Ladder logic symbols

Drawn by Deskely in their most common form. Project drawing notes and legends take precedence.

deskely

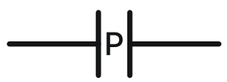
CONTACTS



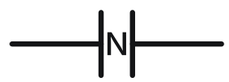
Normally open contact



Normally closed contact



Positive transition contact

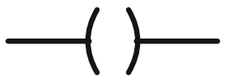


Negative transition contact

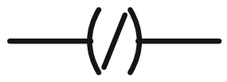


One shot (ONS)

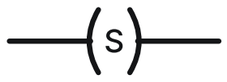
COILS



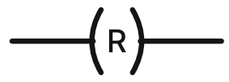
Output coil



Negated coil

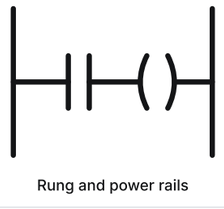


Set (latch) coil



Reset (unlatch) coil

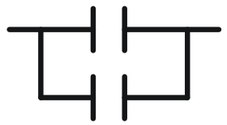
RUNGS AND BRANCHES



Rung and power rails

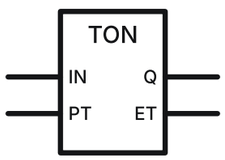


Series contacts (AND)

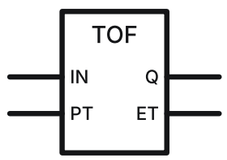


Parallel branch (OR)

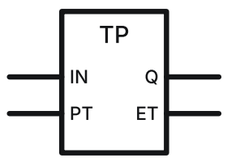
TIMERS AND COUNTERS



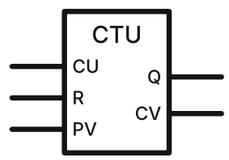
TON on-delay timer



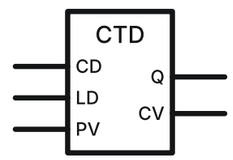
TOF off-delay timer



TP pulse timer

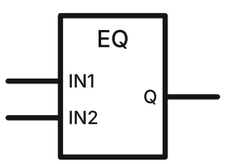


CTU up counter

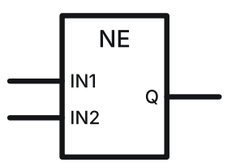


CTD down counter

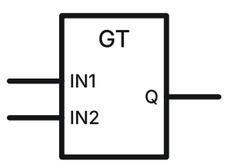
COMPARE, MOVE AND LOGIC BLOCKS



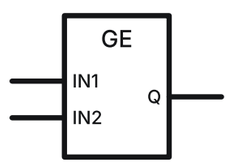
Equal (EQ)



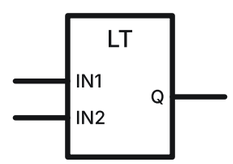
Not equal (NE)



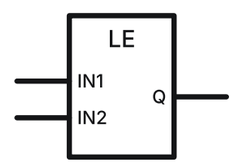
Greater than (GT)



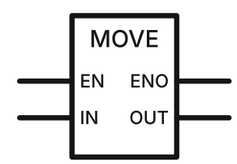
Greater than or equal (GE)



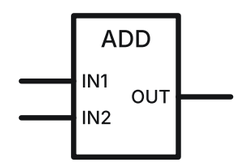
Less than (LT)



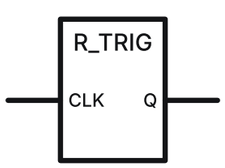
Less than or equal (LE)



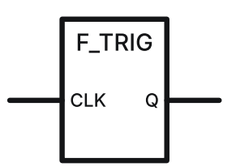
MOVE (MOV)



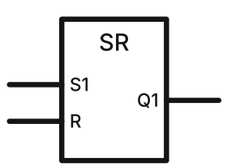
ADD



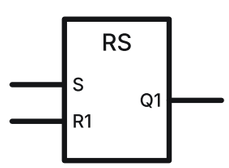
R_TRIG rising edge



F_TRIG falling edge



SR set-dominant bistable



RS reset-dominant bistable