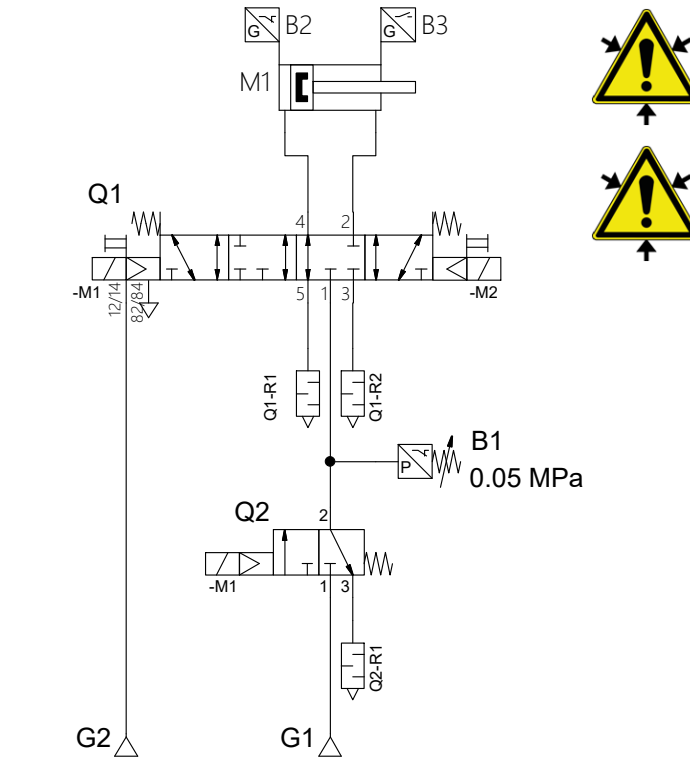




Parts list

Pos....	Identifi...	Description
1	B1	Pressure switch
2	B2	Limit switch
3	B3	Limit switch
4	G1	Operation pressure
5	G2	Pilot pressure
6	M1	Double-acting drive
7	Q1	5/4 way valve
8	Q1-R1	Silencer
9	Q1-R2	Silencer
10	Q2	3/2-way valve
11	Q2-R1	Silencer

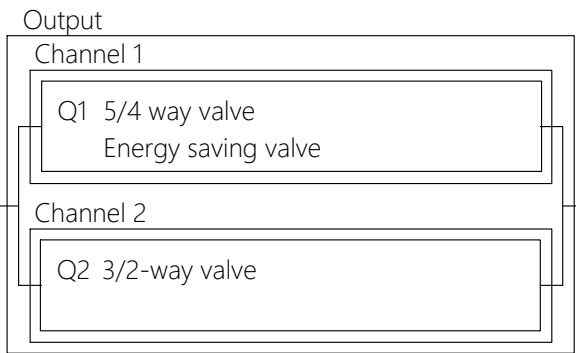


Safety subfunction

SC - Safe Closing

up to category 3, up to PL d can be reached

Block diagram (single valves)



Q1, B3, B4
5/4 way valve
Diagnostic coverage DC=90%
Indirect monitoring
With positioning time monitoring by limit switches and with test cycle
(estimate according ISO 13849-1, table E.1)

Q2, 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)