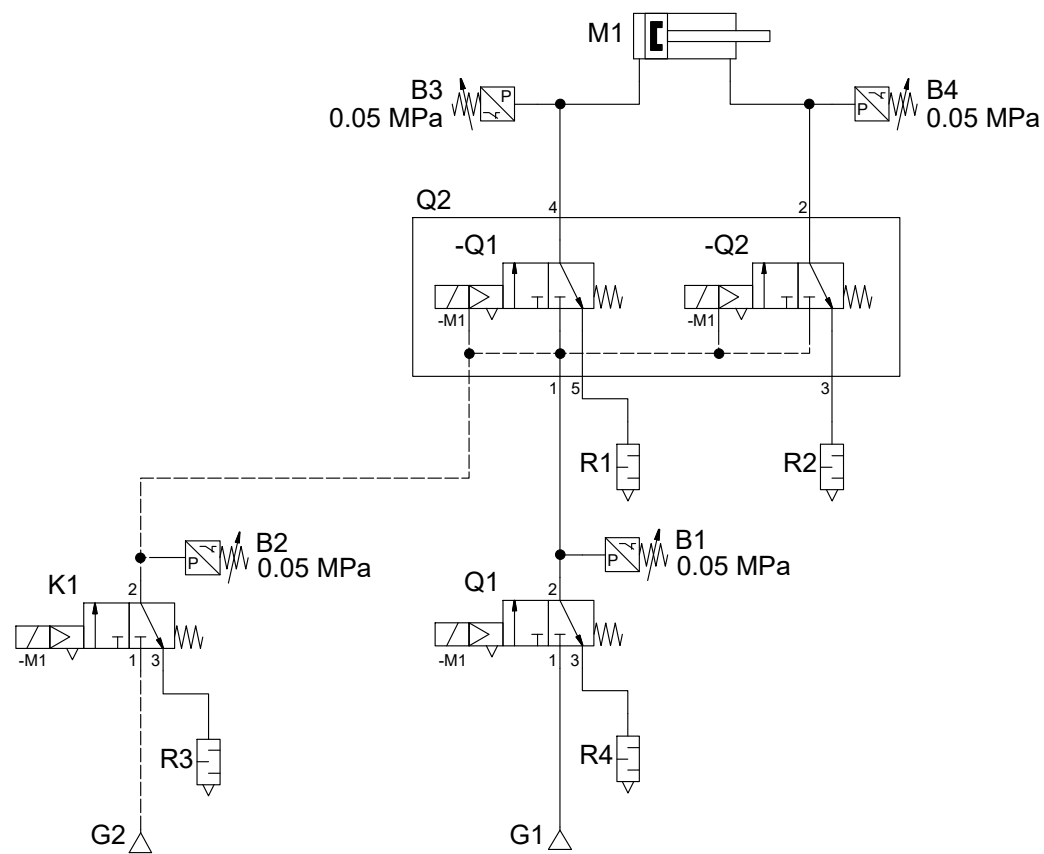




Parts list

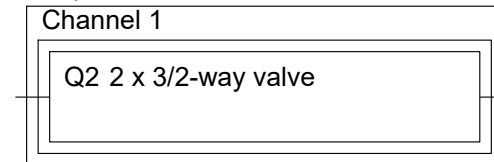
Pos...	Identifi...	Description
1	B1	Pressure switch
2	B2	Pressure switch
3	B3	Pressure switch
4	B4	Pressure switch
5	G1	Operation pressure
6	G2	Pilot air
7	K1	3/2-way valve
8	M1	Double-acting drive
9	Q1	3/2-way valve
10	Q2	2 x 3/2-way valve
11	R1	Silencer
12	R2	Silencer
13	R3	Silencer
14	R4	Silencer

Safety subfunction and Block diagram

STO - safe torque off

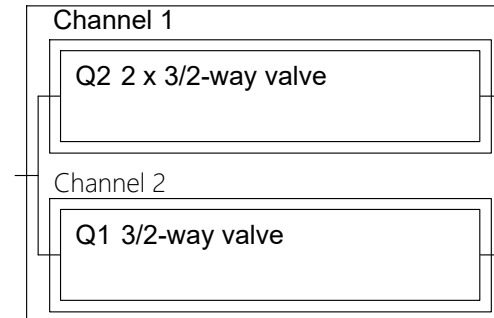
up to category 1, up to PL c can be reached

Output



PUS - Prevention unexpected start-up (operation pressure) category 3, up to PL e can be reached

Output

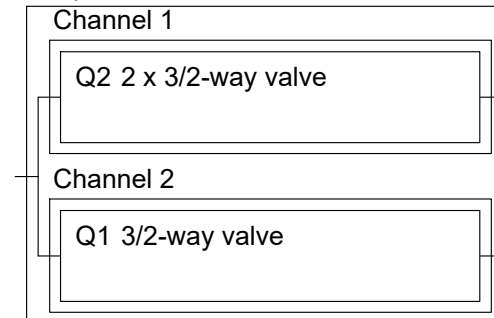


Q2, B3, B4
2 x 3/2-way valve
Diagnostic coverage DC=90%
Indirect monitoring
With switching time monitoring by pressure switch
(estimate according ISO 13849-1, table E.1)

Q1, B1
3/2-way valve
Diagnostic coverage DC=90%
Indirect monitoring
With switching time monitoring by pressure switch
(estimate according ISO 13849-1, table E.1)

PUS - Prevention unexpected start-up (pilot pressure) up to category 3, up to PL e can be reached

Output



Q2, B3, B4
2 x 3/2-way valve
Diagnostic coverage DC=90%
Indirect monitoring
With switching time monitoring by pressure switch
(estimate according ISO 13849-1, table E.1)

K1, B2
3/2-way valve
Diagnostic coverage DC=90%
Indirect monitoring
With switching time monitoring by pressure switch
(estimate according ISO 13849-1, table E.1)

Q2 Valve with positive lap