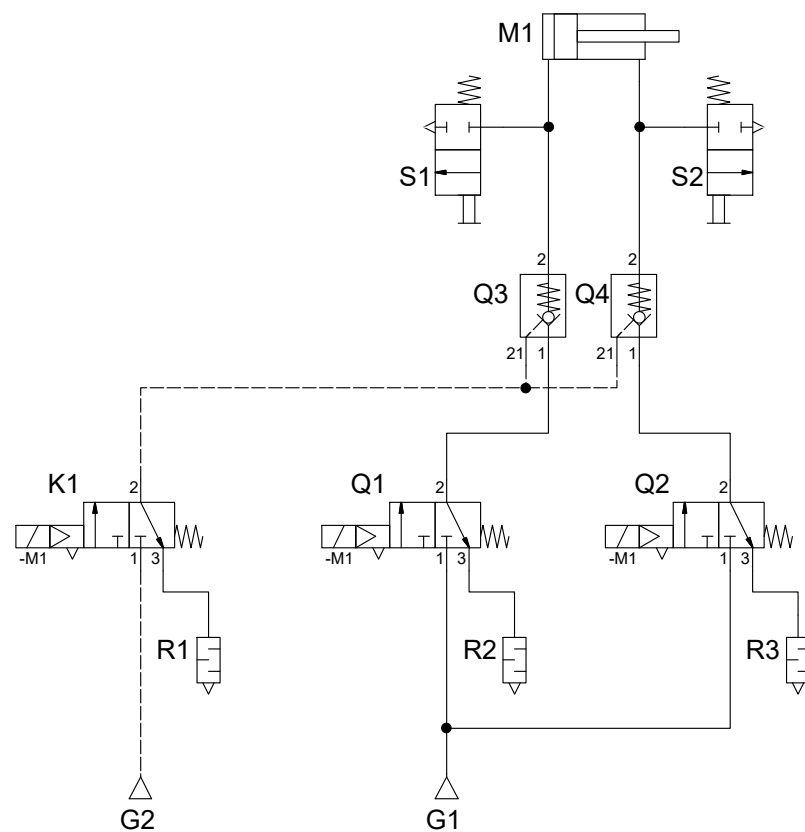




According to ISO 14118 enclosed pressurized air shall be marked and shall be provided with a possibility for manual pressure release. A dangerous movement can occur if the pressure is manually exhausted. Leakage can cause movements that cannot be stopped. Additional protective measures may be necessary.



In the event of a failure of Q1 or Q2 compressed air can flow through the piloted check valves until the forces are balanced. This can lead to an increased run-on time or movement of the drive, which should not lead to any hazard.

Parts list

Pos...	Identifi...	Description
1	G1	Operation pressure
2	G2	Pilot air
3	K1	3/2-way valve
4	M1	Double-acting drive
5	Q1	3/2-way valve
6	Q2	3/2-way valve
7	Q3	Piloted check valve
8	Q4	Piloted check valve
9	R1	Silencer
10	R2	Silencer
11	R3	Silencer
12	S1	2/2-way valve
13	S2	2/2-way valve

Safety subfunction

SSC - Safe Stopping and Closing

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

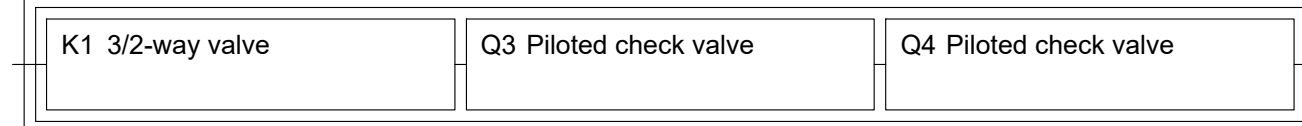
PUS - Prevention unexpected start-up

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

Block diagram

Output

Channel 1



					Date	Name		Project 100501	Installation			
				Drawn				Page	Circuit	Location		
				Seen						Scale	Page 1	
No.	Modification	Date	Name	Release						of 1		