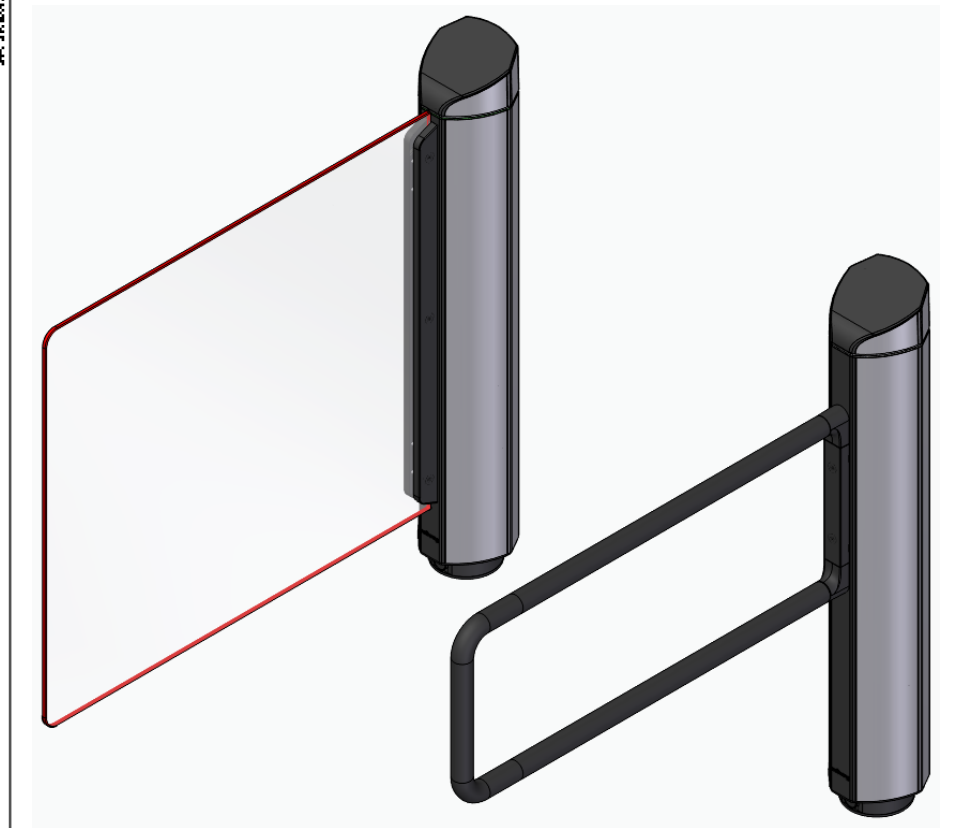


Document number

5527\_0020

Type

Wiring diagram mSwing with Options



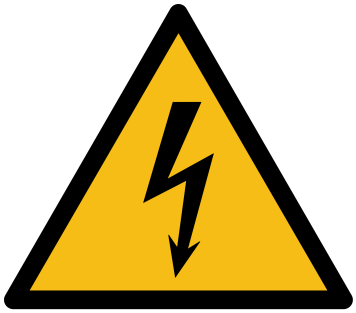
Number of pages 12

05	07.01.2021	TO	7E21502	Date of creation	11.11.2019
06	09.03.2021	TO	7E21545	Creator	TO
07	15.04.2021	OW	7E21545	Verifier	
Version	Date	Name	Modification project	Project no.	7K18507

=	++	& EAA
		Title page/cover sheet
5527_0020	+	Page 1
		of 12

# GENERAL SAFETY NOTES

## GENERAL SAFETY NOTES



**Only electricians must carry out work on the electrical system.**

**Non-observance of the safety instructions causes severe injuries or death.**

**Touching live parts can be lethal. Damaged insulation or damaged parts may be fatal.**

The following safety instructions must be observed:

- If the insulation or any parts are damaged, switch off the power supply at once and initiate repair.
- Switch off the power supply before conducting any work on the electrical system, secure against reactivation and check that no voltage is pending!
- Never bridge any fuses or deactivate them. Observe correct current indications when replacing them.
- Moisture and dust must be kept away from live parts, ingressing moisture or dust may lead to short circuit.
- If the electrical connection is established at precipitation, e.g. rain or snow, penetration of moisture must be prevented by suitable measures, such as a protective cover.
- Electrical protective devices that are required according to nationally applicable provisions, such as residual-current device (RCD) / ground fault circuit interrupter (GFCI), must be provided and installed on site.
- All doors and covers must be kept closed during operation of the system.
- All instructions, warning and safety notes on the operating instructions for the system must be observed.
- All instructions, warning and safety notes on the integrated and attached accessories must be observed.
- If lightning strikes the system, there is danger to life when touching any components and when staying in the direct proximity.

05	07.01.2021	TO	7E21502	Date of creation	11.11.2019	5527_0020 mSwing mit Optionen		safety instructions	=	++	& EAA
06	09.03.2021	TO	7E21545	Creator	TO						Title page/cover sheet
07	15.04.2021	OW	7E21545	Verifier					5527_0020	+	Page 2
Version	Date	Name	Modification project	Project no.	7K18507				of	12	

# table of contents

Assignment	Page	Page description	Date	Edited by
	1	title page	15.04.2021	OW
	2	safety instructions	15.04.2021	OW
	1	Table of contents	15.04.2021	OW
	1	Structure identifier	15.04.2021	OW
	6	System Overview	15.04.2021	OW
	7	schematic diagram	15.04.2021	OW
<b>+STD ,Standard</b>				
	8	mains supply + Locking	15.04.2021	OW
	9	controller	15.04.2021	OW
	10	options	15.04.2021	OW
<b>+MEB100 ,Erweiterungsplatine</b>				
			15.04.2021	OW
			15.04.2021	OW
	2	Parts list	15.04.2021	OW

05	07.01.2021	TO	7E21502	Date of creation	11.11.2019
06	09.03.2021	TO	7E21545	Creator	TO
07	15.04.2021	OW	7E21545	Verifier	
Version	Date	Name	Modification project	Project no.	7K18507

=	++	& EAB
		Table of contents
5527_0020	+	Page 3
		of 12

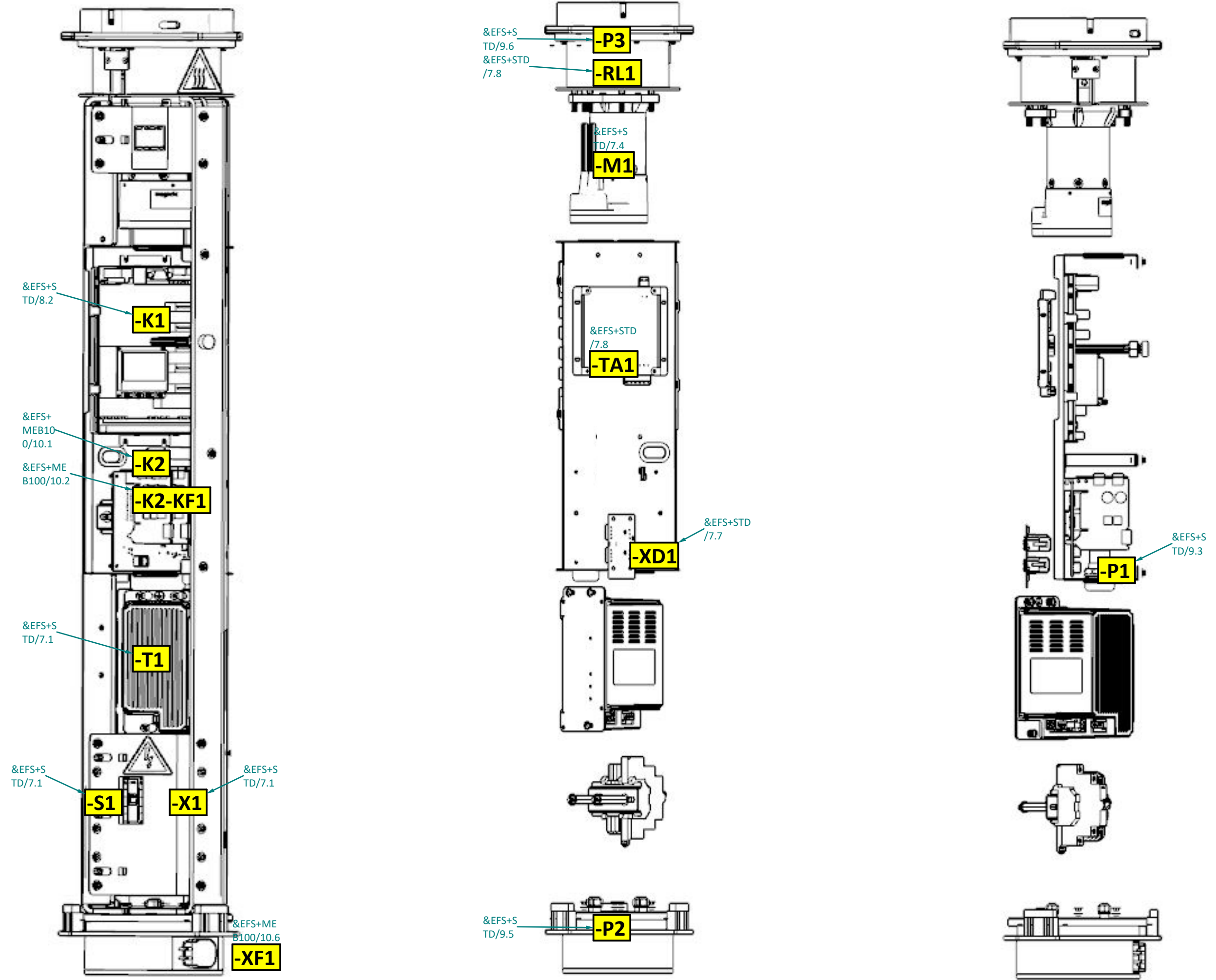
## Structure identifier overview

Structure identifier	Labeling	Structure description
=A1	Higher-level function	supply
=B1	Higher-level function	control
=C1	Higher-level function	drive
=D1	Higher-level function	light
=E1	Higher-level function	lock
=F1	Higher-level function	monitor
=G1	Higher-level function	capture
=H1	Higher-level function	communicate
=I1	Higher-level function	Inform / visualize

&EAA	document type	Title page/cover sheet
&EAB	document type	Table of contents
&EDB	document type	Structure identifier
&ETL	document type	Overview / Layout
&EFA	document type	Schematic diagram
&EFS	document type	Schematic
&EPA	document type	Parts list
&EMA1	document type	Terminal line-up diagram
&EMA2	document type	Connection list
&EMB	document type	Cable diagram

+STD	Mounting location	Default
+VERHXX1	Mounting location	Locking vandalism
+BOLED103	Mounting location	Floor lighting
+RLED103	Mounting location	Cover light
+ESU01	Mounting location	Acoustic signaler
+MEB100	Mounting location	Extension board
+NOT100_NOT103	Mounting location	Emergency stop switch

05	07.01.2021	TO	7E21502	Date of creation	11.11.2019	5527_0020 mSwing mit Option		Structure identifier	=	++	& EDB
06	09.03.2021	TO	7E21545	Creator	TO						Structure identifier
07	15.04.2021	OW	7E21545	Verifier							Page 4
Version	Date	Name	Modification project	Project no.	7K18507						5527_0020



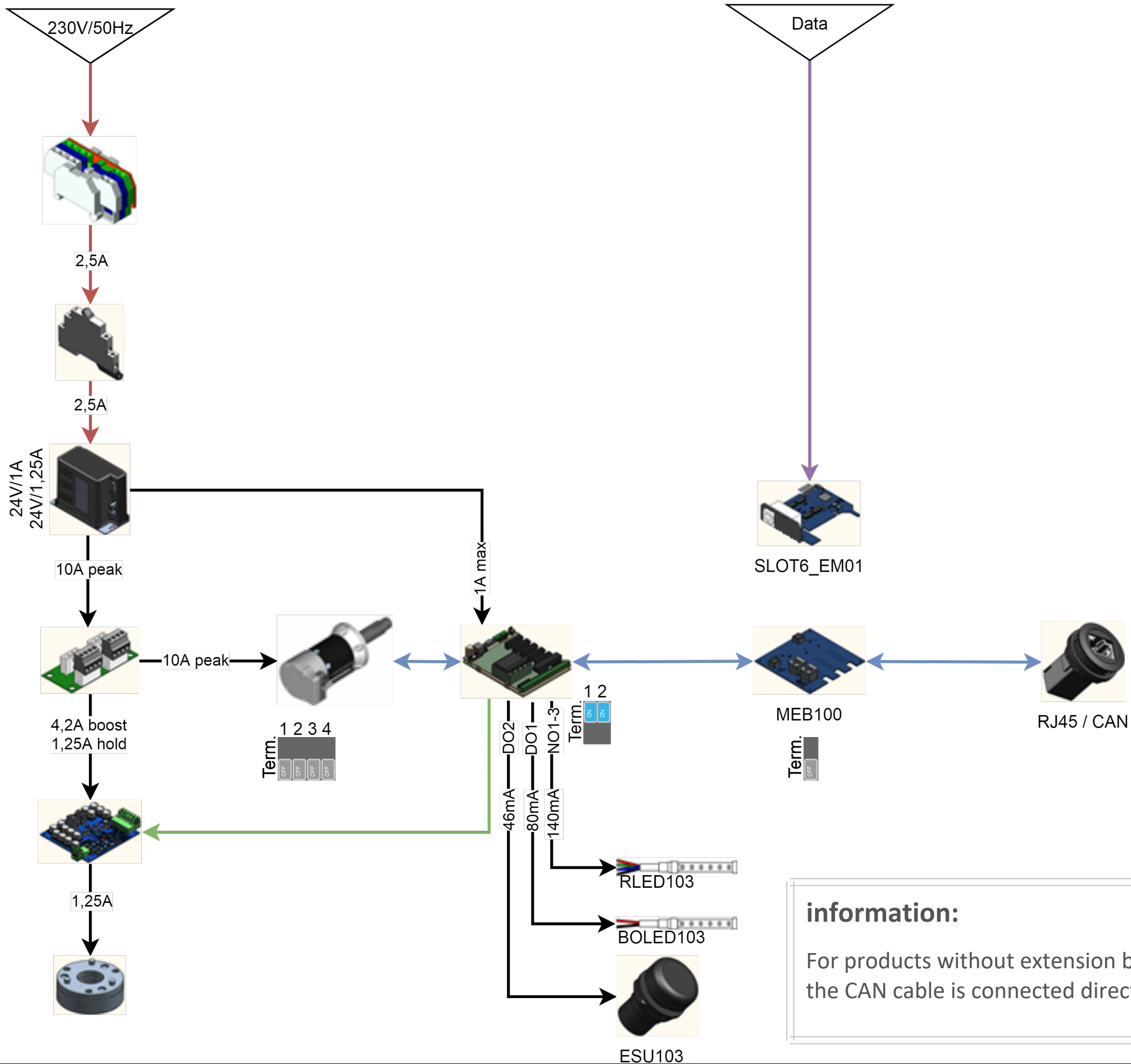
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06	09.03.2021	TO	7E21545	Creator	TO
07	15.04.2021	OW	7E21545	Verifier	
Version	Date	Name	Modification project	Project no.	7K18507

5527\_0020 mSwing mit Option



System Overview

=	++	& ETL
		Overview / Layout
5527_0020	+	Page 5
		of 12



05	07.01.2021	TO	7E21502	Date of creation	11.11.2019
06	09.03.2021	TO	7E21545	Creator	TO
07	15.04.2021	OW	7E21545	Verifier	
Version	Date	Name	Modification project	Project no.	7K18507

5527\_0020 mSwing mit Option

**TURNSTILES.us**

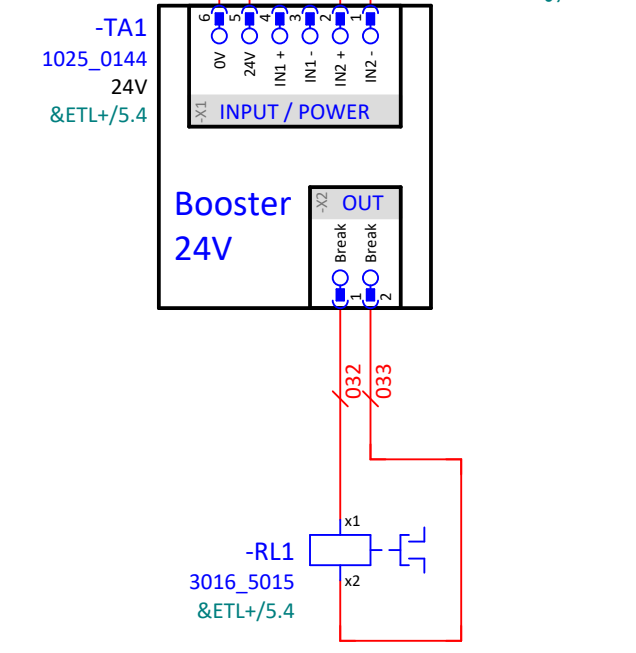
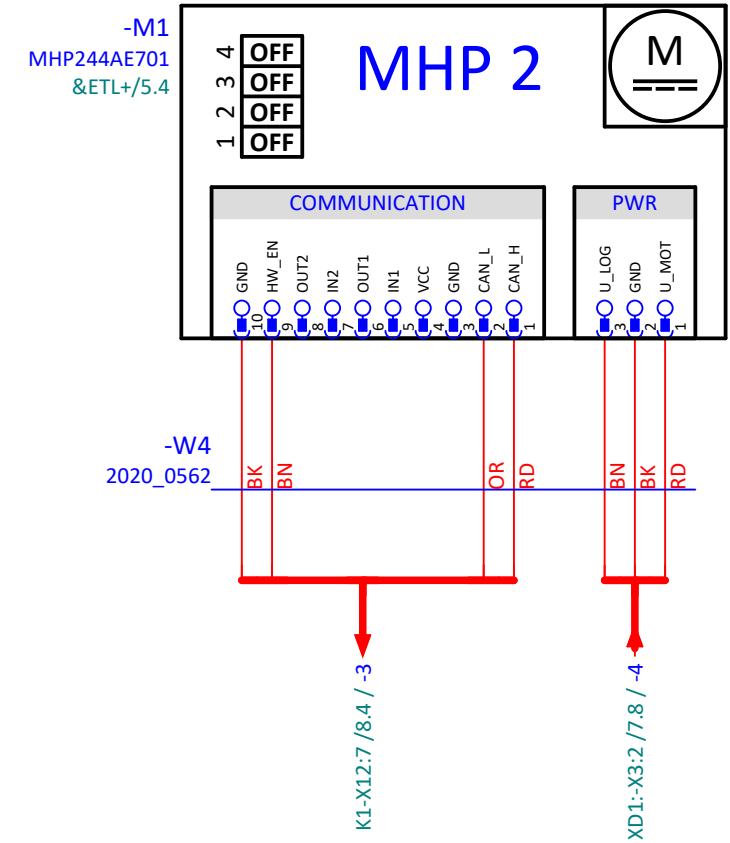
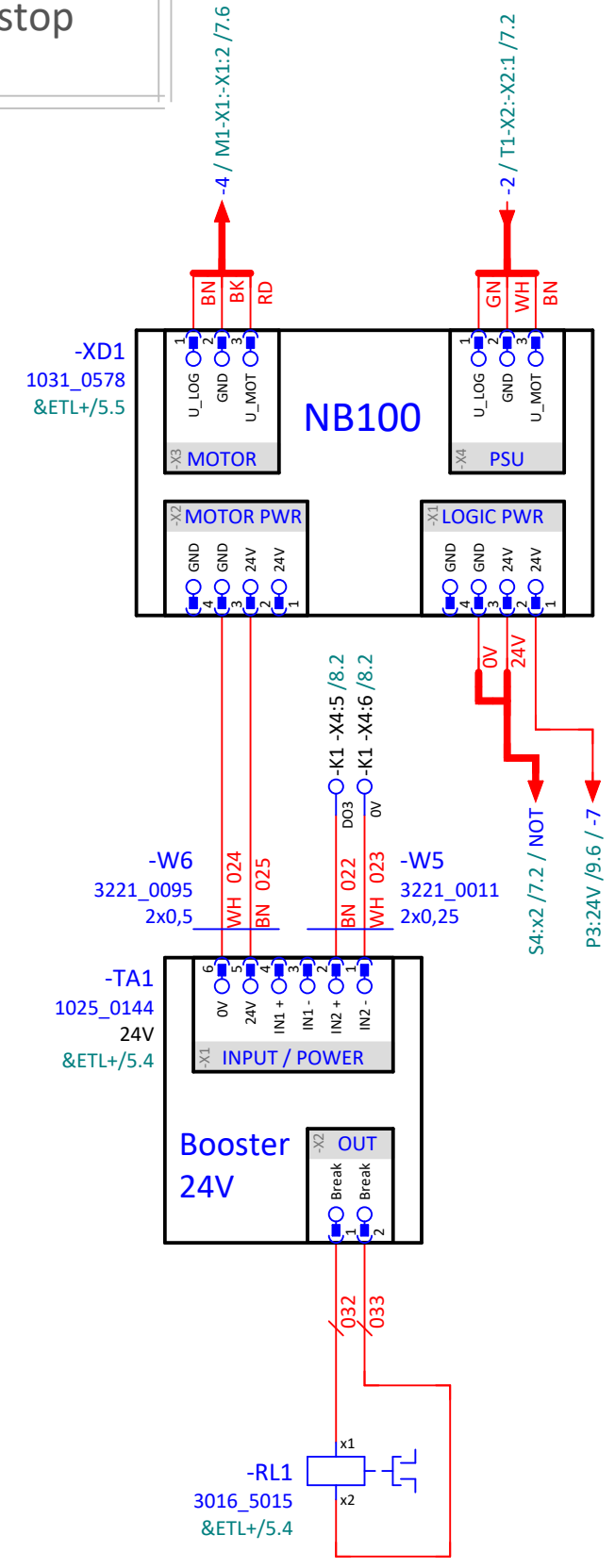
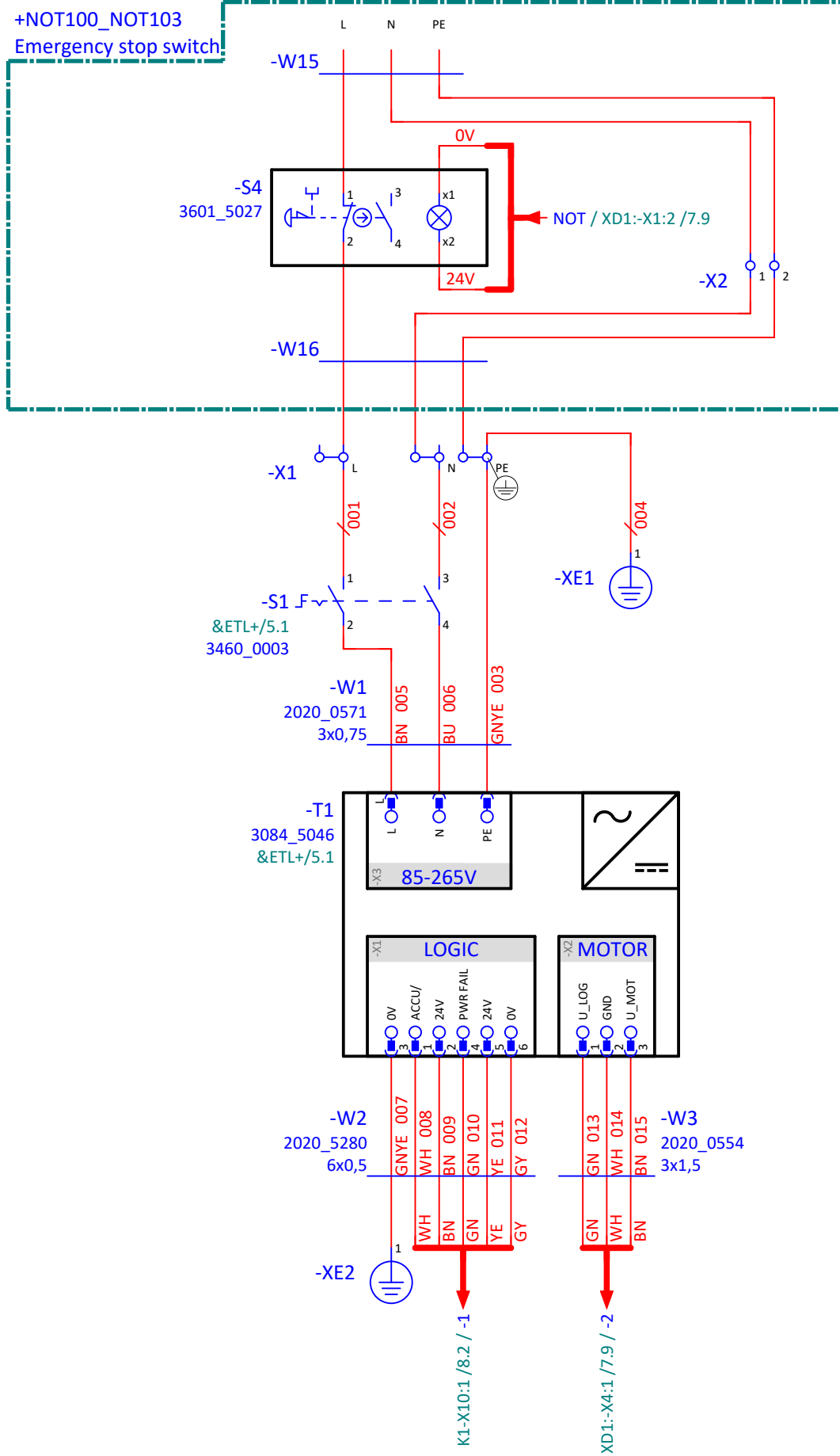
schematic diagram

=	++	& EFA
		Schematic diagram
5527_0020	+	Page 6
		of 12

mains supply

Information NOT100 + NOT103:

Connection cables as well as the connection of the emergency stop switch must be provided and carried out by the customer.



05	07.01.2021	TO	7E21502	Date of creation	11.11.2019
06	09.03.2021	TO	7E21545	Creator	TO
07	15.04.2021	OW	7E21545	Verifier	
Version	Date	Name	Modification project	Project no.	7K18507

5527\_0020 mSwing mit Option

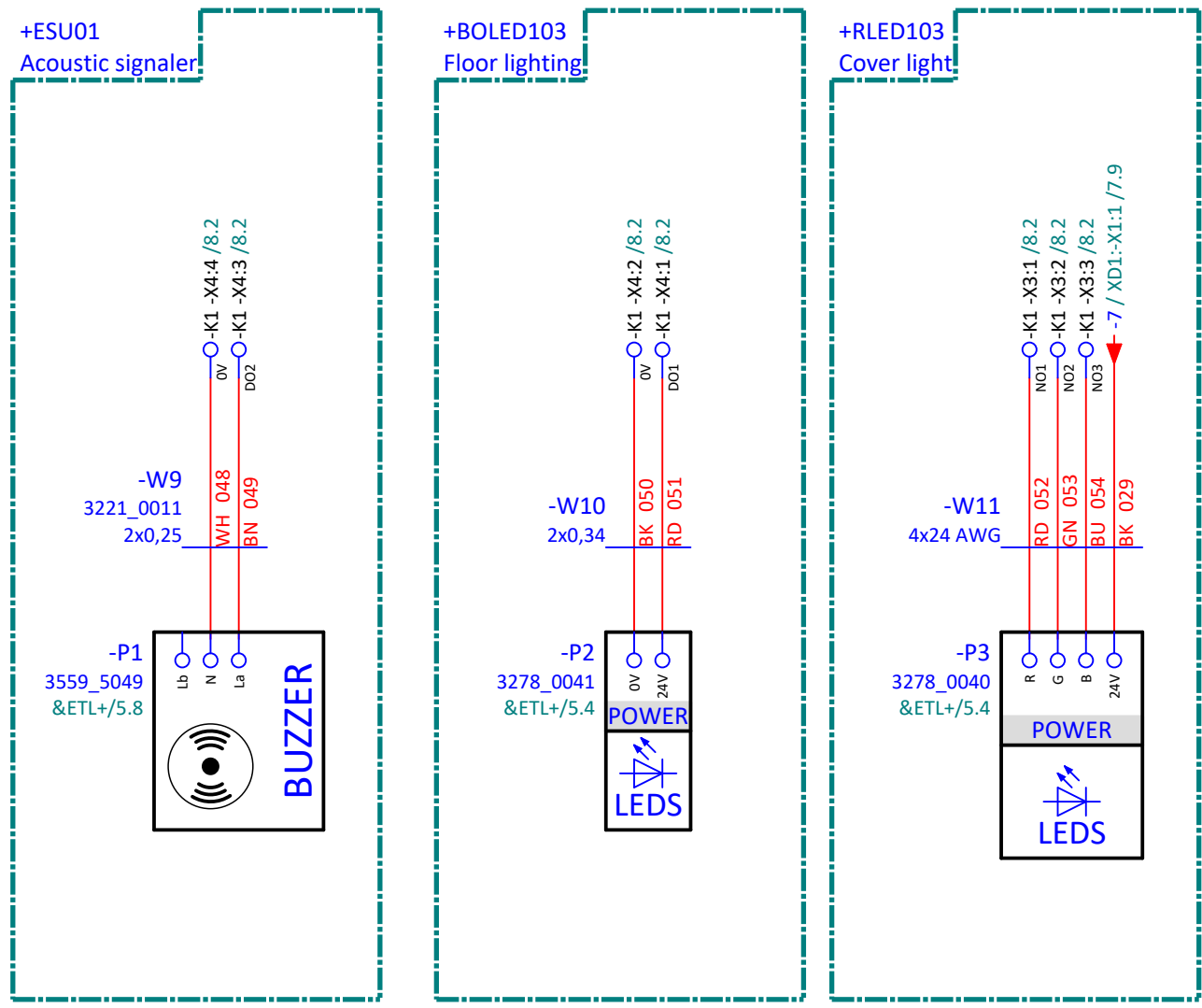


mains supply + Locking

=		& EFS
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5527_0020	+ STD	Page 7
	Default	of

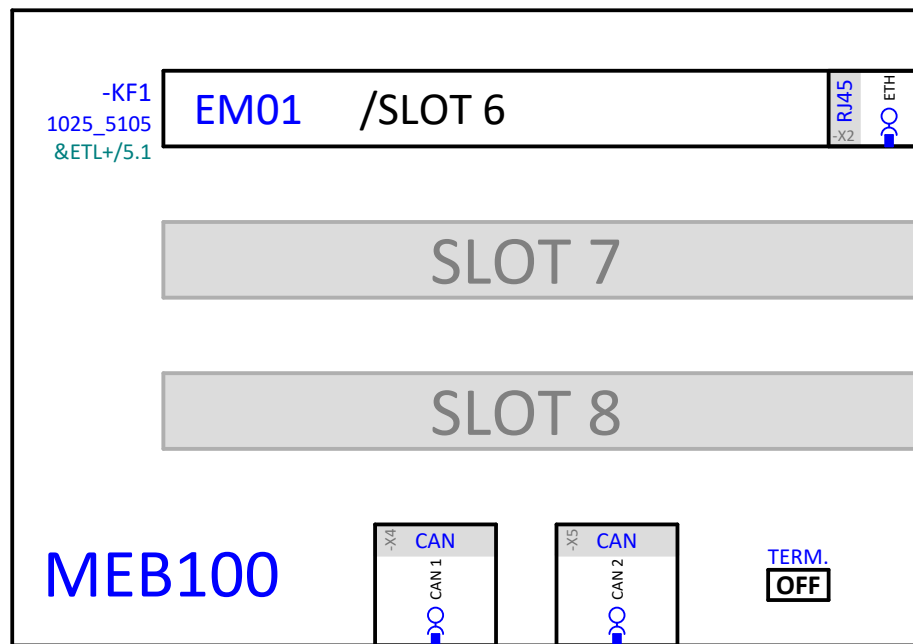




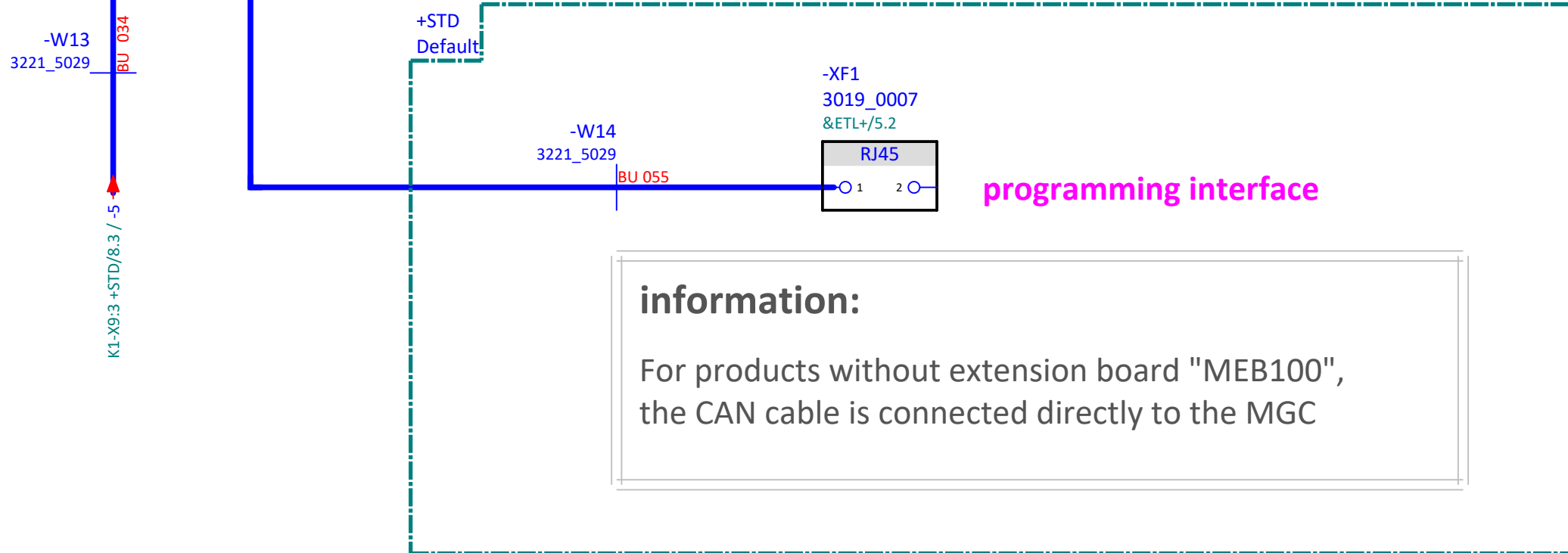


05	07.01.2021	TO	7E21502	Date of creation	11.11.2019	5527_0020 mSwing mit Option		options	=	++	& EFS	
06	09.03.2021	TO	7E21545	Creator	TO						Schematic	
07	15.04.2021	OW	7E21545	Verifier							Page	9
Version	Date	Name	Modification project	Project no.	7K18507						5527_0020	+ STD Default

-K2  
1025\_0094  
&ETL+/5.1



customer connection  
ETHERNET Communication



**information:**

For products without extension board "MEB100", the CAN cable is connected directly to the MGC

05	07.01.2021	TO	7E21502	Date of creation	11.11.2019	5527_0020 mSwing mit Option	TURNSTILES.us	options	=	++	& EFS
06	09.03.2021	TO	7E21545	Creator	TO						Schematic
07	15.04.2021	OW	7E21545	Verifier							Page 10
Version	Date	Name	Modification project	Project no.	7K18507						5527_0020

# Summarized parts list

Part number	Quantity	Designation	Device tag
<b>+STD / +Standard</b>			
MGCA100000	1	MGC-A-100-0000	-K1
MHP244AE701	1	MHP-244A-E701	-M1
3016_5015	1	Coupling 90-51 / magnetic clutch + Armature	-RL1
3460_0003	1	ABB Breaker 2-pole 400V 16A	-S1
3084_5046	1	power supply unit Inpotron 24V, 10A+1A	-T1
1025_0144	1	break booster 24V Variant 3 (MBO-24-03)	-TA1
2020_0571	1	connection cable power supply mSwing	-W1
2020_5280	1	Cable 24V to MGC	-W2
2020_0554	1	Power supply cable 3x1,5mm <sup>2</sup> male / male	-W3
2020_0562	1	Cable MHP2 to MGC and PSU / UL	-W4
3221_0011	1	Data- and computer cables TRONIC 2x0,25 mm <sup>2</sup> GY	-W5
3221_0095	1	Data- and computer cables TRONIC 2x0,5 mm <sup>2</sup> GY	-W6
3221_5029	1	patch cable 1 m	-W14
3219_0084	1	3-conductor terminal grey	-X1
3219_0088	2	end clamp	-X1
3219_0085	1	3-conductor terminal blue	-X1
3219_0083	1	3-wire grounded conductor terminal	-X1
3219_0086	1	End plate 3-pole; orange	-X1
1031_0578	1	power supply unit distribution board (NB100)	-XD1
3019_0007	1	Harting panel-mount socket CAT6	-XF1

<b>+BOLED103 / +Bodenbeleuchtung</b>			
3278_0041	1	Floor lighting round, WH (BOLED103)	-P2
	1	Cable 2xAWG22; AWM 2464 VW-1; 80°C; 300V / Cable solid on	-W10

<b>+RLED103 / +Haubenbeleuchtung</b>			
3278_0040	1	Cover light, RGB (RLED103)	-P3

05	07.01.2021	TO	7E21502	Date of creation	11.11.2019	5527_0020 mSwing mit Option		Parts list	=	++	& EPA
06	09.03.2021	TO	7E21545	Creator	TO						Parts list
07	15.04.2021	OW	7E21545	Verifier							Page 11
Version	Date	Name	Modification project	Project no.	7K18507						of 12

## Summarized parts list

Part number	Quantity	Designation	Device tag
<b>+RLED103 / +Haubenbeleuchtung</b>			
	1	Cable 4xAWG24; AWM 2464 VW-1; 80°C; 300V / Cable solid on illumination strip	-W11
<b>+ESU01 / +Akustischer Signalgeber</b>			
3559_5049	1	Panel mount buzzer 80dB	-P1
3221_0011	1	Data- and computer cables TRONIC 2x0,25 mm² GY	-W9
<b>+MEB100 / +Erweiterungsplatine</b>			
1025_0094	1	MGC Extension board / MEB100	-K2
1025_5105	1	Ethernet interface module / EM01	-K2-KF1
3221_5029	1	patch cable 1 m	-W13
<b>+NOT100_NOT103 / +Not-Aus-Schalter</b>			
3601_5027	1	Emergency stop switch NC + NO + lighting	-S4
	0		-W15;-W16;-X2

05	07.01.2021	TO	7E21502	Date of creation	11.11.2019	5527_0020 mSwing mit Option		Parts list	=	++	& EPA
06	09.03.2021	TO	7E21545	Creator	TO						Parts list
07	15.04.2021	OW	7E21545	Verifier							Page 12
Version	Date	Name	Modification project	Project no.	7K18507						of