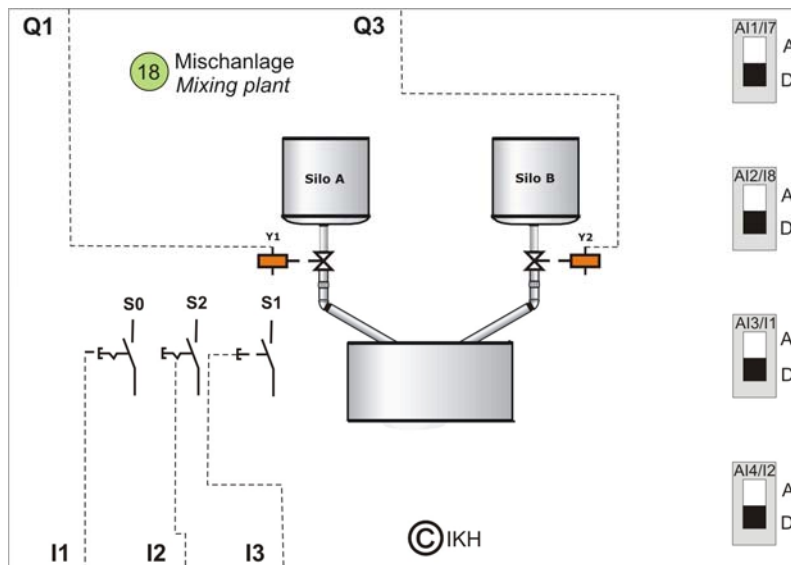


Mixing plant with LOGO!Learn

Learning card: Mixing plant



Operating description

The selection switch S2 allows a choice of two types of bulk goods in a mixing plant. At switch position A (S2=L-signal) bulk goods A are delivered to a mixing tank if button S1 is pressed simultaneously. Bulk goods B are transported likewise if selection switch S2 is at position B (S2=L-signal) and button S1 is pressed simultaneously. The dispensing process is switched-off with switch S0.

Zuordnungsliste		
Symbol	absolut	Kommentar
S0	I1	Switch
S1	I3	Button
S2	I2	Selection switch
Y1	Q1	Valve Bulk goods A
Y2	Q3	Valve Bulk goods B

Function table

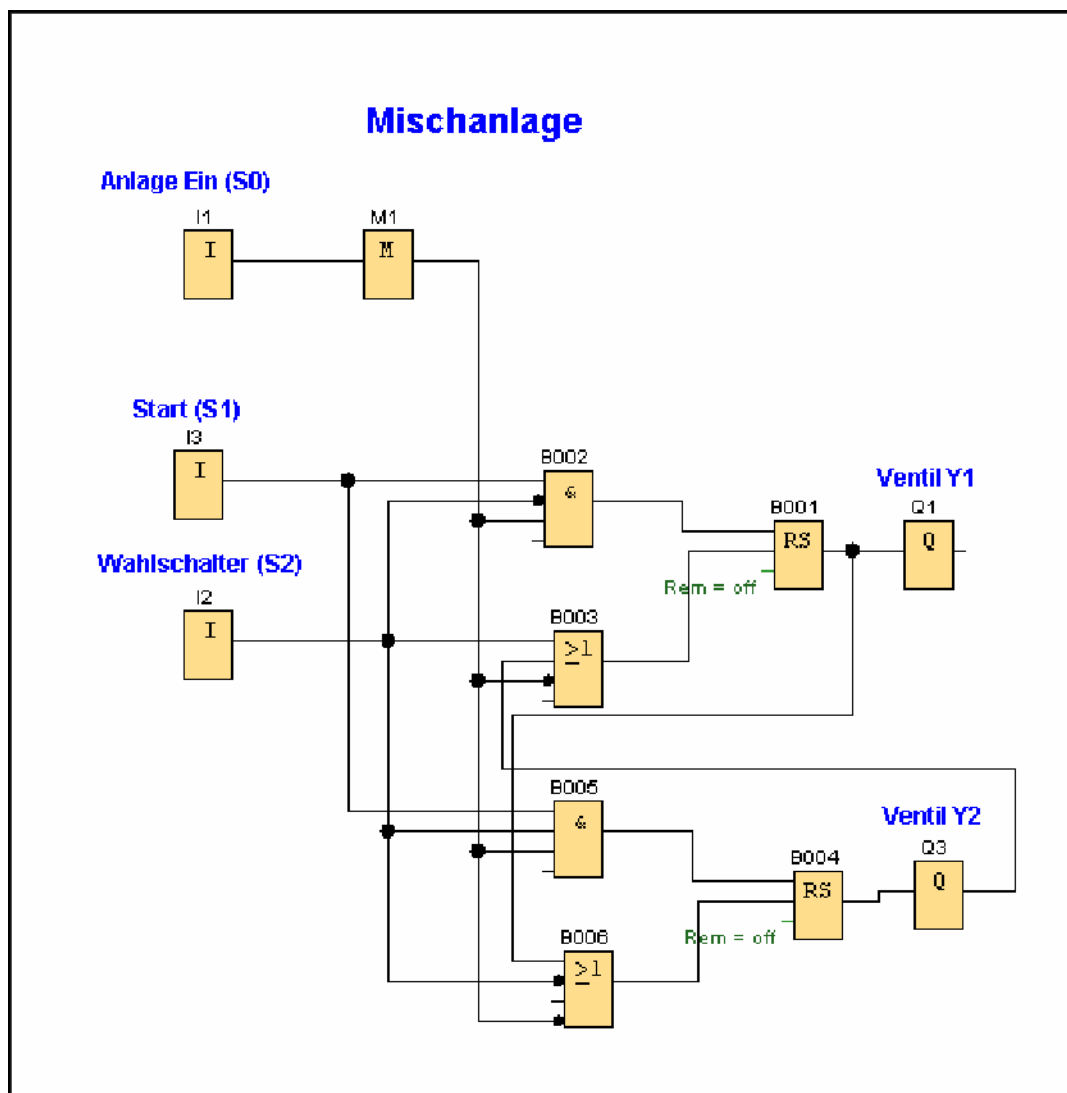
S0	S1	S2	Y1	Y2
H	L	L	L	L
H	L	H	L	L
H	H	L	H	L
H	H	H	L	H
L	H	H	L	L
L	L	H	L	L
L	H	L	L	L

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 according to function table.
- 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



Solution field 2

