

S&C Metal-Enclosed Mini-Rupter® Switches | Wall Mounted

Indoor Distribution (14.4 kv)

S&C Metal-Enclosed Mini-Rupter Switches, as illustrated in this photo sheet, are designed for mounting on a wall. They consist of a 600-ampere S&C Mini-Rupter Switch in a compact 11-gauge steel enclosure. The enclosure is indoor style and features dripproof construction, which includes gasketing between the roof and enclosure, around the door handle and switch-operating handle mounting plate, and on the top flange of the door opening. The enclosure is protected by S&C's light gray Durabake® finish. This design, construction,

and finish make these metal-enclosed switches particularly suitable for installation in a vault or other installation where floor space and ceiling height may be limited.

The S&C Mini-Rupter Switch is a three-pole group-operated interrupter switch. It features a quick-make, quick-break mechanism integrally mounted to the switch frame. This mechanism opens and closes the switch swiftly, independent of the speed of switch handle operation. A nonremovable switch operating handle,

Removable lifting tabs are backed with a closed-cell (non-absorptive) material to protect the enclosure finish when hoisting—bolt sockets are blind tapped

External ground pads, at top and bottom, facilitate connection of enclosure to system ground

Switch-operating handle, with gasketing between mounting plate and enclosure, includes provisions for padlocking switch in open or closed position . . . accommodates optional key interlock for interlocking handle with other apparatus

Louvers, at top and bottom of door, promote ventilation to help keep the interior dry. Screened vents are provided in the enclosure bottom plate

Mounting tabs—at bottom on each side, at top and bottom on rear—provide flexibility needed for various mounting arrangements

Nameplate

Cautionary signs, nameplate, and switch-position labels are bold and clear

Padlockable door handle—flush-mounted design features a protective hood that shields the padlock shackle and gasketing around the handle-pocket opening

Catalog Number	90652-B1G2X2
Kv, Nominal	14.4
Kv, Max Design	17.0
Kv, BIL	.95
Amperes, Rms	
Continuous	600
Live Switching	
Load Dropping	600
Two-Time, Duty-Cycle, Fault-Closing	
Asymmetrical	40,000
Short-Time	
Momentary, Asymmetrical	40,000
One-Second, Symmetrical	25,000

Lifting tabs (removable), mounting tabs, and ground pads on the exterior of the enclosure facilitate installation of S&C Metal-Enclosed Switches.

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mounted on either the left side or right side of the enclosure, is furnished with each metal-enclosed switch.

The Mini-Rupter is specifically designed to handle all three-phase live-switching duties, including full-load and associated transformer-magnetizing and cable-charging currents plus fault-closing operations. The fault-closing ability—expressed in terms of two-time duty-

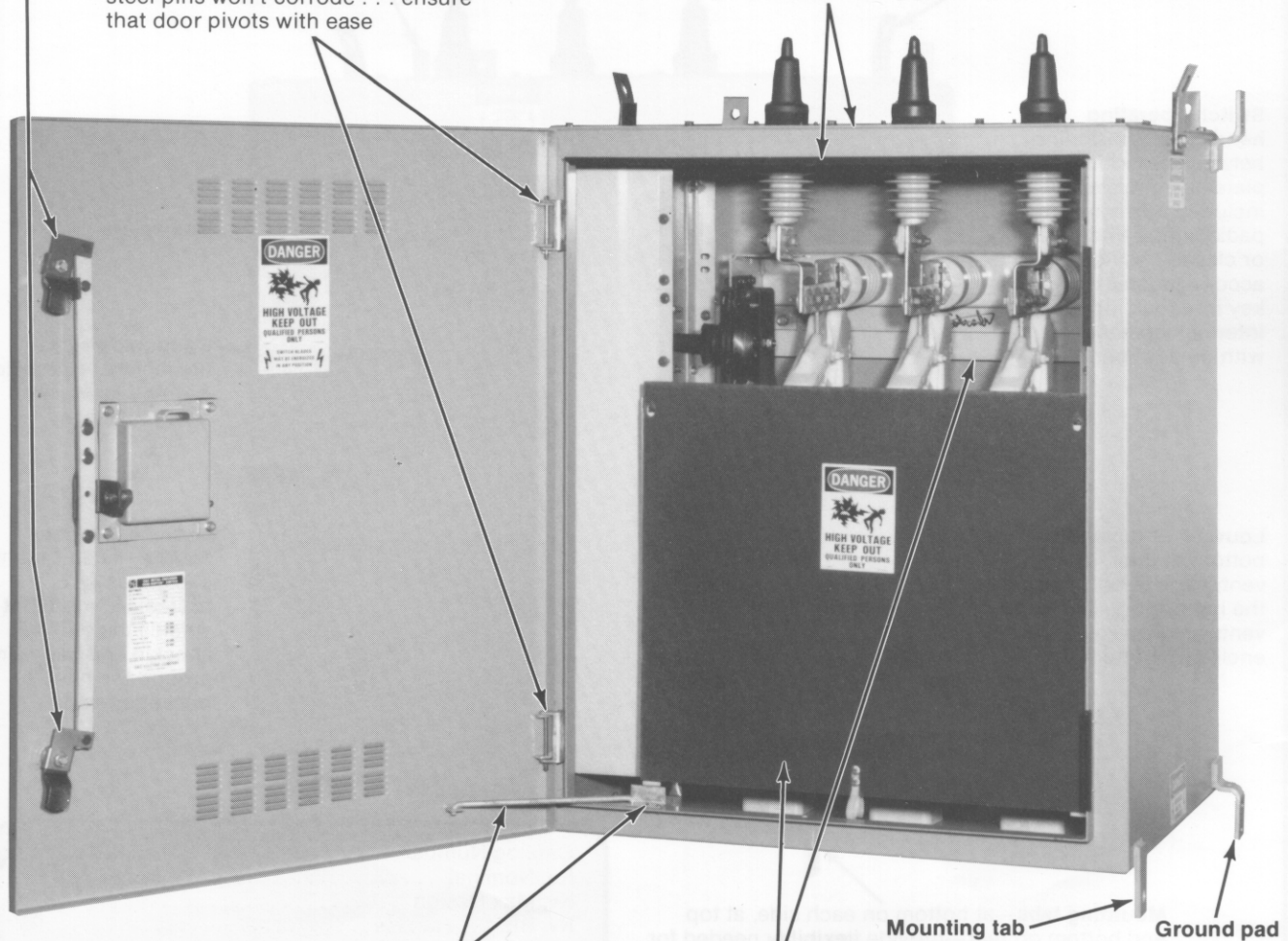
cycle fault-closing ratings—represents the available fault current into which the switch can be closed twice, remaining operable and able to carry and *interrupt* rated current.

S&C Metal-Enclosed Switches can be furnished for cable entrance through conduit by specifying optional enclosure extenders (suffixes “-H1” through “-H4”) as

Door latches of high-strength corrosion-resistant materials compress the gaskets . . . latches strike against stainless-steel plates that protect the enclosure finish

Door hinges of galvanized steel with stainless-steel pins won't corrode . . . ensure that door pivots with ease

Drip-proof construction provides gasketing between roof plate and top of enclosure, at top stile of door opening, and (as shown on page 1) around door handle and between switch-operating handle mounting plate and enclosure



Door holder stores on flange at bottom stile of door opening—retainer (on stile) guards against inadvertently placing holder toward inside of enclosure

Dual-purpose front barrier (optional) of GPO3-grade fiberglass-reinforced polyester, shown in normal, suspended position, guards against inadvertent contact with live parts . . . in slide-in position provides isolation from upper terminals and bus . . . window barrier at top of door opening permits clear view of switch to check position

Pictured above is a metal-enclosed switch furnished with the optional dual-purpose front barrier (suffix “-B2”) which guards against inadvertent contact with the live parts.

642-701 PHOTO SHEET

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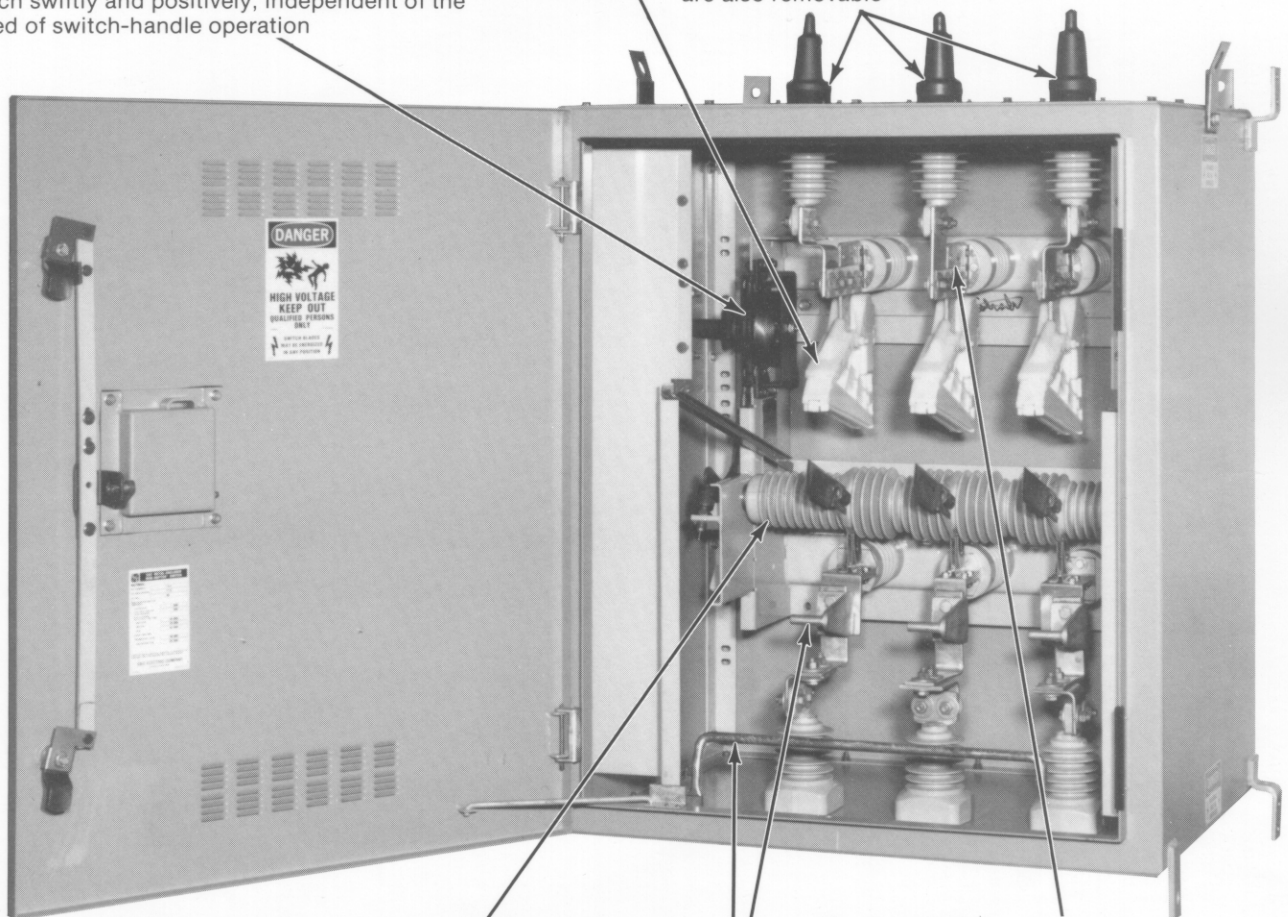
required to increase available termination space; or for cable connection to terminators by specifying optional mounting provisions for porcelain terminators (suffix “-U2” which accommodates G&W PATR-1701 and Joslyn PSC-J-9280-FA terminators, or suffix “-U3” which accommodates G&W PATR-1772 terminators), optional 200-ampere S&C Cypoxy[®] Bushing Wells

(suffix “-X1”), or optional 600-ampere S&C Cypoxy Bushings (suffix “-X2”) illustrated below. The bushings and bushing wells conform to ANSI/IEEE Standard 386 (ANSI Standard CI 19.2) to accept all standard elbows and accessories.

Arc compressor provides controlled circuit interruption without external arc or flame

Quick-make, quick-break mechanism closes and opens switch swiftly and positively, independent of the speed of switch-handle operation

S&C Cypoxy Bushings (optional), rated 600 amperes continuous, have continuous and short-time ratings equal to those of the Mini-Rupter Switch. Bushing flanges are gasketed to top and bottom plates . . . edges of openings in roof plate are coated flush to plate with a corrosion preventive compound . . . protective covers over bushing are removed for installation and threaded studs are also removable



S&C Mini-Rupter Switch, rated 600 amperes continuous and interrupting, utilizes a multipurpose, single blade for each phase . . . there are no auxiliary blades dependent on correct sequencing with a main blade

Aluminum bus furnished with optional bushings

Ground studs (optional) on hinge end of switch and on enclosure ground pad . . . mounted up front to facilitate connection of grounding clamps . . . also available on main-contact end of switch

Interior view of metal-enclosed switch with the optional dual-purpose front barrier completely removed.

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