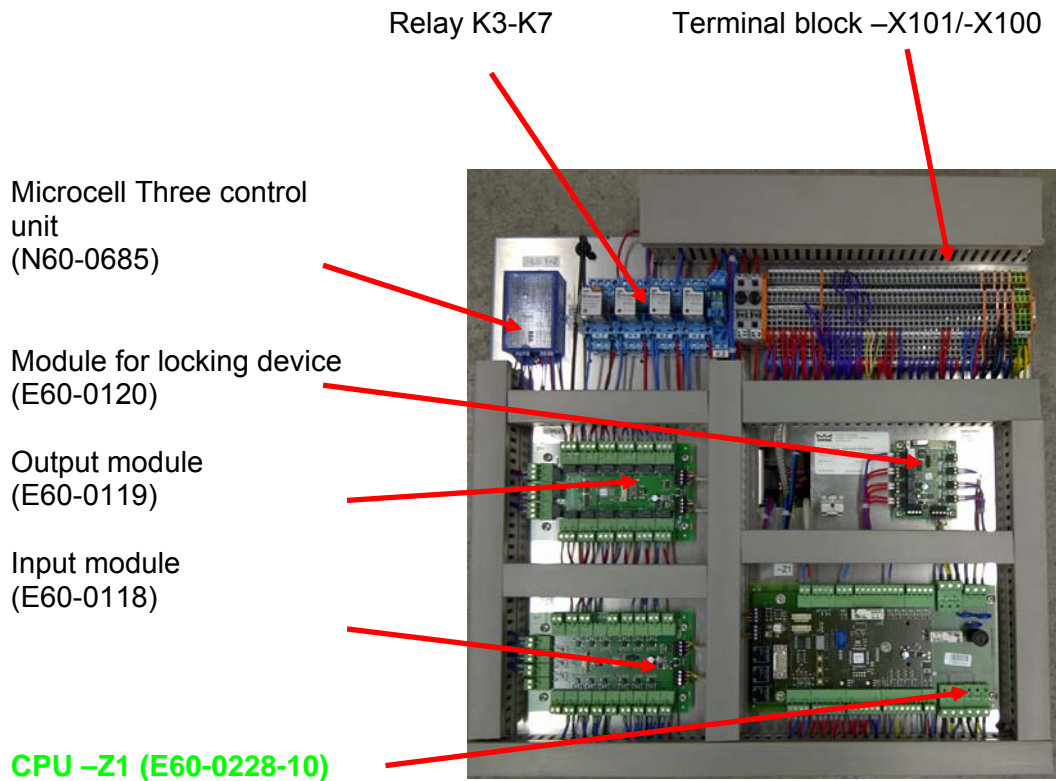# Software-Update Version 1.0.10 manual

In order to keep your door systems updated, please proceed with the following changes.

1.   Exchange CPU -Z1 (E60-0228-10) by the new one you already received.

Front view

Relay K3-K7   Terminal block –X101/-X100

Microcell Three control
unit
(N60-0685)

Module for locking device
(E60-0120)

Output module
(E60-0119)

Input module
(E60-0118)

CPU –Z1 (E60-0228-10)

Rear view

Frequency converter
(N60-0402)

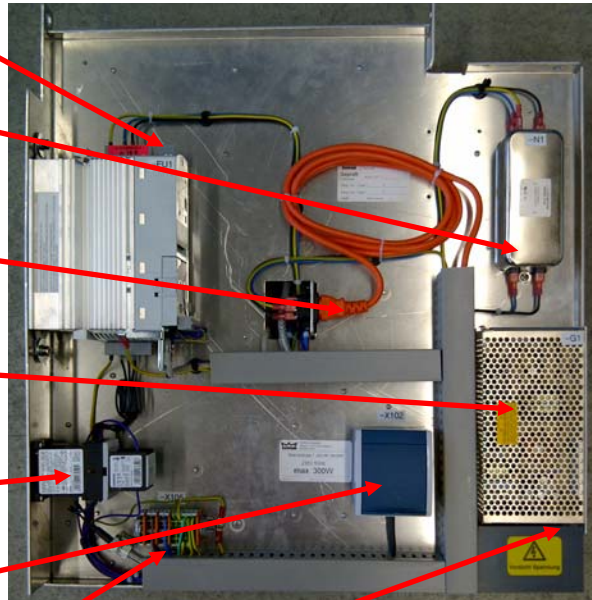Mains filter (N60-0405)

Mains connection
230 V AC –X103

24 V DC power supply unit
(N60-0583)

Relay K1
(N60-0560)

Service power outlet
max. 300 W
(N60-0694)

Collector (230VAC)-X105

Potentiometer for
24V DC adjustment

Readout the parameter settings before exchanging, in order to transfer these to the
new CPU.

The following chart shows the setting entries:

The **standard** values are shown here, they may however vary.

Parameters

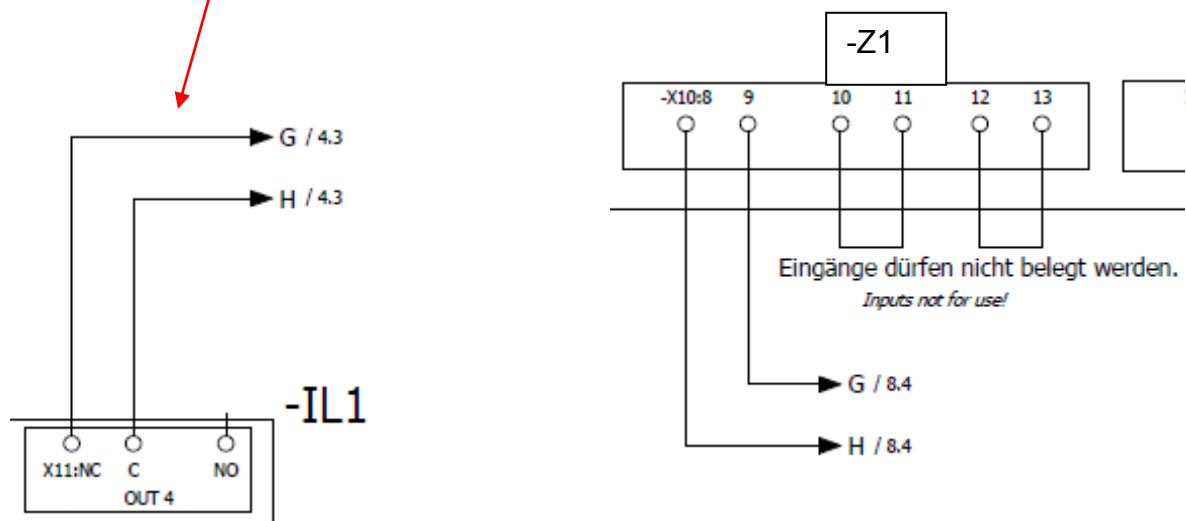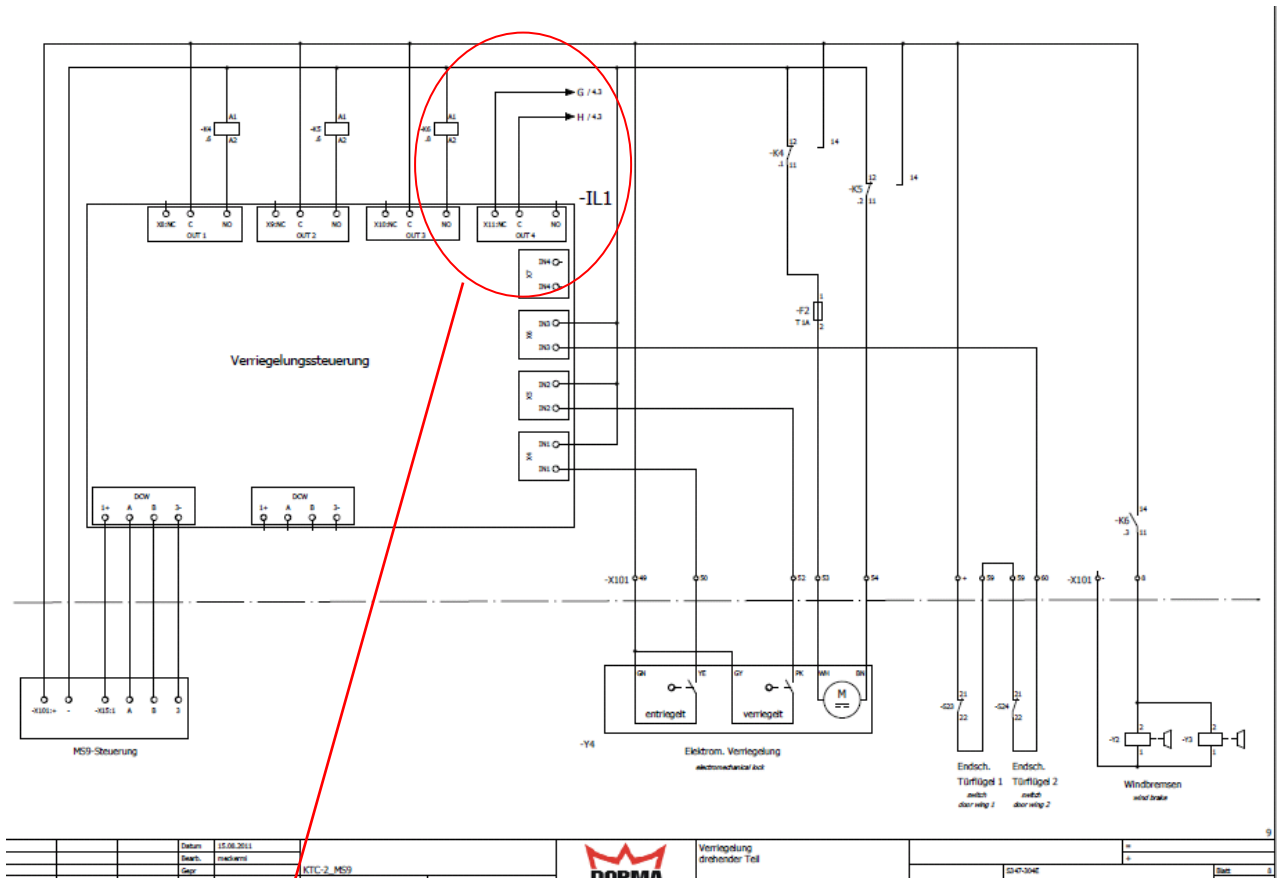| Parameter designation	Symbol	Description	Unit	Range	Original setting	Palm	Central system	Learning cycle	Original setting	Wiring
Current error status	E.d.	Error list				-	-	-	-	-
Door diameter	E.d.	Door diameter	mm	2000 .. 6500	**(system learns diameter)**	-	-	C	-	-
#el. locking devices		Electromechanical bolt locking device no = 0, yes = 1		0 .. 1	**0**	U	U	-	C	-
Hold after stop		Time until the el. brake is released after an Emergency Stop 0 = brake never released, 1 - 9 = after... sec.	sec	(0 .. 9) sec	**1**	U	U	-	C	-
#X-Pos Auto 1 - 2		Number of starting positions in Automatic 1 or 2		2 .. 5	**2**	U	U	-	C	-
SlowStop canopy		SlowStop time of canopy-integrated sensors	sec	(0 .. 15) sec 16 = ∞	**16**	U	U	-	C	-
SlowStop wing		SlowStop time of wing sensor	0.1 sec	(0 .. 15.9) sec 16.0 = ∞	**16.0**	U	U	-	C	-
Hold after stop		Time until the door starts after a safety stop	0.1 sec	(0 .. 9.9) sec	**1.0**	U	U	-	C	-
Sec. area stop		Detection range of canopy-integrated sensor in security area for SlowStop	mm	(d * (pi/3) .. 500) mm	**700**	U	U	-	C	-
Summer configuration		Starting-positions: 0°/180°			**(system reads X-positions)**	-	-	-	-	U
Starting position Summer		Starting-positions: 90°/270° [0], 60°/240° [1]		0 .. 1	**0**	U	U	-	C	-
PosV after safety stop		Time system operates in positioning speed after leaving the stationary position following a safety stop	0.1 sec	(0.0 .. 2.9) sec	**1.0**	U	U	-	C	-
A/M lighting		Automatic/manual lighting control		0 ... 1	**0 (auto)**	U	U	-	C	-
FUT warm air curtain		Follow-up time of warm air curtain	sec	0 ... 600	**10**	U	U	-	C	-

Caption:
U = adjustable value
C = resettable value
- = non-adjustable value

2. Reconnect **NC** at **OUT4** to **NO** at the locking module „IL1".

OLD:
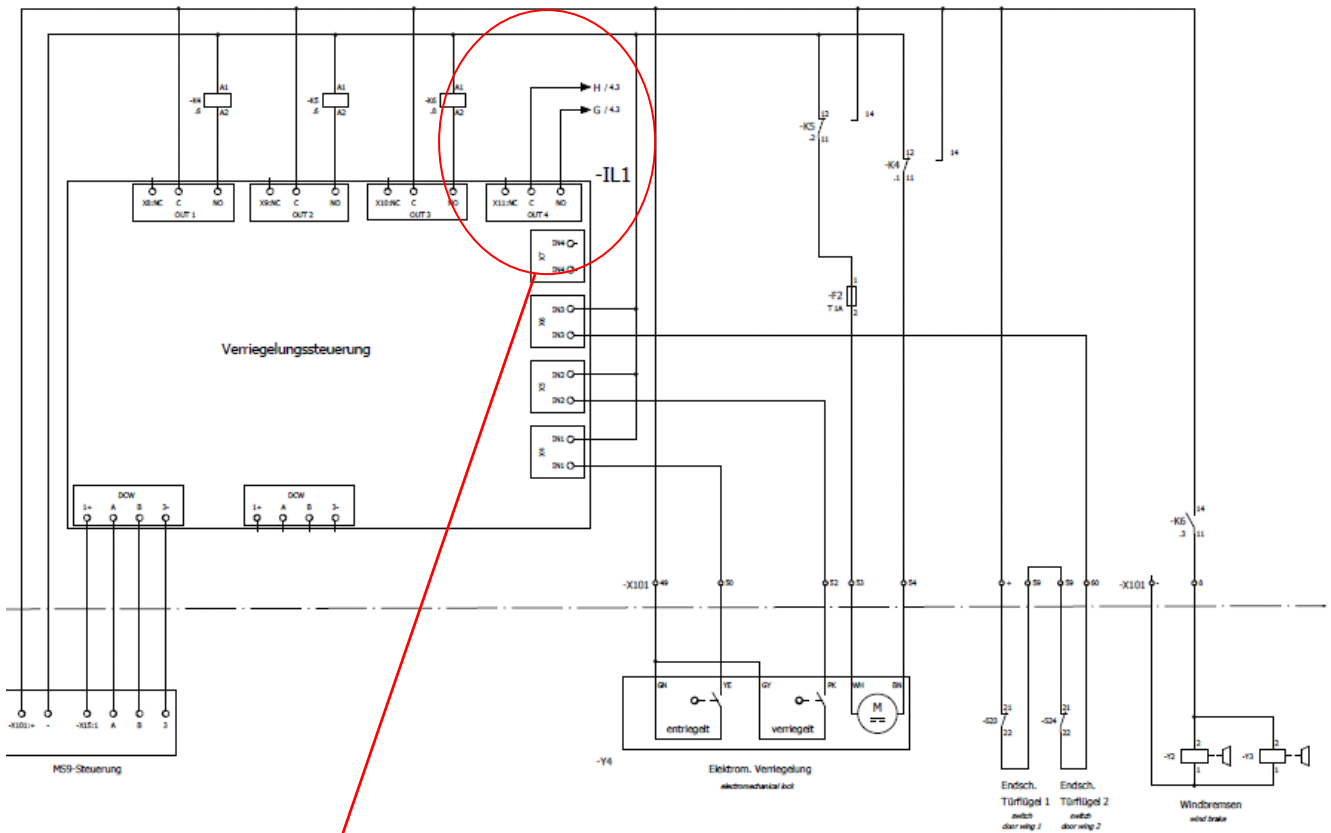
Eingänge dürfen nicht belegt werden.

Inputs not for use!

NEW:

-Z1

-IL1
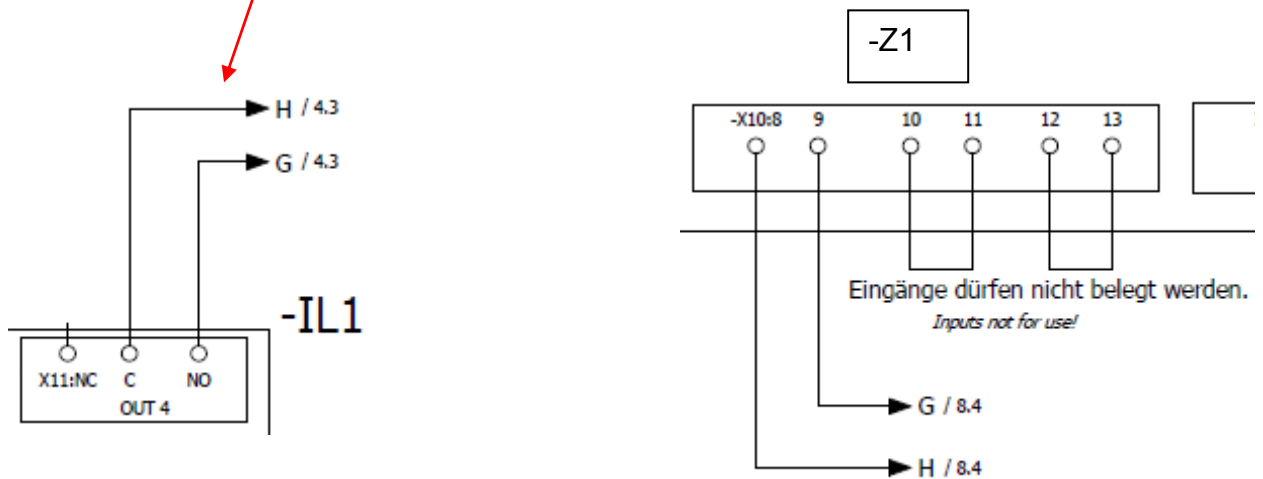
3. Please check if terminals X101:59 and 60 are connected to -IL1(see picture).

-Y4   Elektrom. Verriegelung
electromechanical lock
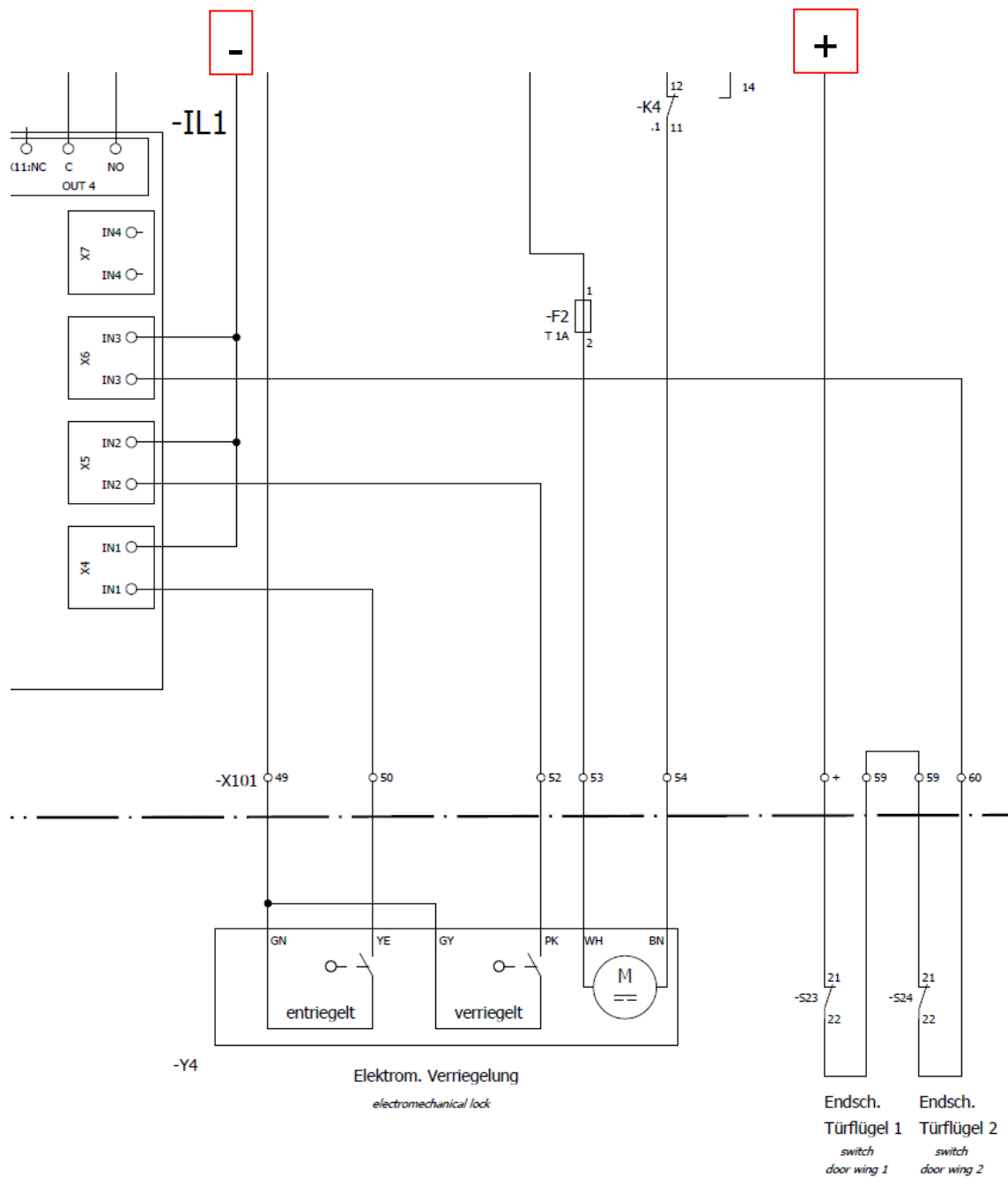
For doors with integrated sliding doors bridge –X101:+ with 60, please!

4. Change the following in the UPS monitoring circuit:

-   New terminal strips –X105
-   Additional relay K7 (230VAC-version)

Exchange the old terminal strip –X105 by the new one and install the additional relay K7. Wiring as follows:

NEW "K7"

Schaffner
FN 2080-12-06

-N1

LOAD
L1   N

L1   N
LINE

-X103   PE

Kaltgerätestecker
connector for
non-heating apparatus

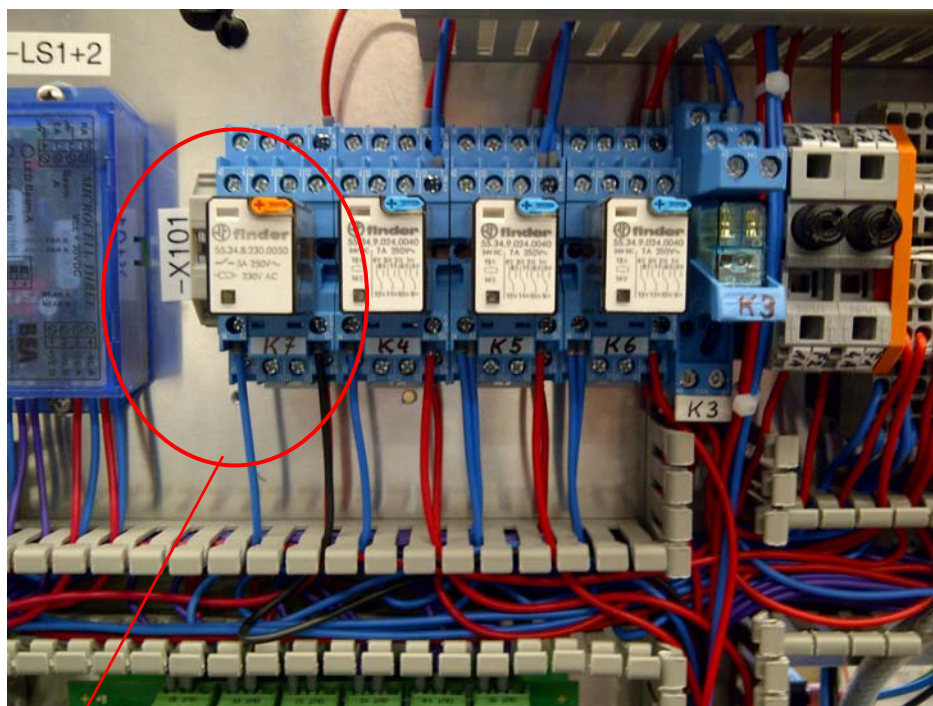-X103   L   N

lightening control
from external

-X105 PE   L1.5   L1   N1   -K7
                                      /6.6

A1
A2

S   S   S   S
R   1   R   2   R   3   R   4
    1   2   3   4

LOAD
L1   N

-N2

Schaffner
FN 612-10/06

L1   N
LINE

-X400 PE   1   L1   N

Einspeisung
230V/50Hz/10A

power
230V/50Hz/10A
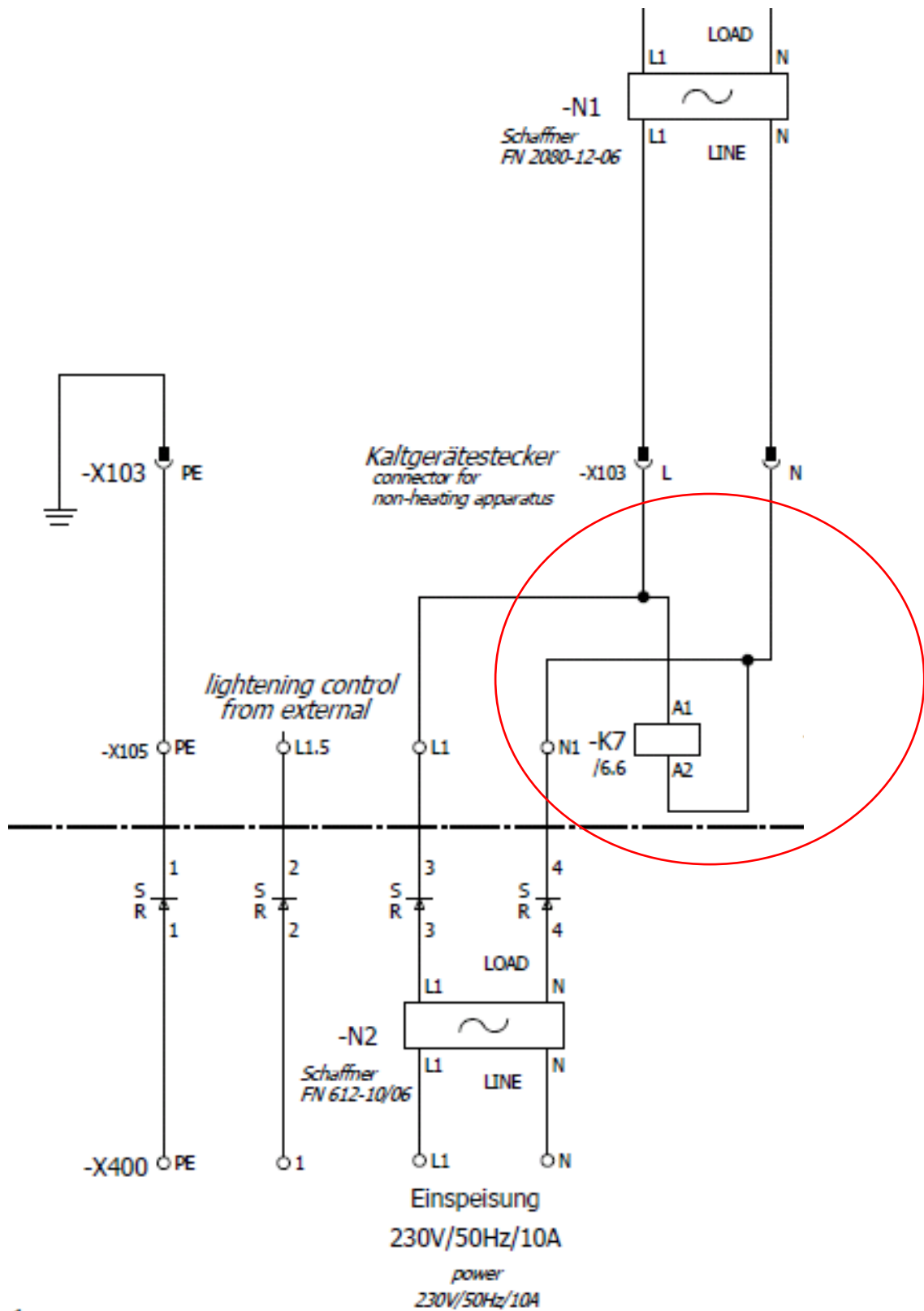
5. Carry out the wiring as follows if the door system is furnished **with** UPS:
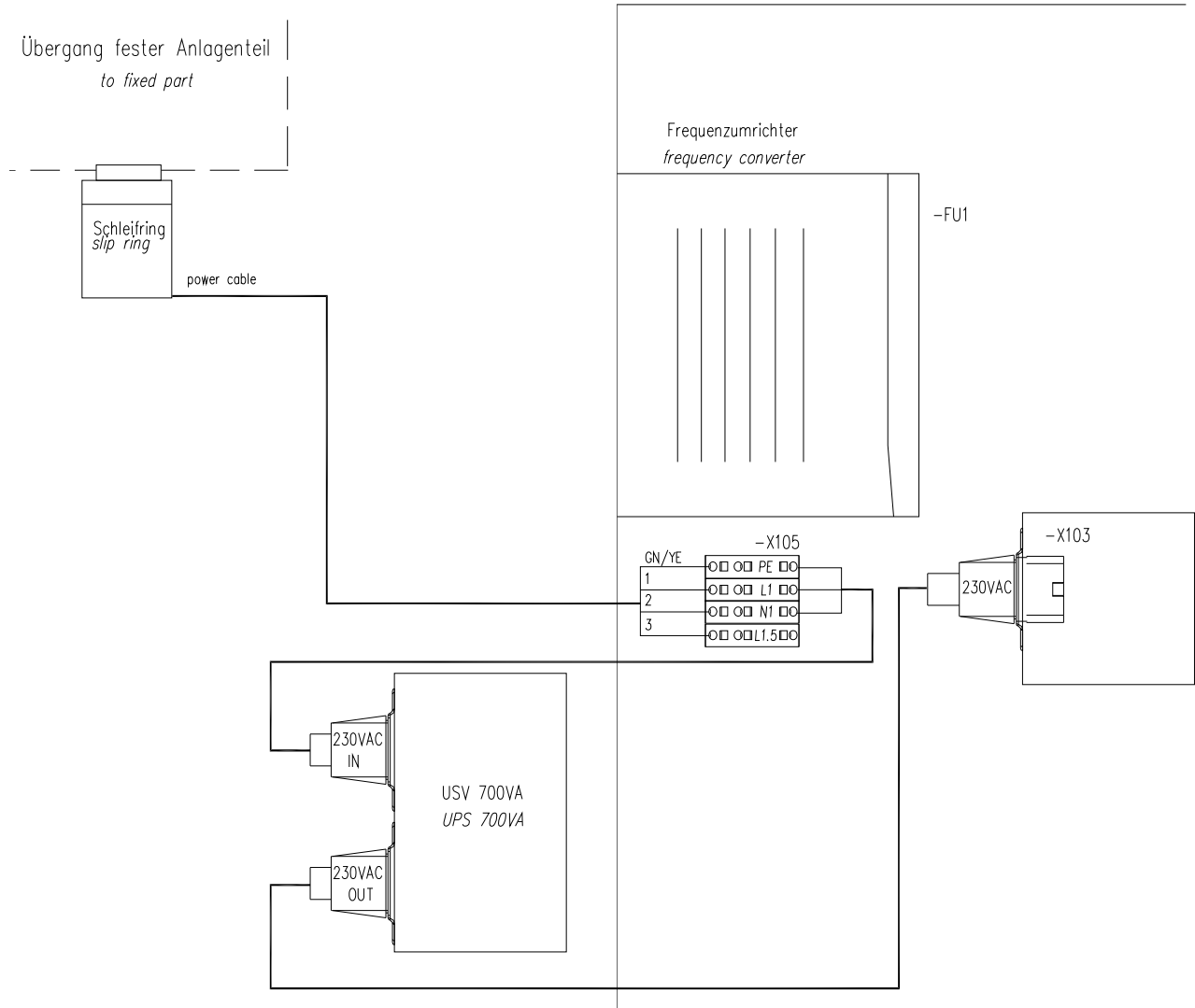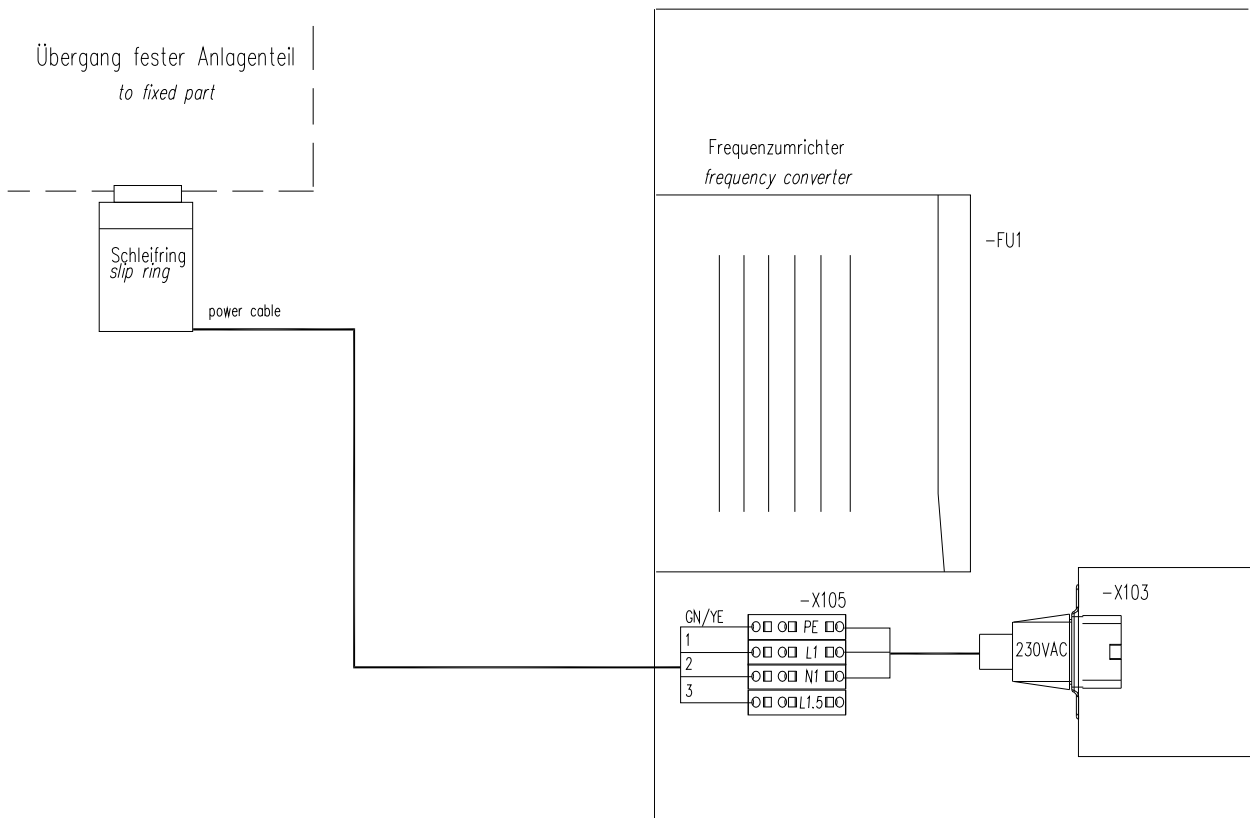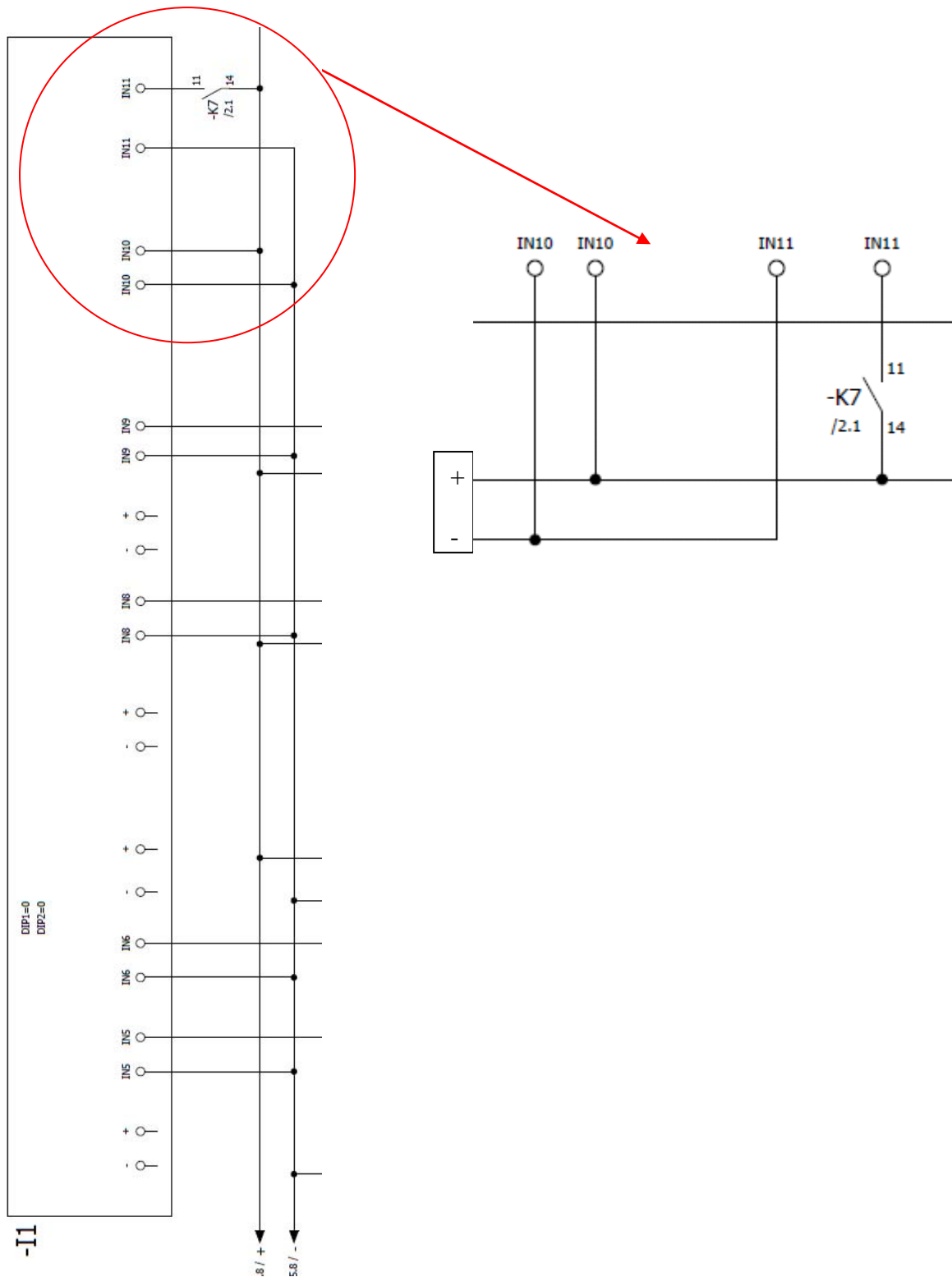
If a UPS is joined up in circuit, put the inlet connector for non-heating apparatus from –X103 into the UPS and the other 230VAC adapter cable to be connected between UPS and control system at –X103.

6. Is the door system **without** UPS, please proceed with the wiring as follows:

Übergang fester Anlagenteil
to fixed part

Schleifring
slip ring

power cable

Frequenzumrichter
frequency converter

−FU1

−X105

GN/YE

1	PE
2	L1
3	N1
	L1.5

−X103

230VAC

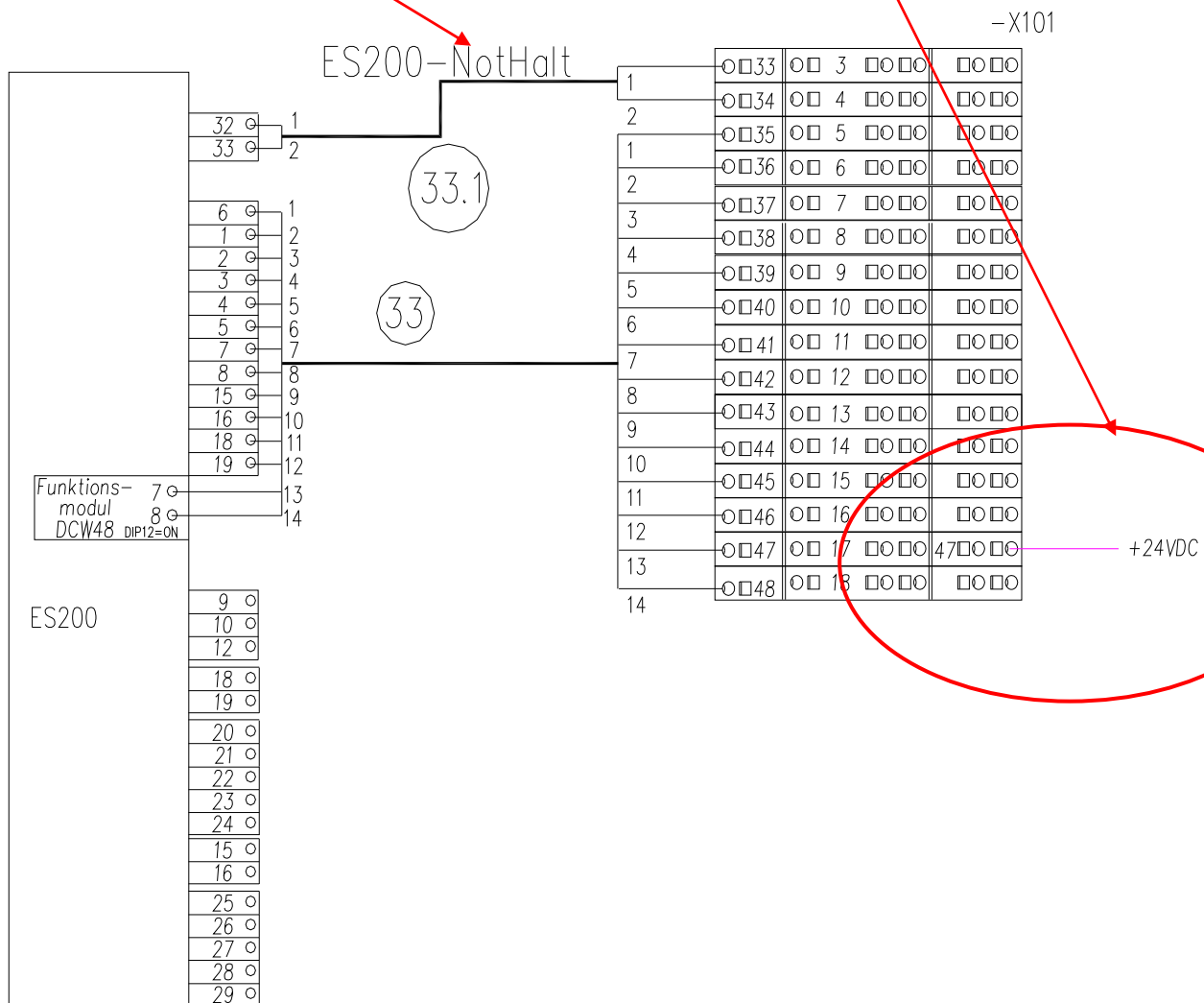7. Re-wire the inputs in the rotating part „I1" here IN10+11 as follows:

8. Adjust the crossover cable from the MS9 control system to ES200.

Connect the delivered 2-wire cable **„33.1 ES200-Not Halt"** with the terminals –
X101:33/34 and ES200:32/33. Remove bridge (ES200: 32-33) at ES200 beforehand.

New connection
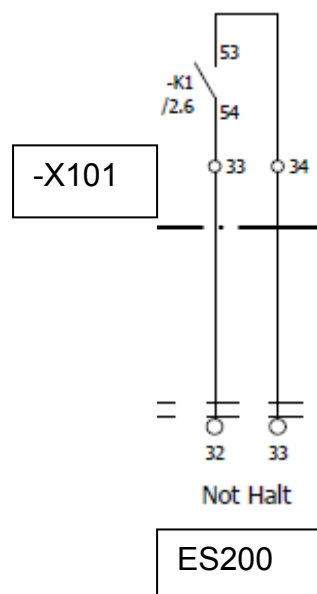
Terminal "47" is connected to +24VDC

9. Change of emergency-stop logic. The ES200 drive will be stopped by emergency-stop when activated.

The auxiliary contactor **N60-0460** must be put on „K1" contactor.

Normally open K1:53 and 54 to be connected to the terminals –X101:33 and 34 as follows:

If all changes are carried out, please put the door system back into operation as follows:

10. Initial operation of the door system

- The emergency-stop is activated
- The control system is switched on
- Program switch KT on Automatic 1
- The curved sliding door wings and the showcase doors are closed
- The frequency converter and the CPU are parameterized
- Door system is in summer position
- Push Select push button and keep it pushed for 4 sec
- Release emergency-stop
- Learning cycle starts

Indication of learning cycle and positioning drive
During the learning cycle and positioning drive the display shows a gyro.
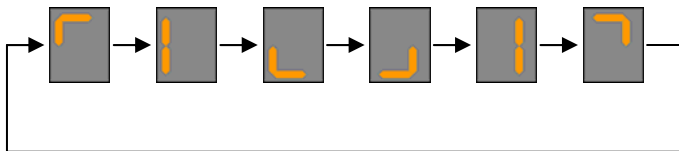
- Door system rotates in positioning speed
- The door system turns for min. 1 rotation
- Afterwards the door system restarts with its regular function
- Check all functions according to the original manual and/or the attached chart.

- Check if the control system has learned the correct diameter. Check via parameter .

11. Testing of changes

- Door systems with UPS: Revolving door has to rotate in program switch position Auto1 or Auto2 into summer position and stop there.
- Program switch position in „Summer" and the sliding door is in operation (test all program switch positions of the sliding door), sliding door must stop in case the emergency-stop is activated and remain in this position as long as this is activated.
- Check all revolving door functions again.

Done