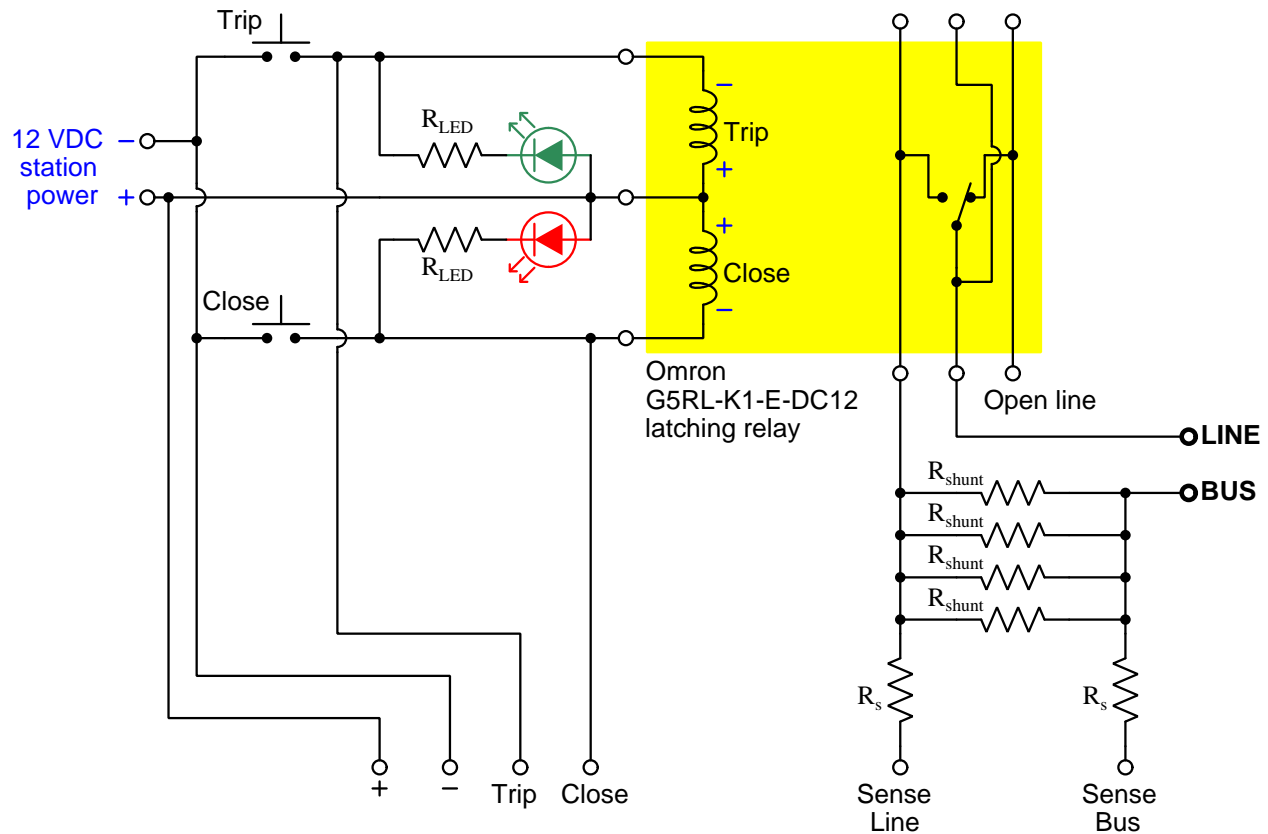


Circuit breaker design version 0



R_{shunt} resistors provide a means to infer current through breaker, by producing a voltage drop proportional to current.

R_s resistors provide current-limiting to the current-sensing circuitry in the event of that sensing circuitry developing a fault. Otherwise, high current from the LINE or BUS terminals might cause damage. If the current-sensing circuitry is operating properly, these resistors will be of no effect whatsoever.

Prototyping area on PCB permits student-built circuits for current-sensing, automatic breaker trip, automatic breaker close, and other useful functions. A 3"x2" daughter PCB may be mounted above this prototyping area for adding even more functionality.