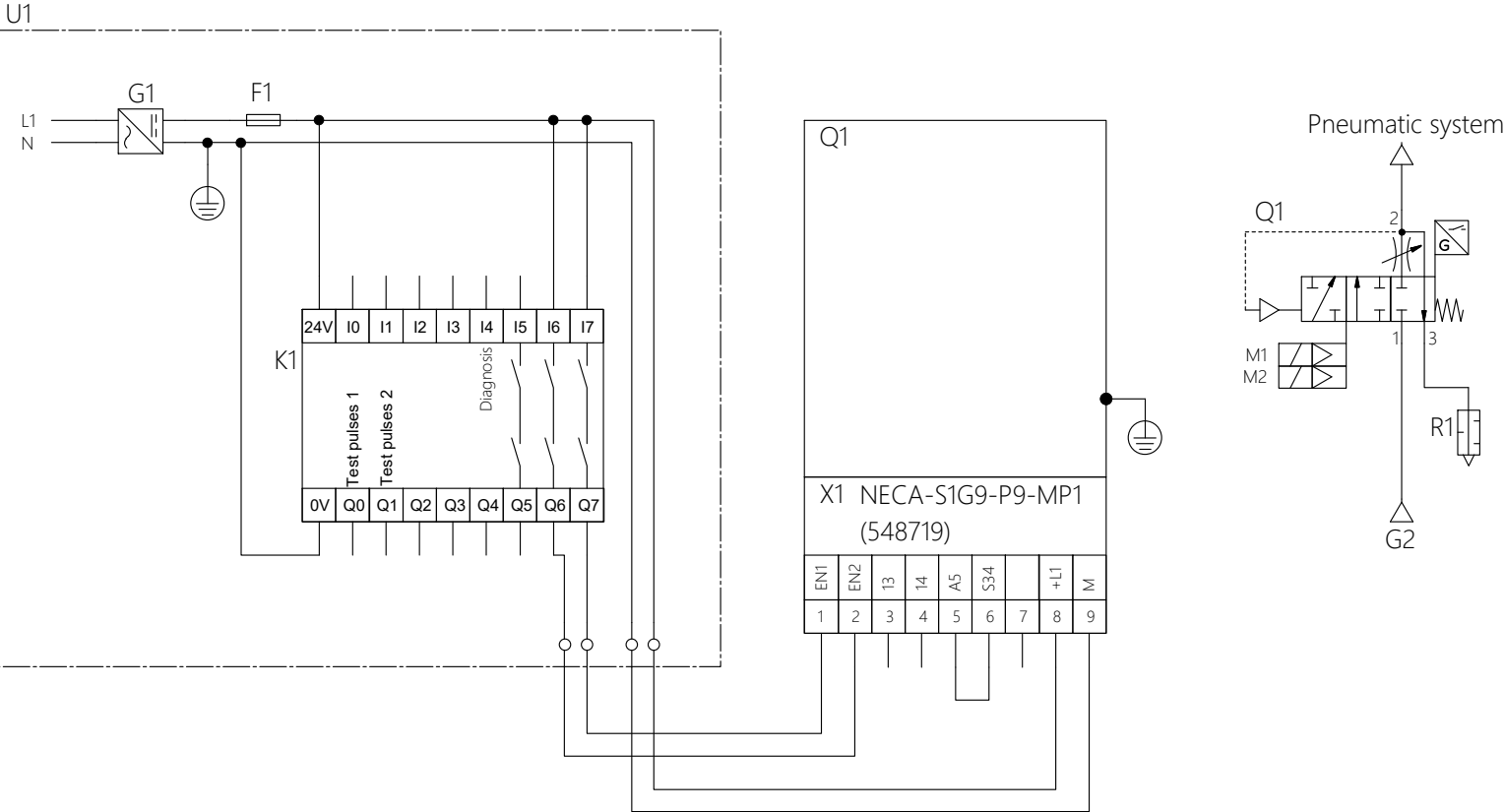




Parts list

Pos....	Identifi...	Description
1	F1	Fuse
2	G1	PELV power supply 24 VDC
3	G2	Operation pressure
4	K1	Safety switching device
5	Q1	Soft-start / quick exhaust valve
6	R1	Silencer
7	U1	Control cabinet
8	X1	Multipin connector

Safety subfunction

SDE - Safe de-energization

up to category 4, up to PL e can be reached

PUS - Prevention unexpected start-up

up to category 4, up to PL e can be reached

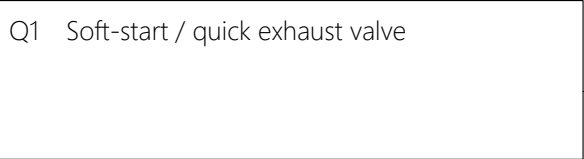
Block diagram

SDE - Safe de-energization

PUS - Prevention unexpected start-up

nop ≤ 8760

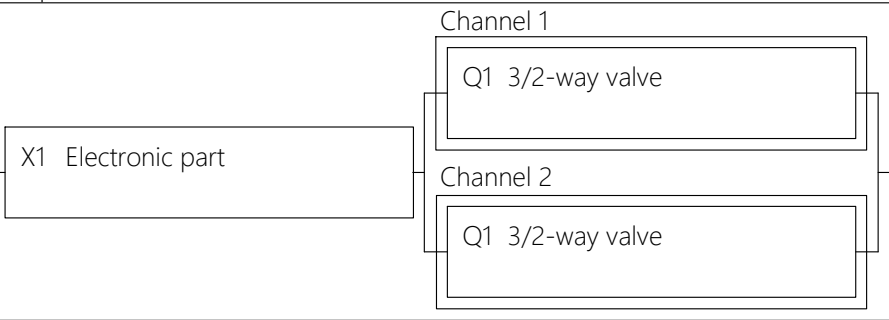
Output



Q1
3/2-way valve
Subsystem
Manufacturer ensures compliance with the requirements of the category and of the PL.

nop > 8760

Output

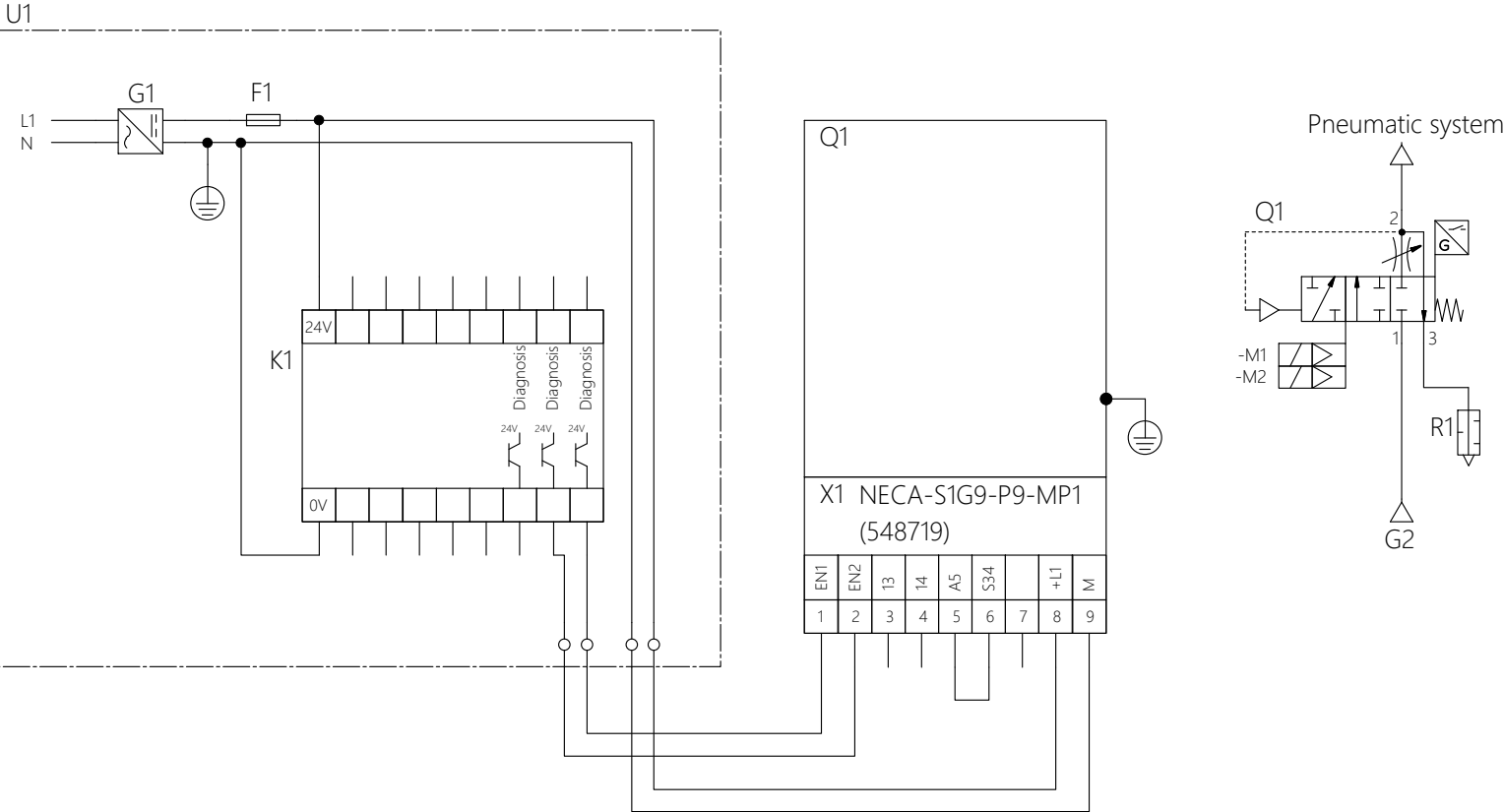


Q1, X1
Diagnostic coverage DC=99%
Direct monitoring

Q1, X1
Diagnostic coverage DC=99%
Direct monitoring

B10 value of the pneumatic part and PFHD value of the electronic part is specified in table 14 in the operating instructions.

					Date	Name	FESTO	Project	100530	Installation	
				Drawn				Page	NECA-S1G9-P9-MP1 (548719)	Location	
				Seen						Scale	Page 1
No.	Modification	Date	Name	Release							of 3



Parts list

Pos....	Identifi...	Description
1	F1	Fuse
2	G1	PELV power supply 24 VDC
3	G2	Operation pressure
4	K1	Safety switching device
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Safety subfunction

SDE - Safe de-energization

PUS - Prevention unexpected start-up

up to category 4, up to PL e can be reached

up to category 4, up to PL e can be reached

Block diagram

SDE - Safe de-energization

PUS - Prevention unexpected start-up

nop ≤ 8760

Output

Q1 Soft-start / quick exhaust valve

Q1 3/2-way valve

Subsystem

Manufacturer ensures compliance with the requirements of the category and of the PL.

nop > 8760

Output

Channel 1

Q1 3/2-way valve

X1 Electronic part

Channel 2

Q1 3/2-way valve

Q1, X1

Diagnostic coverage DC=99%

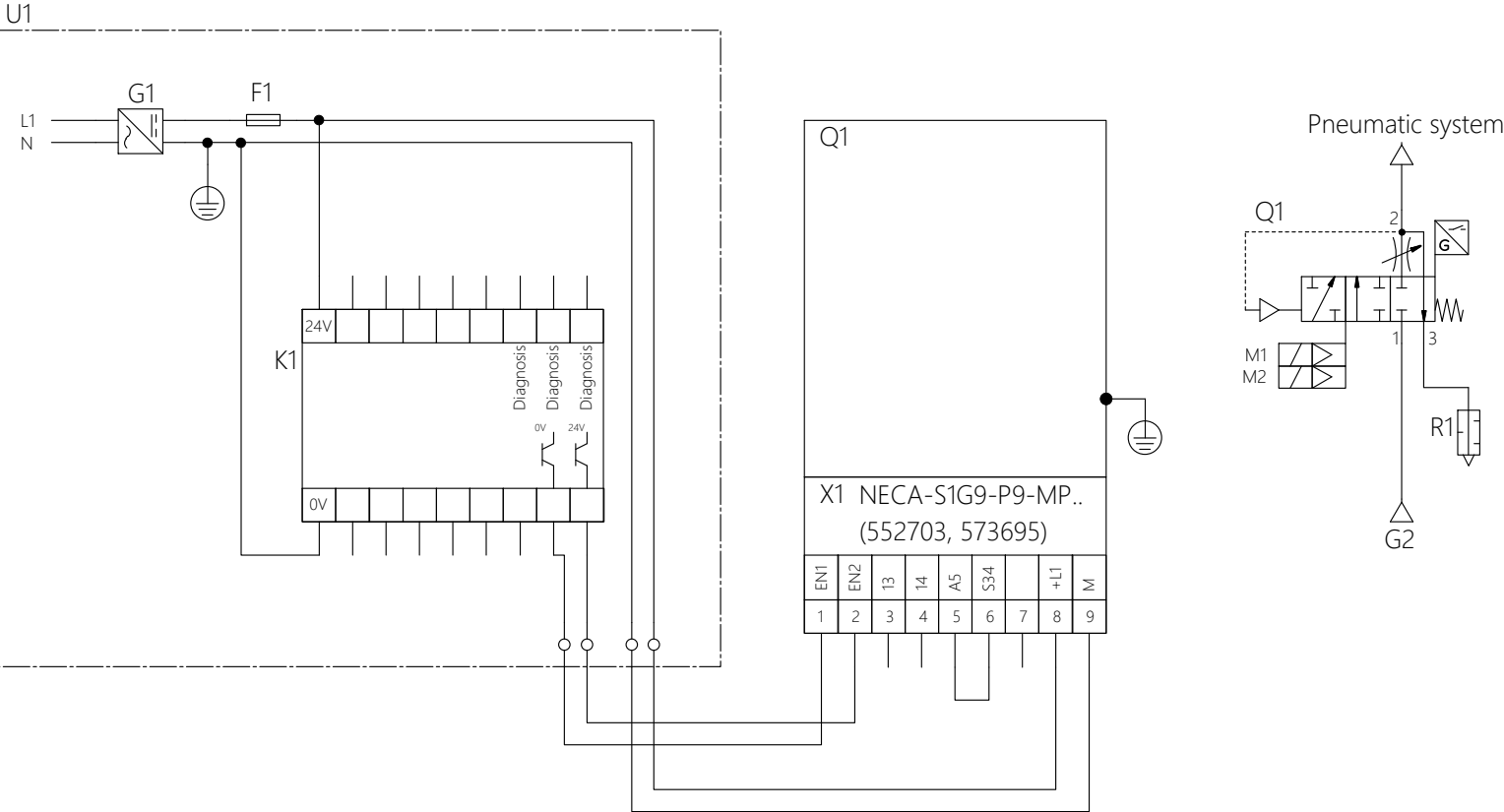
Direct monitoring

Q1, X1

Diagnostic coverage DC=99%

Direct monitoring

B10 value of the pneumatic part and PFHD value of the electronic part is specified in table 14 in the operating instructions.



Parts list

Pos....	Identifi...	Description
1	F1	Fuse
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Safety subfunction

SDE - Safe de-energization

PUS - Prevention unexpected start-up

Block diagram

SDE - Safe de-energization

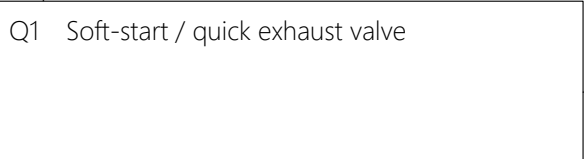
PUS - Prevention unexpected start-up

up to category 4, up to PL e can be reached

up to category 4, up to PL e can be reached

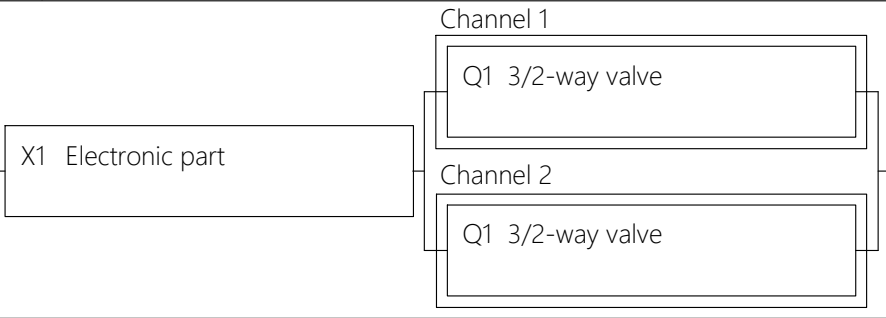
nop ≤ 8760

Output



nop > 8760

Output



Q1, X1
Diagnostic coverage DC=99%
Direct monitoring

Q1, X1
Diagnostic coverage DC=99%
Direct monitoring

B10 value of the pneumatic part and PFHD value of the electronic part is specified in table 14 in the operating instructions.

				Date	Name	FESTO	Project	100530	Installation	
				Drawn			Page	NECA-S1G9-P9-MP.. (552703, 573695)	Location	
				Seen					Scale	Page 3
No.	Modification	Date	Name	Release						of 3