Motors Served by a Single Disconnecting Means (Group Switching)

430.112 covers the requirements for serving two or more motors with the same disconnecting means. Each motor must be provided with an individual disconnecting means unless:

(a) all motors drive parts of a single machine
or (b) all motors are 1 Hp or less as permitted by 430.53(A)
or (c) all motors are in a single room and within sight (visible and not more than 50 feet) of the disconnecting means.

Group Switching Application

Preferred Method: Can achieve excellent protection and lower cost.

Group Switching with Group Motor Protection Application

* Must be within sight of the branch circuit disconnecting means.

§ Must meet both group motor protection (430.53) and group switching requirements (430.112). Often limited in application. See prior page.

** Often used in addition to MMP for automatic/remote control.

† Unless all motors are 1 horsepower or less, or unless the smallest motor is protected according to 430.52, circuit breakers are required by 430.53(C) to be listed for this purpose. There are no circuit breakers listed for group motor installations except for HVAC equipment. Fuses are not required to be listed for this purpose (current-limiting fuses have maximum short-circuit current let-through \( I_p \) and \( I_{2t} \) umbrella limits that circuit breakers do not have).