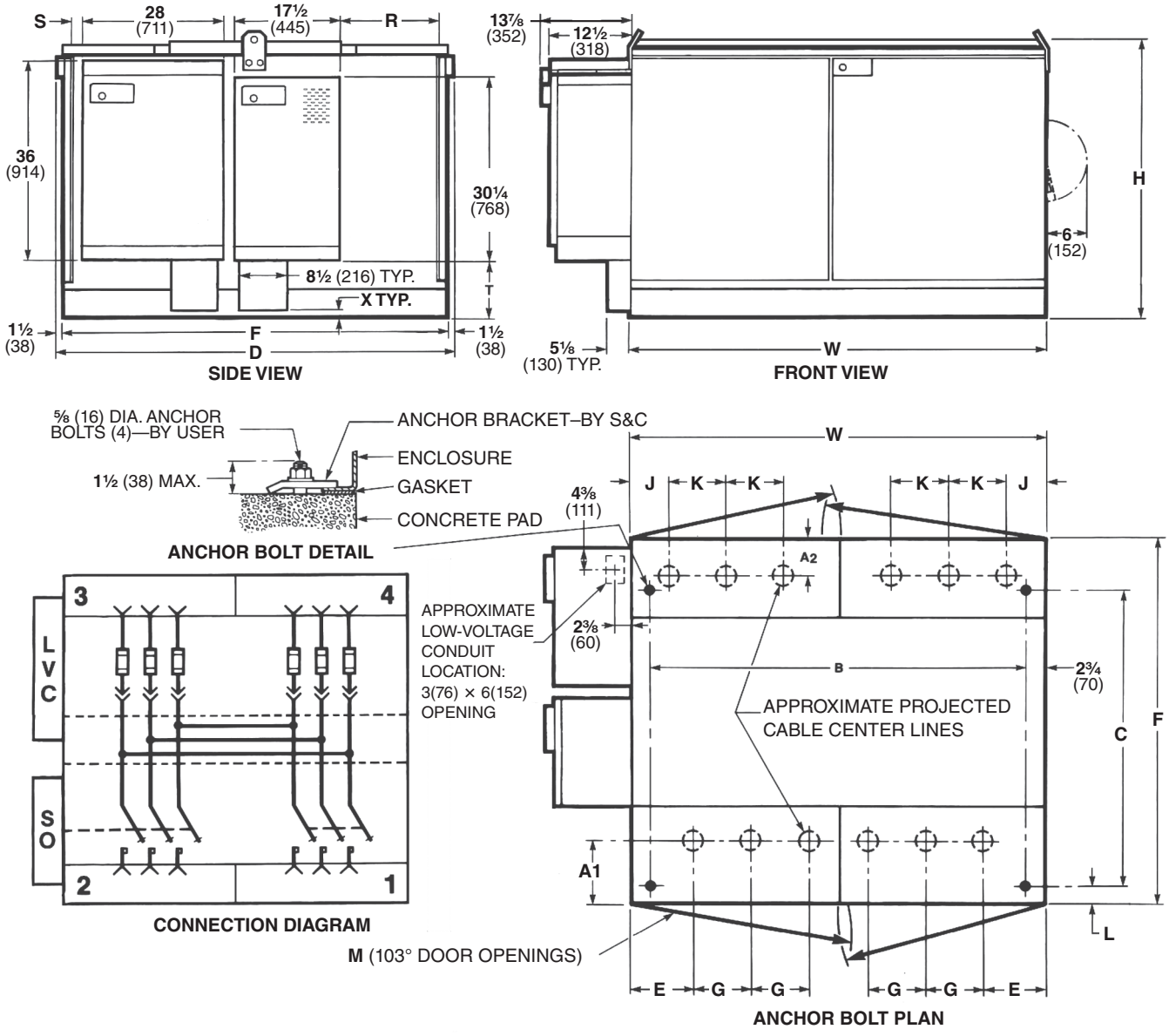
kV, Nominal	A_1●	A_2●	B	C	D	E	F	G	H	J	K	L	M	R	S	T	W	X
14.4	14½ (368)	7 (178)	69½ (1765)	49½ (1257)	69¾ (1772)	12⅜ (314)	66¾ (1695)	8¼ (210)	51½ (1308)	5⅜ (137)	10¾ (273)	8⅝ (219)	38 (965)	17⅞ (454)	¼ (6)	9⅞ (251)	75 (1905)	½ (13)
25	18½ (470)	8⅛ (206)	78½ (1994)	52 (1321)	84¾ (2153)	12⅞ (327)	81¾ (2076)	8¼ (210)	57½ (1461)	6 (152)	12 (305)	14⅞ (378)	42½ (1080)	24 (610)	5 (127)	11⅛ (283)	84 (2134)	1¾ (44)

● Projected cable center lines are applicable for PME models with cable installed in a cable pit. For cable installed in conduit, refer to pages 40 and 41.

Model PME-9

14.4 kV: Catalog Numbers 166152R3, 166352R3, and 166552R3 25 kV: Catalog Numbers 166153R3, 166353R3, and 166553R3

Dimensions in inches (mm)



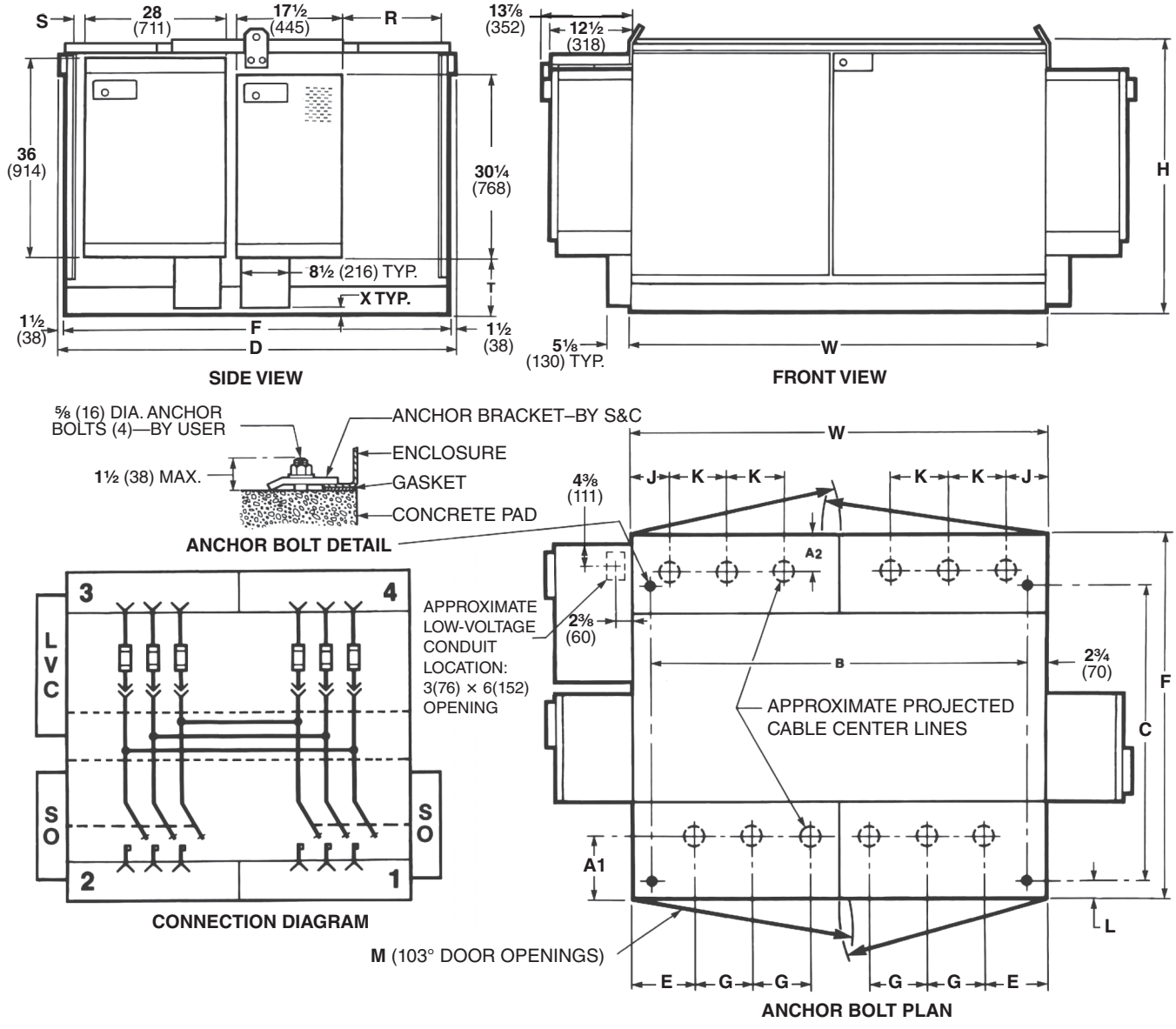
kV, Nominal	A_1●	A_2●	B	C	D	E	F	G	H	J	K	L	M	R	S	T	W	X
14.4	14½ (368)	7 (178)	69½ (1765)	49½ (1257)	69¾ (1772)	12⅜ (314)	66¾ (1695)	8¼ (210)	51½ (1308)	5⅜ (137)	10¾ (273)	8⅝ (219)	38 (965)	17⅞ (454)	¼ (6)	9⅞ (251)	75 (1905)	½ (13)
25	18½ (470)	8⅛ (206)	78½ (1994)	52 (1321)	84¾ (2153)	12⅞ (327)	81¾ (2076)	8¼ (210)	57½ (1461)	6 (152)	12 (305)	14⅞ (378)	42½ (1080)	24 (610)	5 (127)	11⅛ (283)	84 (2134)	1¾ (44)

● Projected cable center lines are applicable for PME models with cable installed in a cable pit. For cable installed in conduit, refer to pages 40 and 41.

Model PME-9

14.4 kV: Catalog Numbers 266152R3, 266352R3, and 266552R3 25 kV: Catalog Numbers 266153R3, 266353R3, and 266553R3

Dimensions in inches (mm)



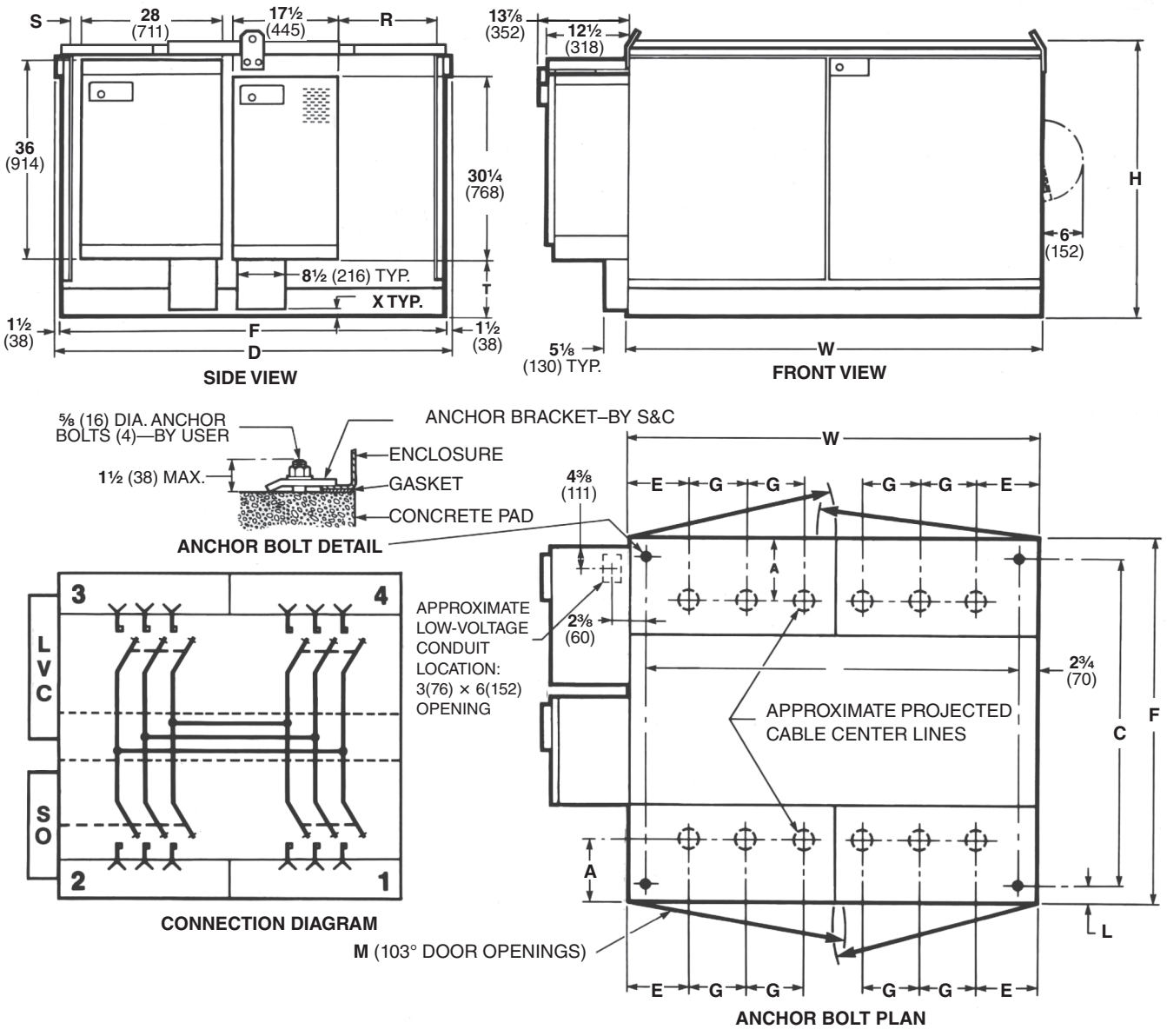
kV, Nominal	A_1●	A_2●	B	C	D	E	F	G	H	J	K	L	M	R	S	T	W	X
14.4	14½ (368)	7 (178)	69½ (1765)	49½ (1257)	69¾ (1772)	12⅜ (314)	66¾ (1695)	8¼ (210)	51½ (1308)	5⅜ (137)	10¾ (273)	8⅝ (219)	38 (965)	17⅞ (454)	¼ (6)	9⅞ (251)	75 (1905)	½ (13)
25	18½ (470)	8⅛ (206)	78½ (1994)	52 (1321)	84¾ (2153)	12⅞ (327)	81¾ (2076)	8¼ (210)	57½ (1461)	6 (152)	12 (305)	14⅞ (378)	42½ (1080)	24 (610)	5 (127)	11⅛ (283)	84 (2134)	1¾ (44)

● Projected cable center lines are applicable for PME models with cable installed in a cable pit. For cable installed in conduit, refer to pages 40 and 41.

Model PME-10

14.4 kV: Catalog Number 166242R3 25 kV: Catalog Number 166243R3

Dimensions in inches (mm)



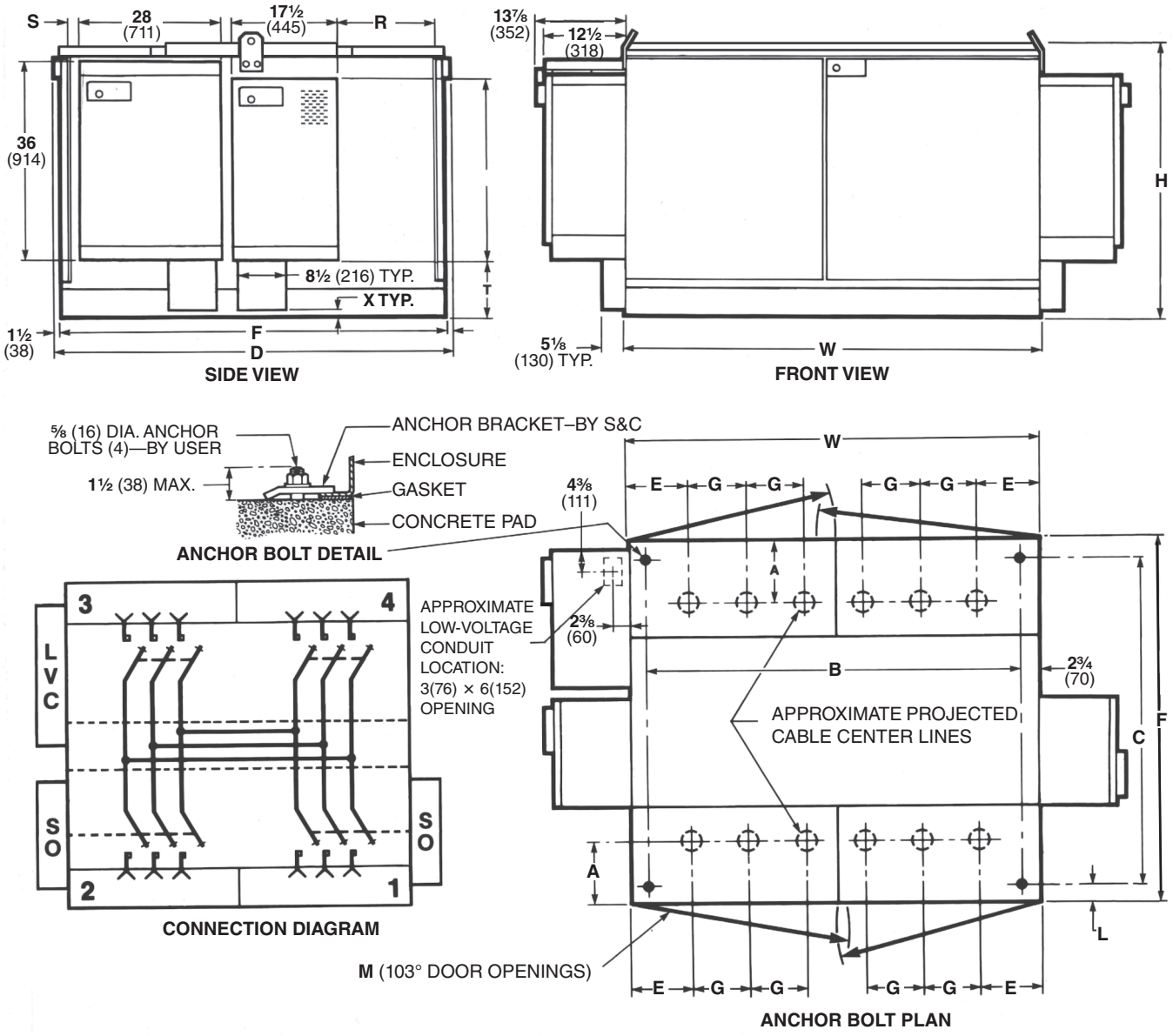
kV, Nominal	A①	B	C	D	E	F	G	H	L	M	R	S	T	W	X
14.4	14½ (368)	69½ (1765)	55½ (1410)	75¾ (1924)	12⅜ (314)	72¾ (1848)	8¼ (210)	51½ (1308)	8⅝ (219)	38 (965)	17⅞ (454)	5⅝ (143)	9⅞ (251)	75 (1905)	½ (13)
25	14½ (368)	78½ (1994)	58½ (1486)	91¼ (2318)	12⅞ (327)	88¼ (2242)	8¼ (210)	57½ (1461)	14⅞ (378)	42½ (1080)	24 (610)	11¾ (298)	11⅛ (283)	84 (2134)	1¾ (44)

① Projected cable center lines are applicable for PME models with cable installed in a cable pit. For cable installed in conduit, refer to page 41.

Model PME-10

14.4 kV: Catalog Number 266242R3 25 kV: Catalog Number 266243R3

Dimensions in inches (mm)



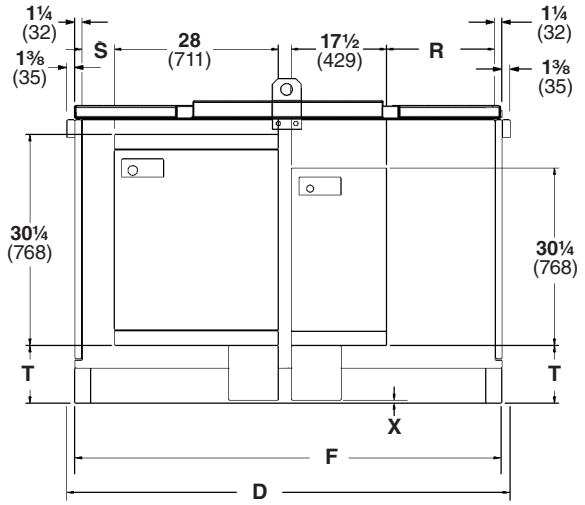
kV, Nominal	A①	B	C	D	E	F	G	H	L	M	R	S	T	W	X
14.4	14½ (368)	69½ (1765)	55½ (1410)	75¾ (1924)	12⅝ (321)	72¾ (1848)	8¼ (210)	51½ (1308)	8⅝ (219)	38 (965)	17⅞ (454)	5⅝ (143)	9⅞ (251)	75 (1905)	½ (13)
25	14½ (368)	78½ (1994)	58½ (1486)	91¼ (2318)	12⅞ (327)	88¼ (2242)	8¼ (210)	57½ (1461)	14⅞ (378)	42½ (1080)	24 (610)	11¾ (298)	11⅛ (283)	84 (2134)	1¾ (44)

① Projected cable center lines are applicable for PME models with cable installed in a cable pit. For cable installed in conduit, refer to page 41.

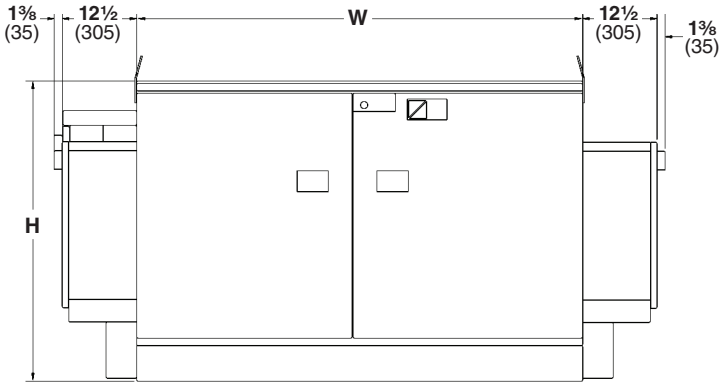
Model PME-10

14.4 kV: Catalog Number 366242R3 25 kV: Catalog Number 366243R3

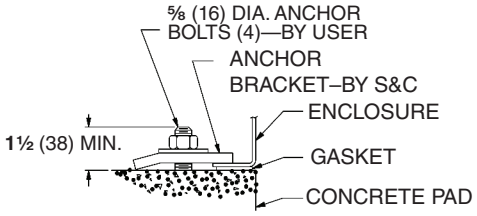
Dimensions in inches (mm)



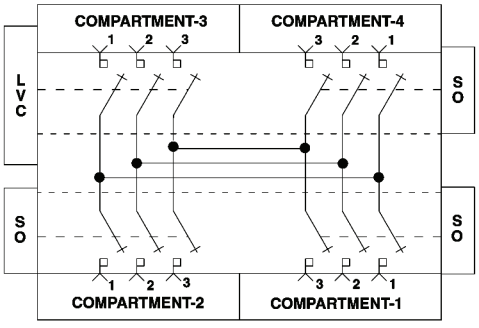
SIDE VIEW



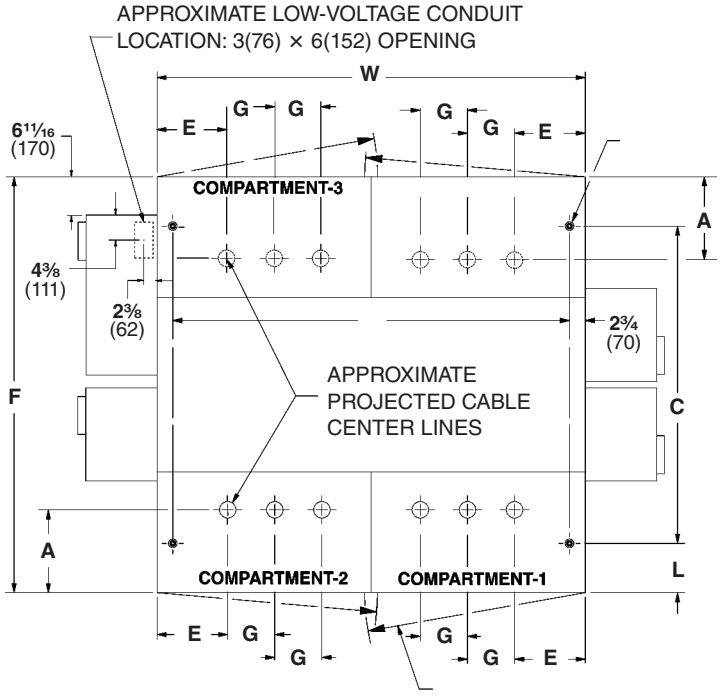
FRONT VIEW



ANCHOR BOLT DETAIL



CONNECTION DIAGRAM



ANCHOR BOLT PLAN

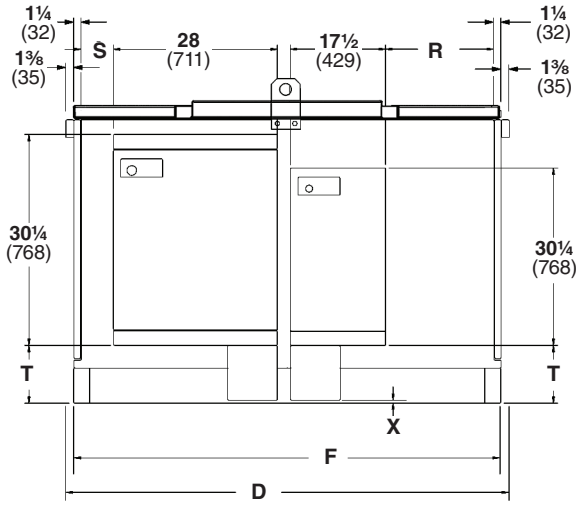
kV, Nominal	A①	B	C	D	E	F	G	H	L	M	R	S	T	W	X
14.4	14½ (368)	69½ (1765)	55½ (1410)	75¾ (1924)	12⅜ (314)	72¾ (1848)	8¼ (210)	51½ (1308)	8⅝ (219)	38 (965)	17⅞ (454)	5⅝ (143)	9⅞ (251)	75 (1905)	½ (13)
25	14½ (368)	78½ (1994)	58½ (1486)	91¼ (2318)	12⅞ (327)	88¼ (2242)	8¼ (210)	57½ (1461)	14⅞ (378)	42½ (1080)	24 (610)	11¾ (298)	11⅛ (283)	84 (2134)	1¾ (44)

① Projected cable center lines are applicable for PME models with cable installed in a cable pit. For cable installed in conduit, refer to page 41.

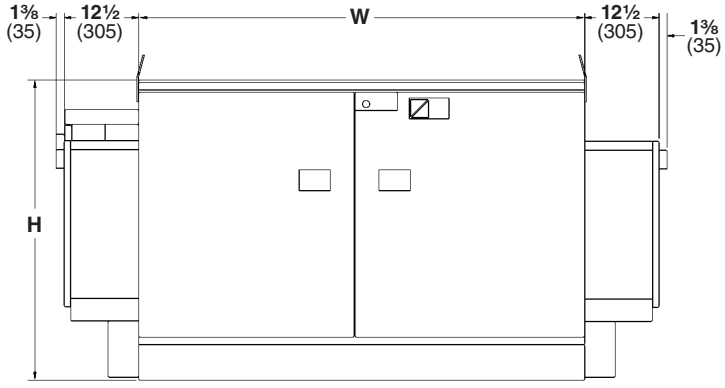
Model PME-10

14.4 kV: Catalog Number 466242R3 25 kV: Catalog Number 466243R3

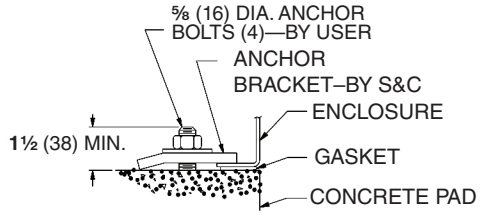
Dimensions in inches (mm)



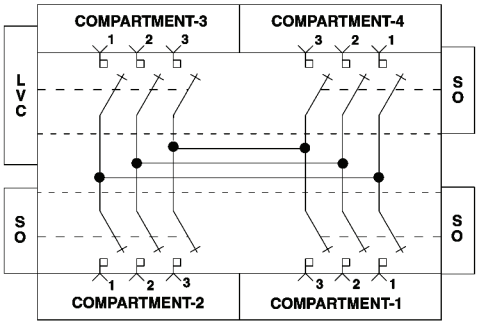
SIDE VIEW



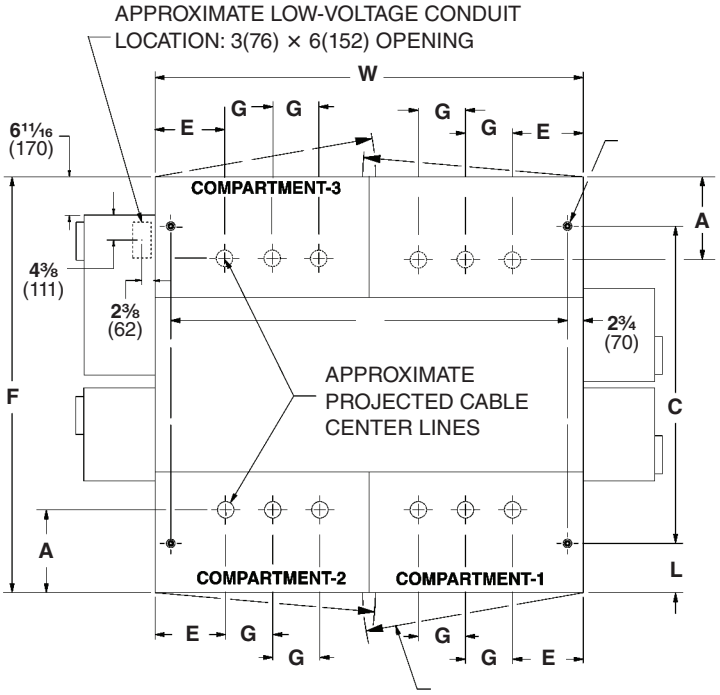
FRONT VIEW



ANCHOR BOLT DETAIL



CONNECTION DIAGRAM



ANCHOR BOLT PLAN

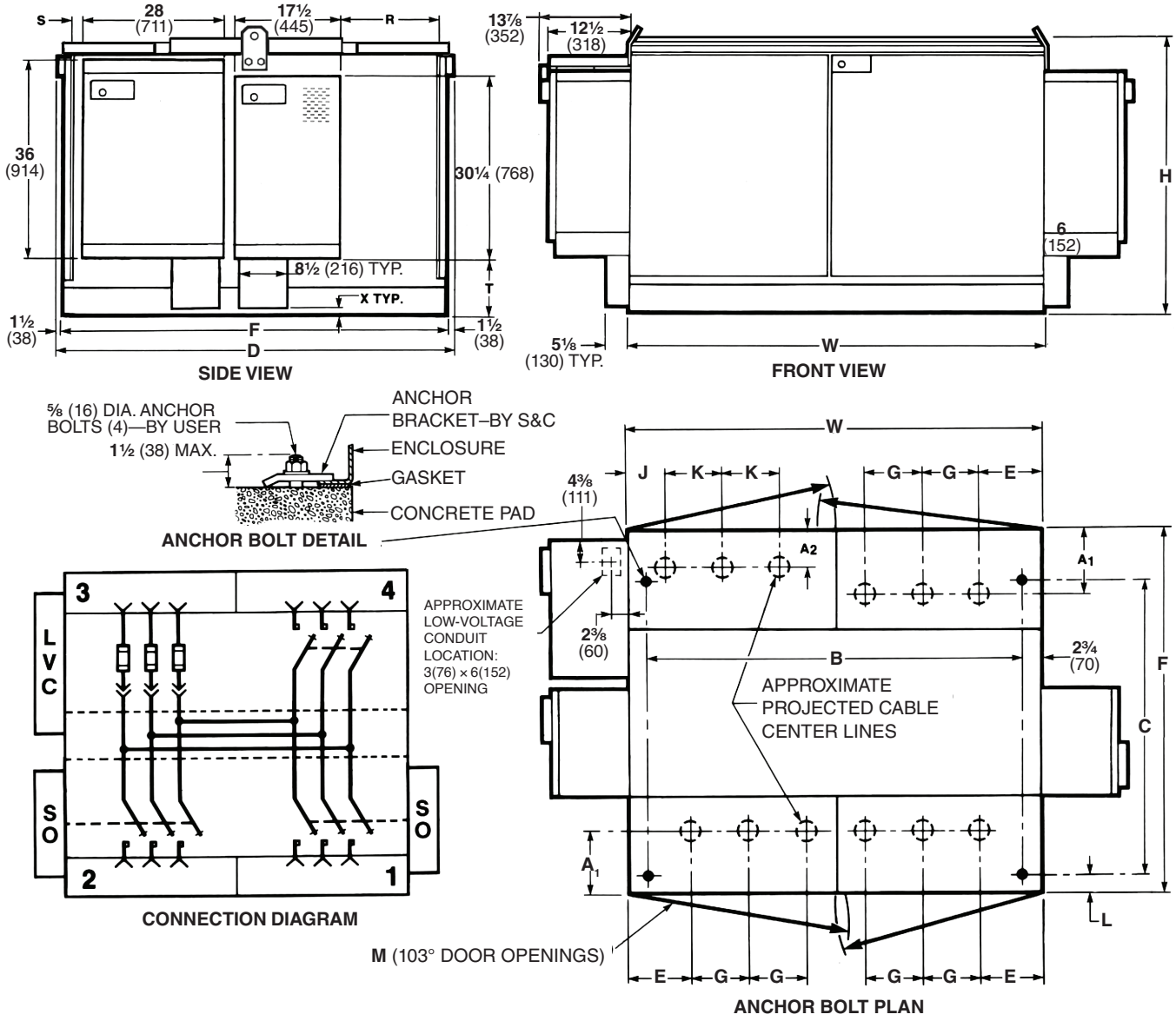
kV, Nominal	A①	B	C	D	E	F	G	H	L	M	R	S	T	W	X
14.4	14½ (368)	69½ (1765)	55½ (1410)	75¾ (1924)	12⅜ (314)	72¾ (1848)	8¼ (210)	51½ (1308)	8⅝ (219)	38 (965)	17⅞ (454)	5⅝ (143)	9⅞ (251)	75 (1905)	½ (13)
25	14½ (368)	78½ (1994)	58½ (1486)	91¼ (2318)	12⅞ (327)	88¼ (2242)	8¼ (210)	57½ (1461)	14⅞ (378)	42½ (1080)	24 (610)	11¾ (298)	11⅛ (283)	84 (2134)	1¾ (44)

① Projected cable center lines are applicable for PME models with cable installed in a cable pit. For cable installed in conduit, refer to page 41.

Model PME-11

14.4 kV: Catalog Numbers 166162R3, 166362R3, and 166562R3 25 kV: Catalog Numbers 166163R3, 166363R3, and 166563R3

Dimensions in inches (mm)



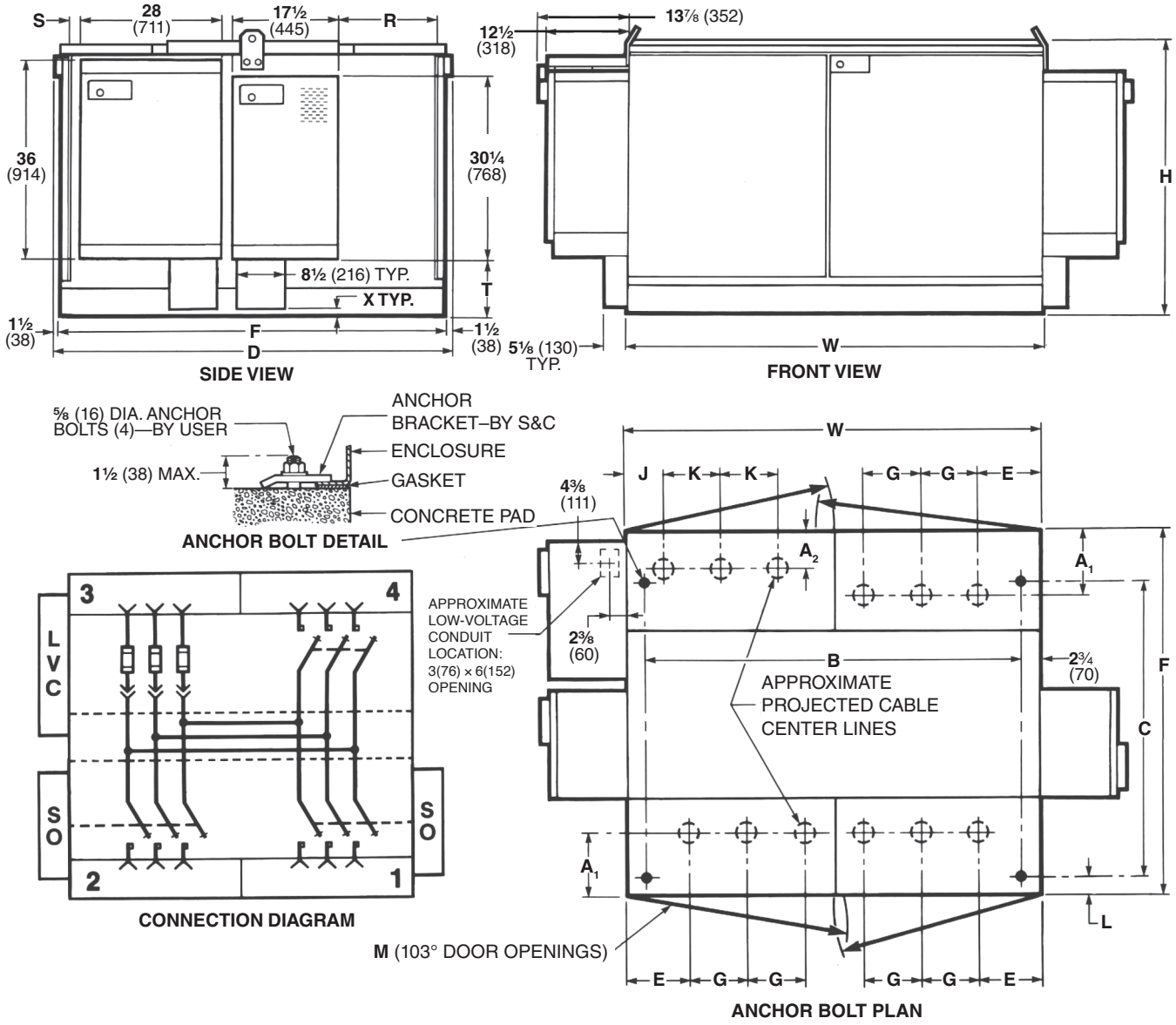
kV, Nominal	A_1●	A_2●	B	C	D	E	F	G	H	J	K	L	M	R	S	T	W	X
14.4	14½ (368)	7 (178)	69½ (1765)	55½ (1410)	75¾ (1924)	12⅜ (314)	72¾ (1848)	8¼ (210)	51½ (1308)	5⅜ (137)	10¾ (273)	8⅝ (219)	38 (965)	17⅞ (454)	5⅝ (143)	9⅞ (251)	75 (1905)	½ (13)
25	18½ (470)	8⅛ (206)	78½ (1994)	58½ (1486)	91¼ (2318)	12⅞ (327)	88¼ (2242)	8¼ (210)	57½ (1461)	6 (152)	12 (305)	14⅞ (378)	42½ (1080)	24 (610)	11¾ (298)	11⅛ (283)	84 (2134)	1¾ (44)

● Projected cable center lines are applicable for PME models with cable installed in a cable pit. For cable installed in conduit, refer to pages 40 and 41.

Model PME-11

14.4 kV: Catalog Numbers 266162R3, 266362R3, and 266562R3 25 kV: Catalog Numbers 266163R3, 266363R3, and 266563R3

Dimensions in inches (mm)



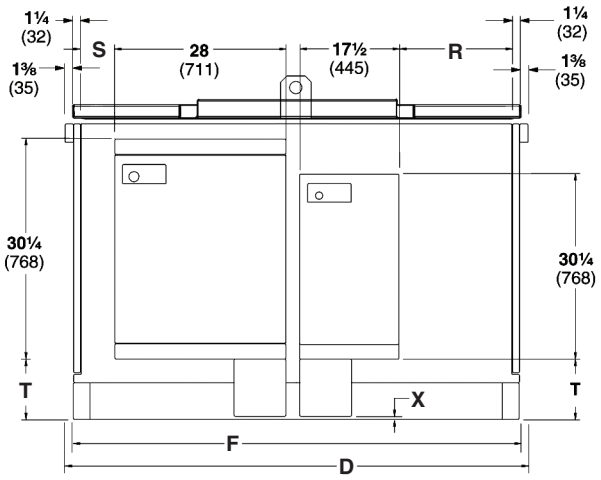
kV, Nominal	A_1●	A_2●	B	C	D	E	F	G	H	J	K	L	M	R	S	T	W	X
14.4	14½ (368)	7 (178)	69½ (1765)	55½ (1410)	75¾ (1924)	12⅜ (314)	72¾ (1848)	8¼ (210)	51½ (1308)	5⅜ (137)	10¾ (273)	8⅝ (219)	38 (965)	17⅞ (454)	5⅝ (143)	9⅞ (251)	75 (1905)	½ (13)
25	18½ (470)	8⅛ (206)	78½ (1994)	58½ (1486)	91¼ (2318)	12⅞ (327)	88¼ (2242)	8¼ (210)	57½ (1461)	6 (152)	12 (305)	14⅞ (378)	42½ (1080)	24 (610)	11¾ (298)	11⅛ (283)	84 (2134)	1¾ (44)

● Projected cable center lines are applicable for PME models with cable installed in a cable pit. For cable installed in conduit, refer to pages 40 and 41.

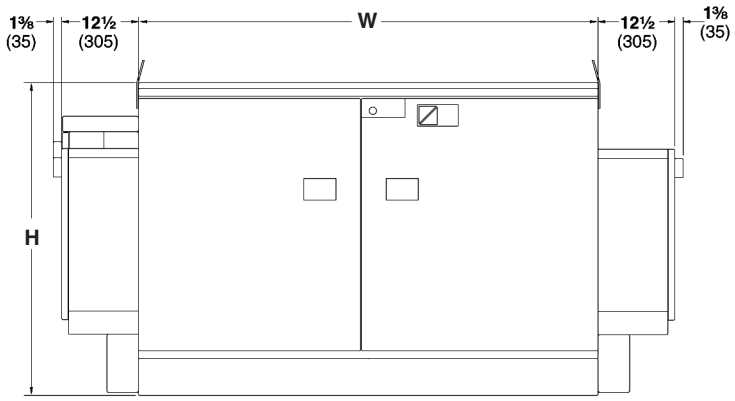
Model PME-11

14.4 kV: Catalog Numbers 366162R3, 366362R3, and 366562R3 25 kV: Catalog Numbers 366163R3, 366363R3, and 366563R3

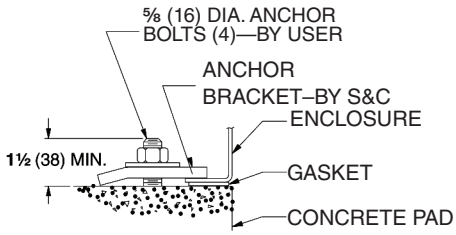
Dimensions in inches (mm)



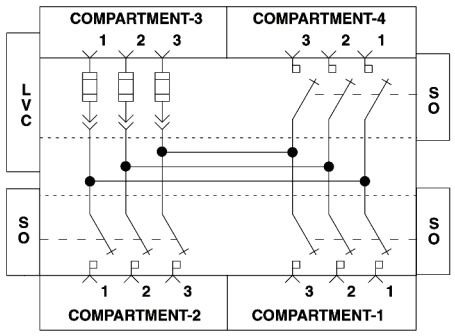
SIDE VIEW



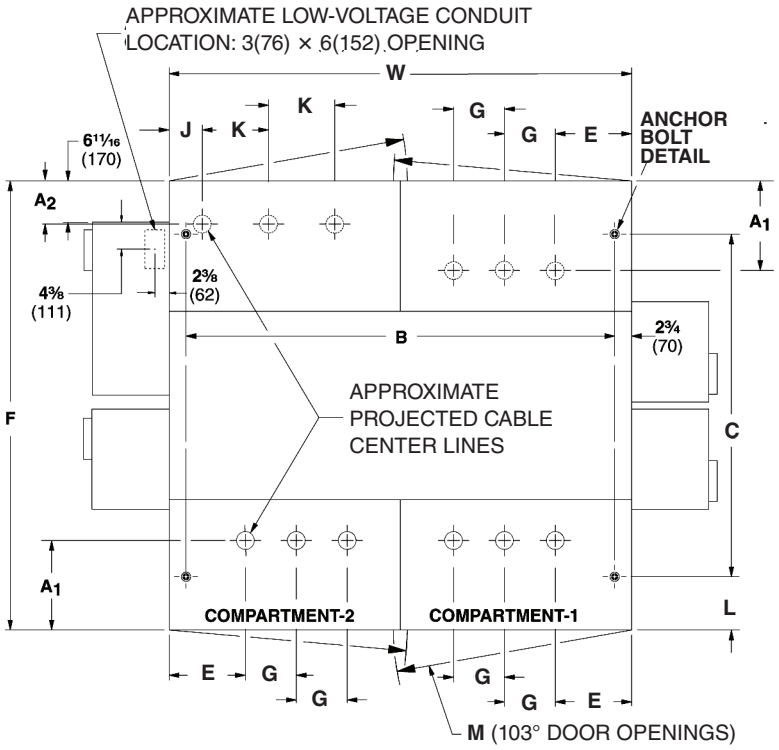
FRONT VIEW



ANCHOR BOLT DETAIL



CONNECTION DIAGRAM



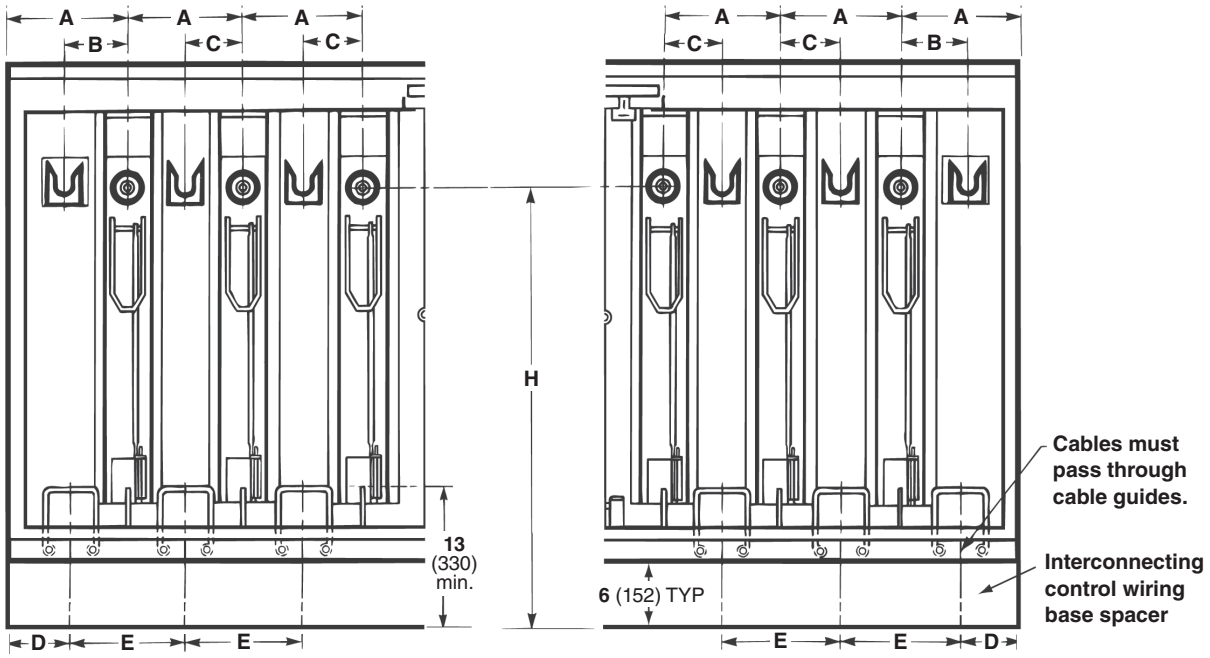
ANCHOR BOLT PLAN

kV, Nominal	A_1●	A_2●	B	C	D	E	F	G	H	J	K	L	M	R	S	T	W	X
14.4	14½ (368)	7 (178)	69½ (1765)	55½ (1410)	75¾ (1924)	12⅜ (314)	72¾ (1848)	8¼ (210)	51½ (1308)	5⅜ (137)	10¾ (273)	8⅝ (219)	38 (965)	17⅞ (454)	5⅝ (143)	9⅞ (251)	75 (1905)	½ (13)
25	18½ (470)	8⅛ (206)	78½ (1994)	58½ (1486)	91¼ (2318)	12⅞ (327)	88¼ (2242)	8¼ (210)	57½ (1461)	6 (152)	12 (305)	14⅞ (378)	42½ (1080)	24 (610)	11¾ (298)	11⅛ (283)	84 (2134)	1¾ (44)

● Projected cable center lines are applicable for PME models with cable installed in a cable pit. For cable installed in conduit, refer to pages 40 and 41.

Typical Cable Compartments for Fuses

Dimensions in inches (mm)



Compartment 4: Model PME-9

Compartment 2: Models PME-5
Compartment 3: Models PME-6, PME-9, and PME-11

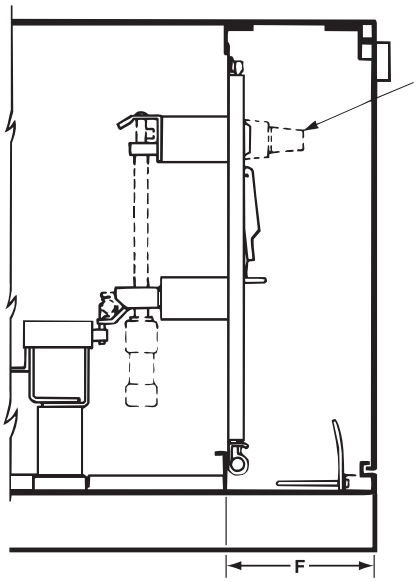
Voltage, kV			Dimensions in Inches (mm)①						
Nom.	Max②	BIL	A	B	C	D	E	F	H③
14.4	17	95	10¾ (273)	7⅛ (181)	5⅜ (137)	5⅜ (137)	10¾ (273)	14 (356)	39 (991)
25	27●	125	12 (305)	8½ (216)	6 (152)	6 (152)	12 (305)	17 (432)	44¾ (1137)

① To the nearest ⅛-inch (3 mm).

② Maximum rating may be lower when current-limiting fuses are used. Consult appropriate current-limiting fuse manufacturer for complete fuse ratings.

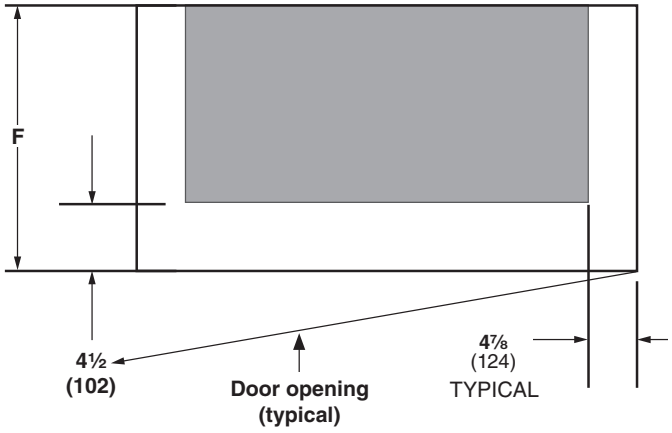
③ For models equipped with optional base adapter, catalog number suffix "-K," increase dimension H by 6 inches (152 mm).

● Maximum rating is 29 kV for models equipped with S&C Fault Fiter Electronic Power Fuse mountings.



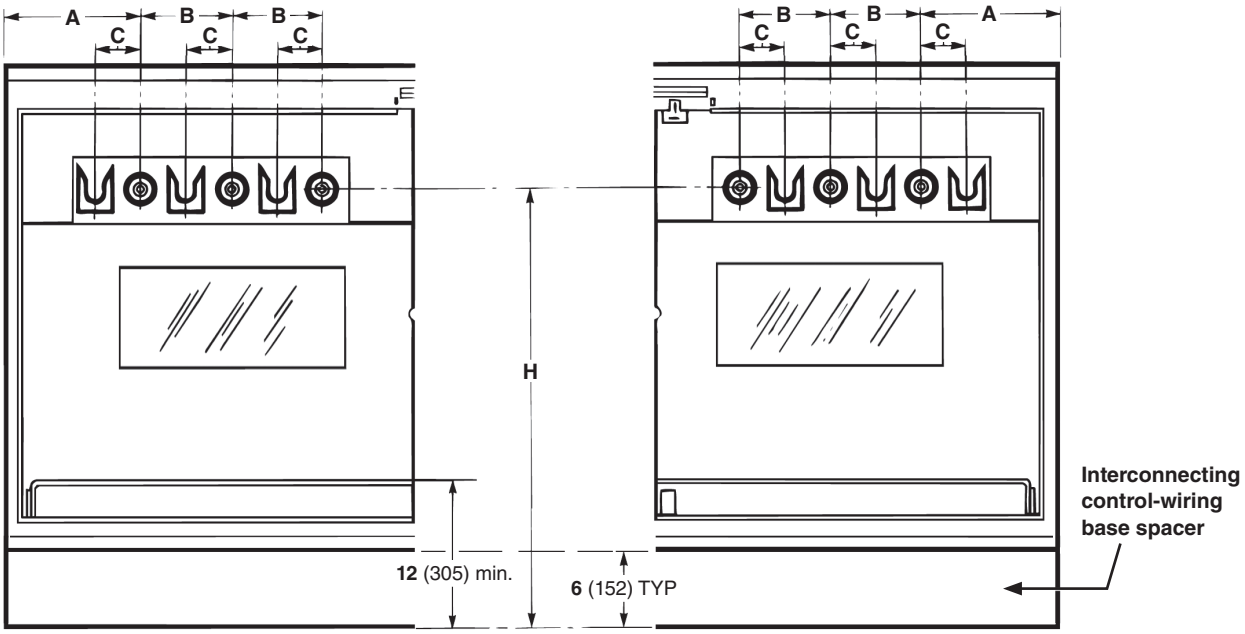
CONDUIT ENTRANCE

Shaded area indicates available area for conduit entrance. See applicable pages 28 through 32 and 37 through 39 for approximate projected cable center lines for the cables to pass through the cable guides.



Typical Cable Compartments for Switches

Dimensions in inches (mm)



Compartment 2: Models PME-6, -9, -10, and -11
Compartment 4: Models PME-10 and -11

Compartment 1: Models PME-5, -6, -9, -10, and -11
Compartment 3: Model PME-10

Voltage, kV			Dimensions in Inches (mm)①					
Nom.	Max②	BIL	A	B	C	D	E	H③
14.4	17●	95	12⅜ (314)	8¼ (210)	4⅛ (105)	20 (508)	15½ (394)	39 (991)
25	27■	125	12⅞ (327)	8¼ (210)	4⅛ (105)	24 (610)	19½ (495)	40¼ (1022)

① To the nearest ⅛-inch (3 mm).

② Maximum rating may be lower when current-limiting fuses are used. Consult appropriate current-limiting fuse manufacturer for complete fuse ratings.

③ For models equipped with optional base adapter, catalog number suffix "-K," increase dimension H by 6 inches (152 mm).

● Maximum rating is 17.5 kV for Model PME-10.

■ Maximum rating is 29 kV for Model PME-10 and for models equipped with S&C Fault Fiter Electronic Power Fuse mountings.

CONDUIT ENTRANCE

Shaded area indicates available area for conduit entrance.