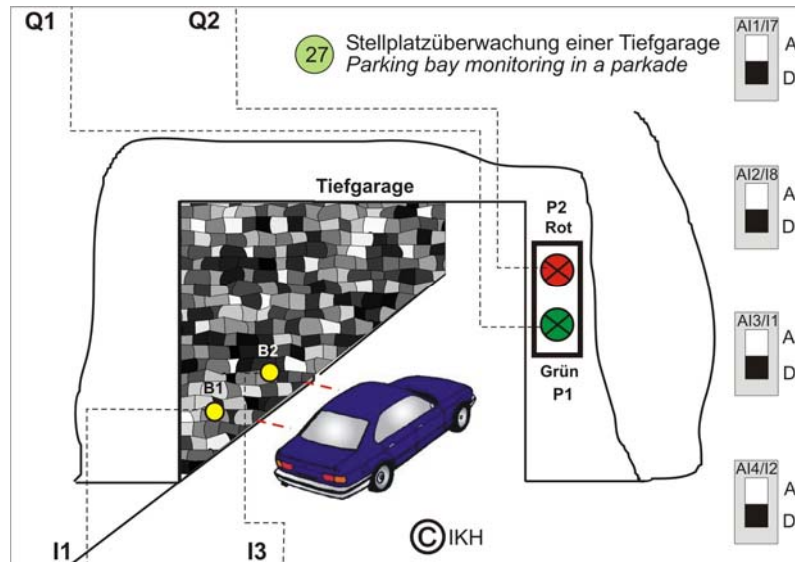


Parking bay monitoring in a parkade with LOGO!Learn

Learning card: Parking bay monitoring in a parkade



Operating description

A parkade has 10 available bays. At the entrance a traffic light is installed which switches to red, once all available parking bays are occupied. Should a bay become available, the light switches to green. Exit and entrance can only be passed by one car at a time. To activate the counting process, both light beams (entrance/exit have to be activated one after the other.

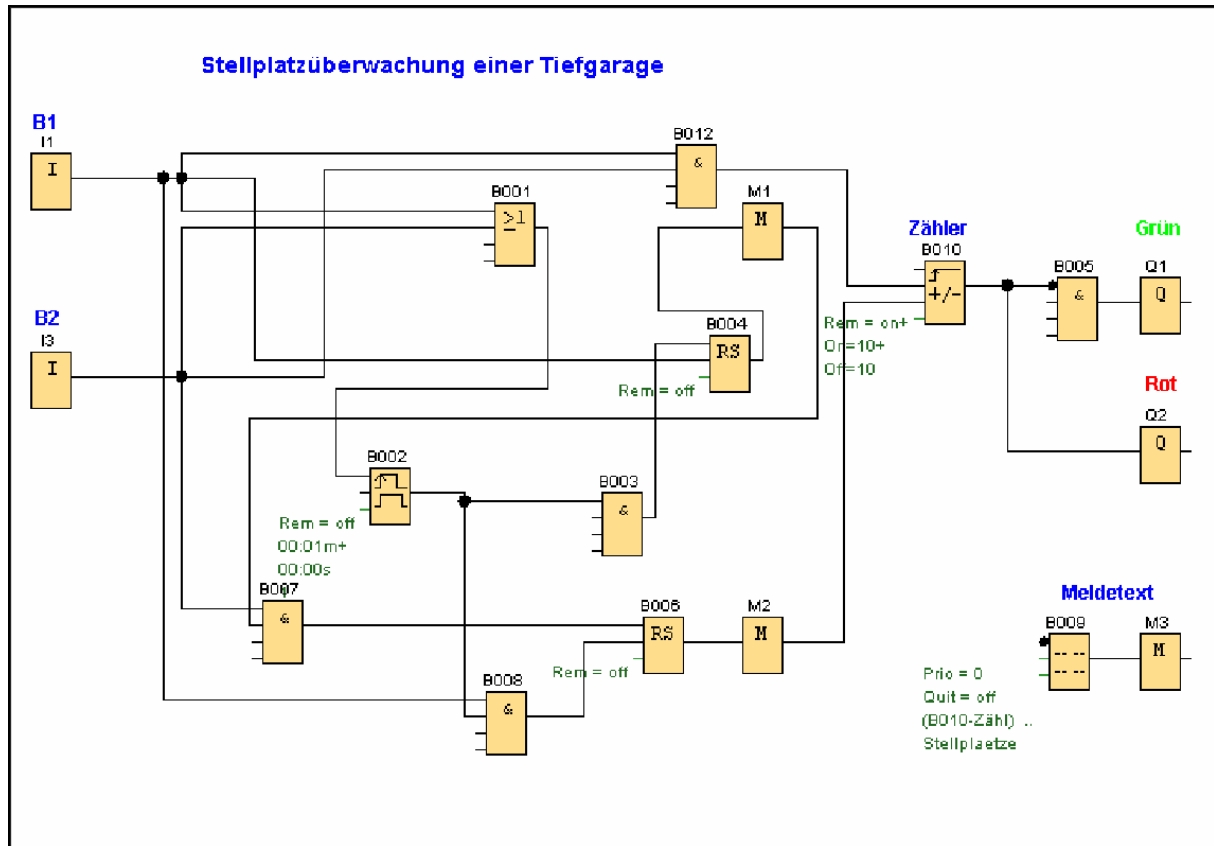
| Correlation list | | |
|------------------|----------|---------------------|
| Symbol | absolute | Comment |
| I1 | B1 | Light beam |
| I3 | B2 | Light beam |
| Q1 | P1 | Traffic light Green |
| Q2 | P2 | Traffic light Red |

Exercise

Solution field 1 shows a suggested solution.

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

Solution field 1 (suggested solution)



Solution field 2 (ladder diagram)

