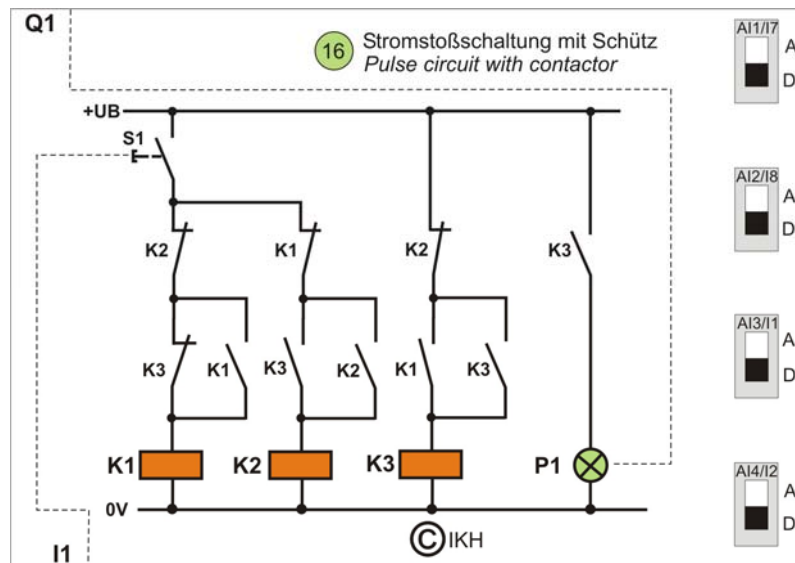


Pulse circuit with contactor with LOGO!Learn

Learning card: Pulse circuit with contactor

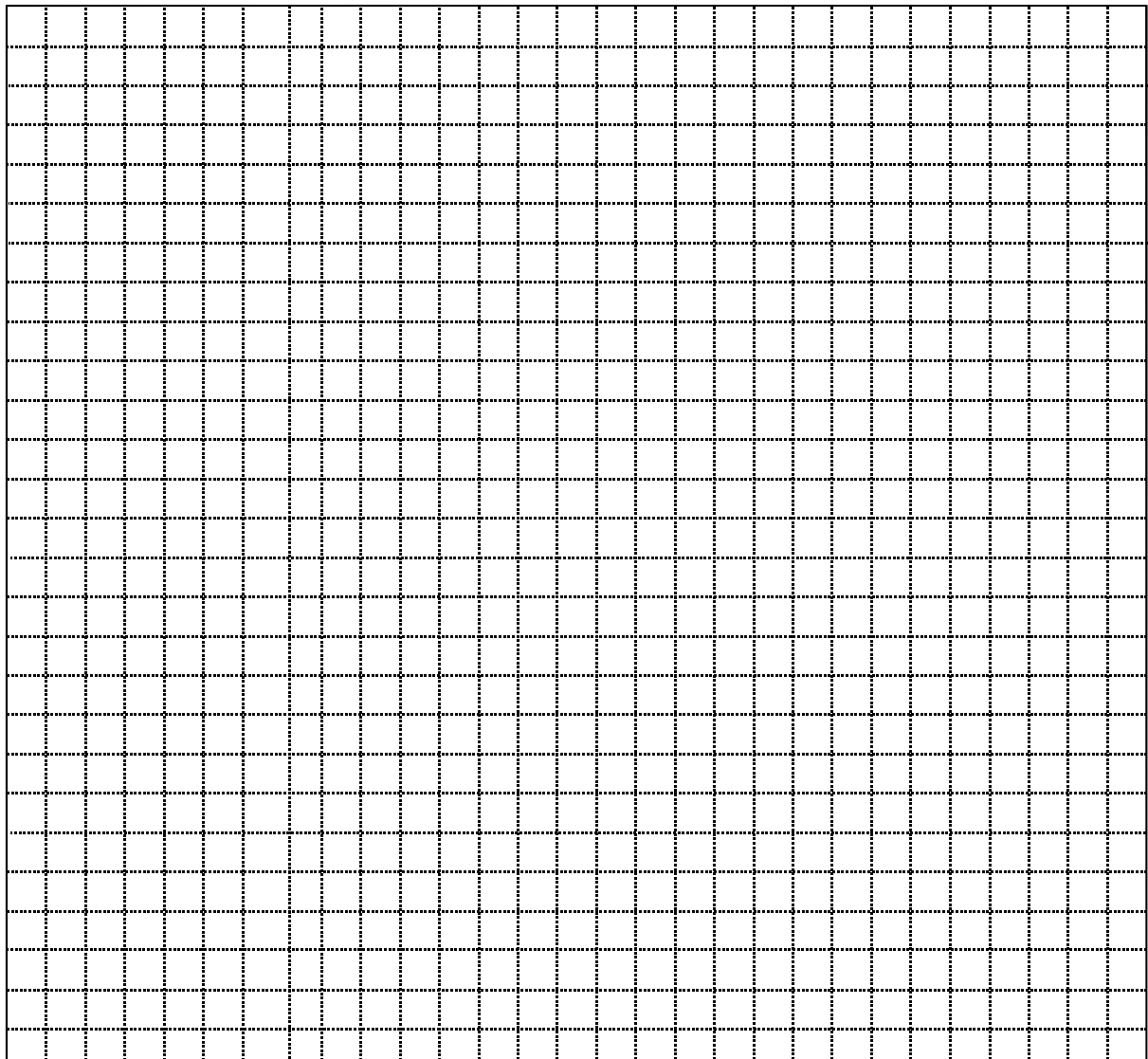


The learning card shows a pulse circuit with contactors as a circuit diagram. If button S1 is pressed, the contactor K1 closes and holds for as long as the button is pressed. Simultaneously the contactor K3 closes and holds automatically and at the same time the pilot lamp (P1) lights up. If button S1 is pressed again, the contactor K2 closes and releases the contactor K3 and the pilot lamp goes out. This process can be repeated as often as required.

Correlation list		
Symbol	absolute	Comment
S1	I1	Button
K1	M1	Memory flag
K2	M2	Memory flag
K3	M3	Memory flag
P1	Q1	Status LED (Pilot lamp)

Exercise

- Convert circuit diagram into function block diagram (FBD) (solution field 1)
- Convert circuit diagram into ladder diagram (LAD) (solution field 2)
- Enter program according to function block diagram (FBD) into the programming unit (i.e. PC or keyboard) and transfer into LOGO!
- Enter program according to ladder diagram (LAD) into the programming unit (i.e. PC or keyboard) and transfer into LOGO!
- Test program

Solution field 1 (function block diagram)

Solution field 2 (ladder diagram)

