



Differences between energy storage closing and opening of switch cabinet

What is a gang operated switch?

The switch operating handle shall be covered by a hinged door to discourage casual contact by unauthorized personnel. Three-pole gang operated. Manual quick-make, quick-break over-toggle-type mechanism that does not require the use of a chain or a cable for operation, and uses a heavy-duty coil spring to provide opening and closing energy.

How do you close a power switch?

To close the switch, the handle is inserted into the spring charging cam, then rotated upward through an angle of 120 degrees. This action charges the operating spring, and as the mechanism is forced past toggle, the stored energy of the spring is released and transferred to the main shaft that snaps the switch closed.

What is an open-close control switch?

One (1) open-close control switch for manual electrical operation of each load interrupter switch. A switch to permit a choice of automatic or manual return to the normal condition of the two mains closed and the tie open.

What is the operating voltage of a switch?

Operating voltage shall be 120V, 60 Hz available (from a fused control transformer) (from an external source as shown on the drawings). The switch shall be capable of manual operation should loss of control power be encountered.

How does extending a switch lock work?

Extending the bolt not only locks the switch in the open position, but it also breaks electrical motor contacts integral to the lock and permits the key to be removed. With the key, the operator can then open the lock on the switch door. This scheme gives positive assurance that the switch is open and cannot be closed with the door open.

What is a metal-enclosed load interrupter switchgear?

The metal-enclosed load interrupter switchgear shall consist of deadfront, completely metal-enclosed vertical sections containing load interrupter switches and fuses (where shown) of the number, rating, and type noted on the drawings or specified herein.

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