



Welbilt Deutschland GmbH

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Technical Data

Model	Rated voltage	Frequency	consumption	Rated current
Cmn 10.10 pro	208V / 240V	60Hz	8,3kW / 11,0kW	23,2A / 26,5A

articlenumber circuit diagram 5336500-10044_00
articlenumber device

Created on 15.04.2025 CONVOTHERM®
Edit date 28.05.2025 by (short name) ALTENDORF.A

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=PLC +WC1 Combi oven Control Wiring compartment							
Electrical engineering Functional overview documents	&EFA	1	Overview Main board complete	ALTENDORF.A	ALTENDORF.A		28.05.2025
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=SU1 +MT1 Combi oven Power supply Mounting panel							
Electrical engineering Circuit documents	&EFS	1	Power supply	ALTENDORF.A	ALTENDORF.A		28.05.2025
Electrical engineering Circuit documents	&EFS	2	Power supply	ALTENDORF.A	ALTENDORF.A		28.05.2025
=CV1 +WC1 Combi oven Convection system 1 Wiring compartment							
Electrical engineering Circuit documents	&EFS	1	Hot air Generation 1	ALTENDORF.A	ALTENDORF.A		28.05.2025
=IJ1 +WC1 Combi oven Water injection Wiring compartment							
Electrical engineering Circuit documents	&EFS	1	Sprayer	ALTENDORF.A	ALTENDORF.A		28.05.2025
Electrical engineering Circuit documents	&EFS	2	Sprayer	ALTENDORF.A	ALTENDORF.A		28.05.2025
=MOT +MT1 Combi oven Oven fan Mounting panel							
Electrical engineering Circuit documents	&EFS	1	Motor	ALTENDORF.A	ALTENDORF.A		28.05.2025
=COL +WC1 Combi oven Condenser box Wiring compartment							
Electrical engineering Circuit documents	&EFS	1	Condenser box	ALTENDORF.A	ALTENDORF.A		28.05.2025
=CL1 +WC1 Combi oven Cleaning 1 (Solid to Liquid) Wiring compartment							
Electrical engineering Circuit documents	&EFS	1	Cleaning	ALTENDORF.A	ALTENDORF.A		28.05.2025
=LGT +CC1 Combi oven Oven light Oven cavity							
Electrical engineering Circuit documents	&EFS	1	Lamp	ALTENDORF.A	ALTENDORF.A		28.05.2025

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=CT1 +CC1 Combi oven Core temperature probe Oven cavity							
Electrical engineering Circuit documents	&EFS	1	Sensor (Option)	ALTENDORF.A	ALTENDORF.A		28.05.2025
=COO +WC1 Combi oven Cooling Wiring compartment							
Electrical engineering Circuit documents	&EFS	1	Function	ALTENDORF.A	ALTENDORF.A		28.05.2025
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=HMI +MT1 Combi oven HMI Mounting panel							
Electrical engineering Circuit documents	&EFS	1	Control panel	ALTENDORF.A	ALTENDORF.A		28.05.2025
Electrical engineering Circuit documents	&EFS	2	Control panel	ALTENDORF.A	ALTENDORF.A		28.05.2025
=CS1 +WC1 Combi oven ConvoSense Wiring compartment							
Electrical engineering Circuit documents	&EFS	1	ConvoSense	ALTENDORF.A	ALTENDORF.A		28.05.2025
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Example

Description
Standards
EPLAN
Nesting

==CS1

Combi oven
Functional assignment
Functional assignment
No

=CV1

Hot air 1
Functional aspect
Function designation
No

==CS1 Combi oven

=PLC Control
=SU1 Power supply
=CV1 Convection system 1
=IJ1 Water injection
=MOT Oven fan
=COL Condenser box
=CL1 Cleaning 1 (Solid to Liquid)
=LGT Oven light
=CT1 Core temperature probe
=COO Cooling
=HMI HMI
=CS1 ConvoSense

Example

+MT1

Description
Standards
EPLAN
Nesting

Mixer 1
City
Installation site
No

- +EXT

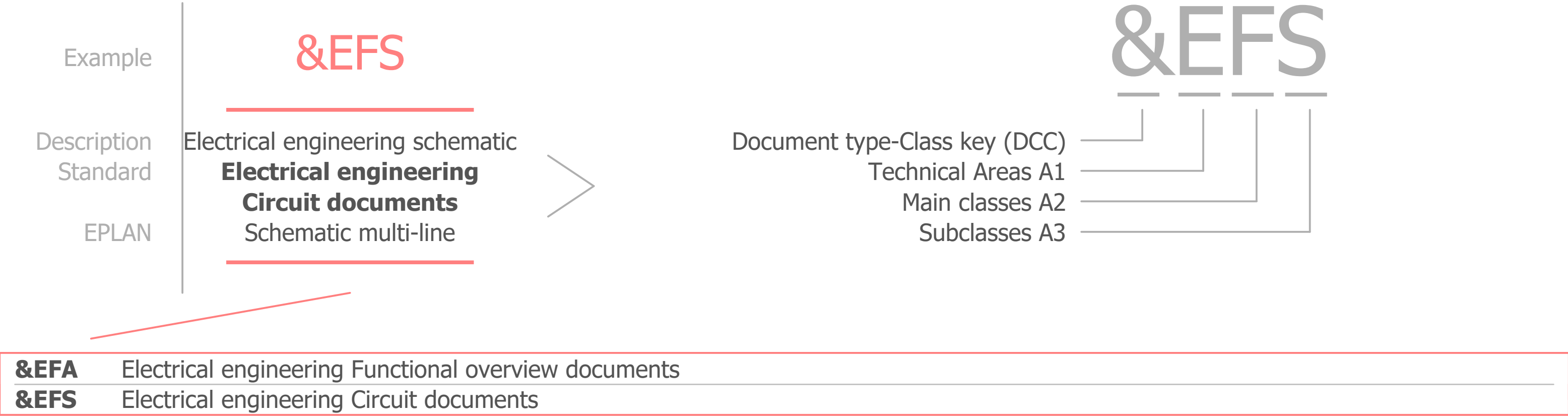
External Installation site
- +MT1

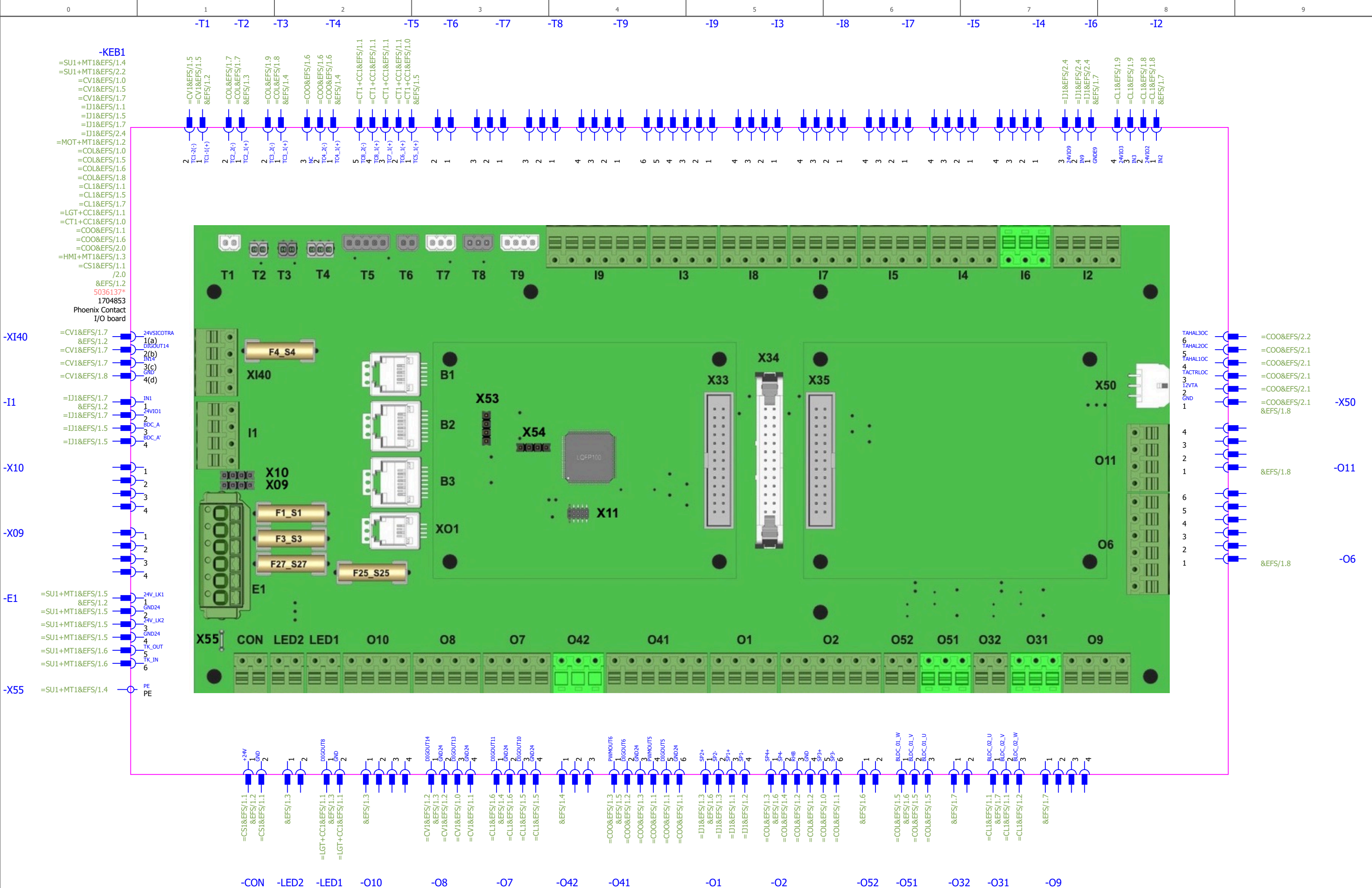
Mounting panel
- +WC1

Wiring compartment
- +CC1

Oven cavity
- +DO1

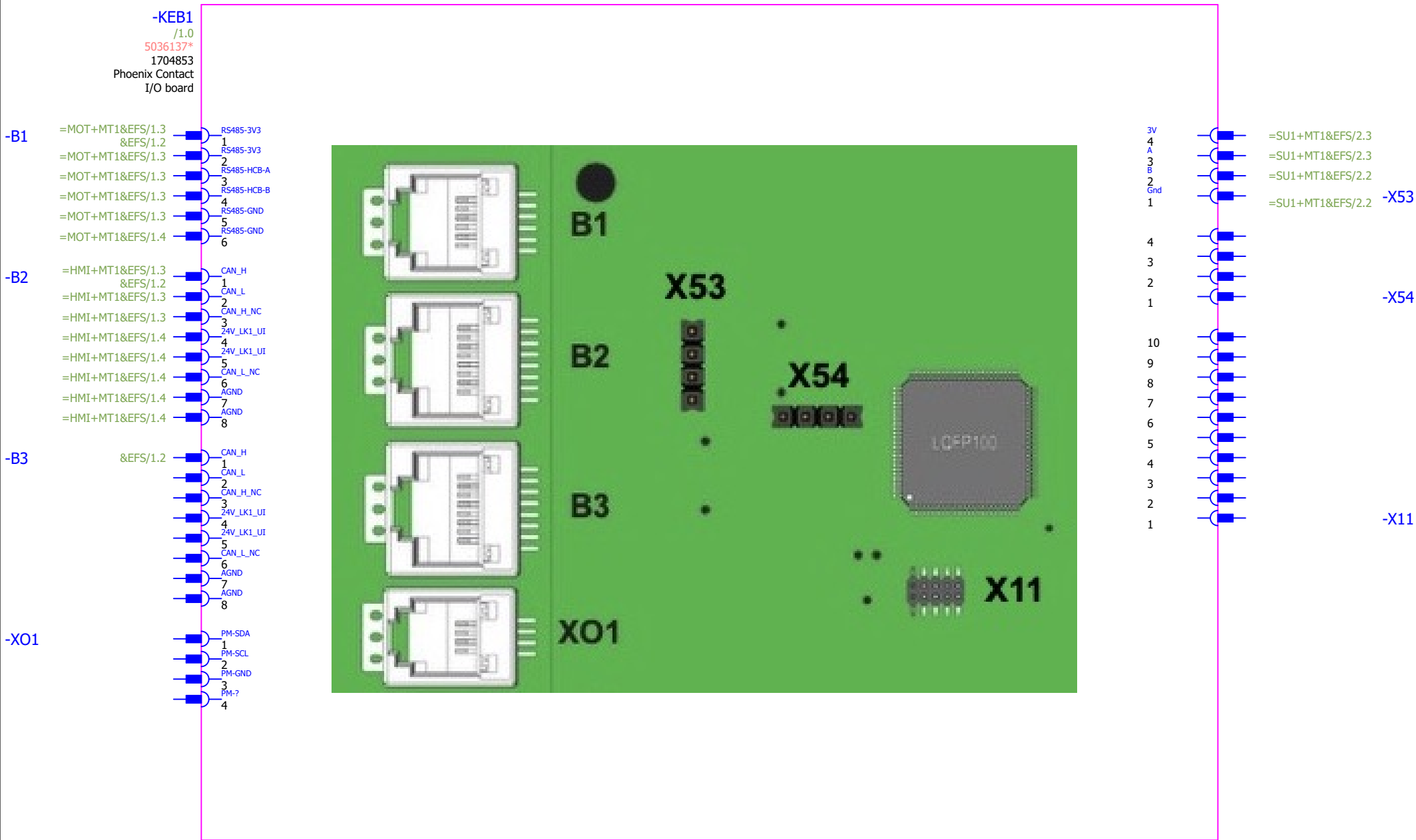
Unit door

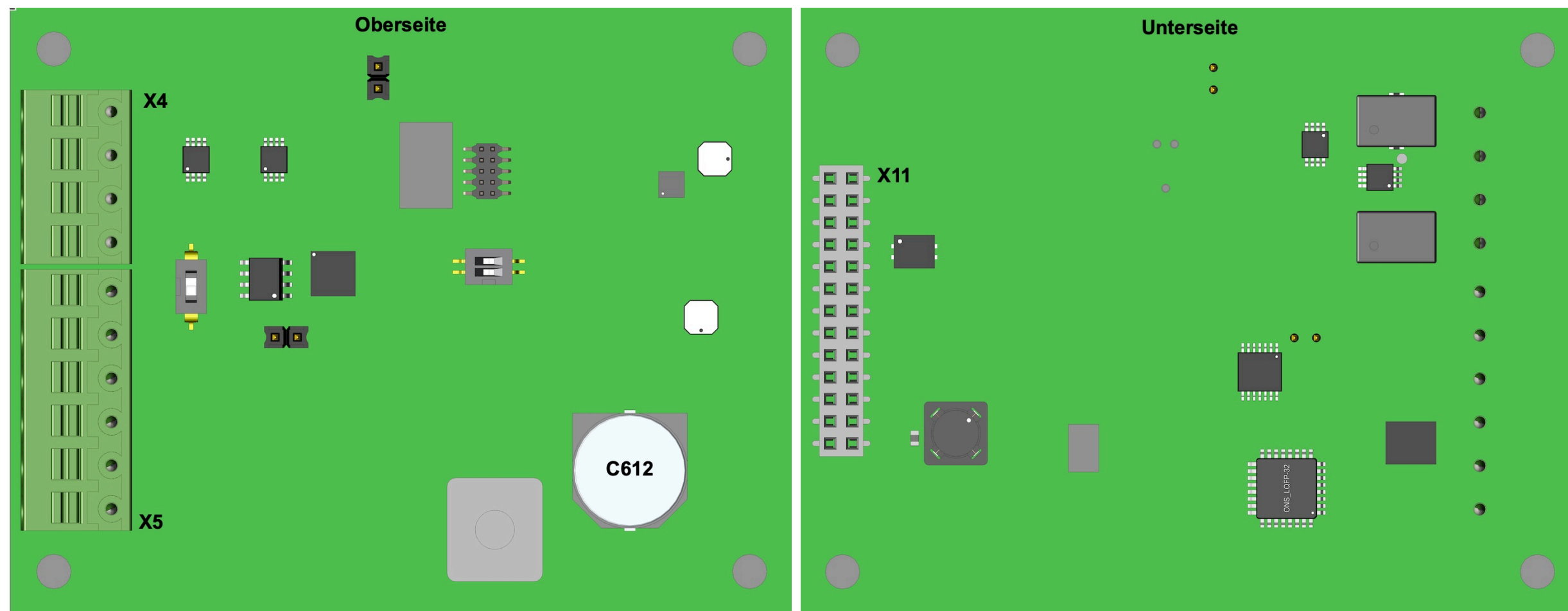
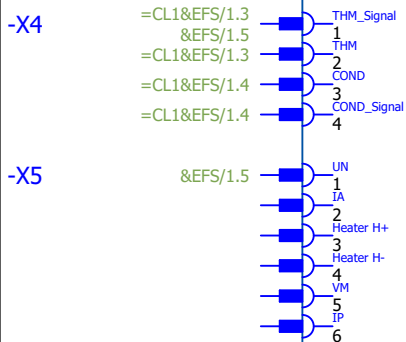




* further articles see Bill of materials

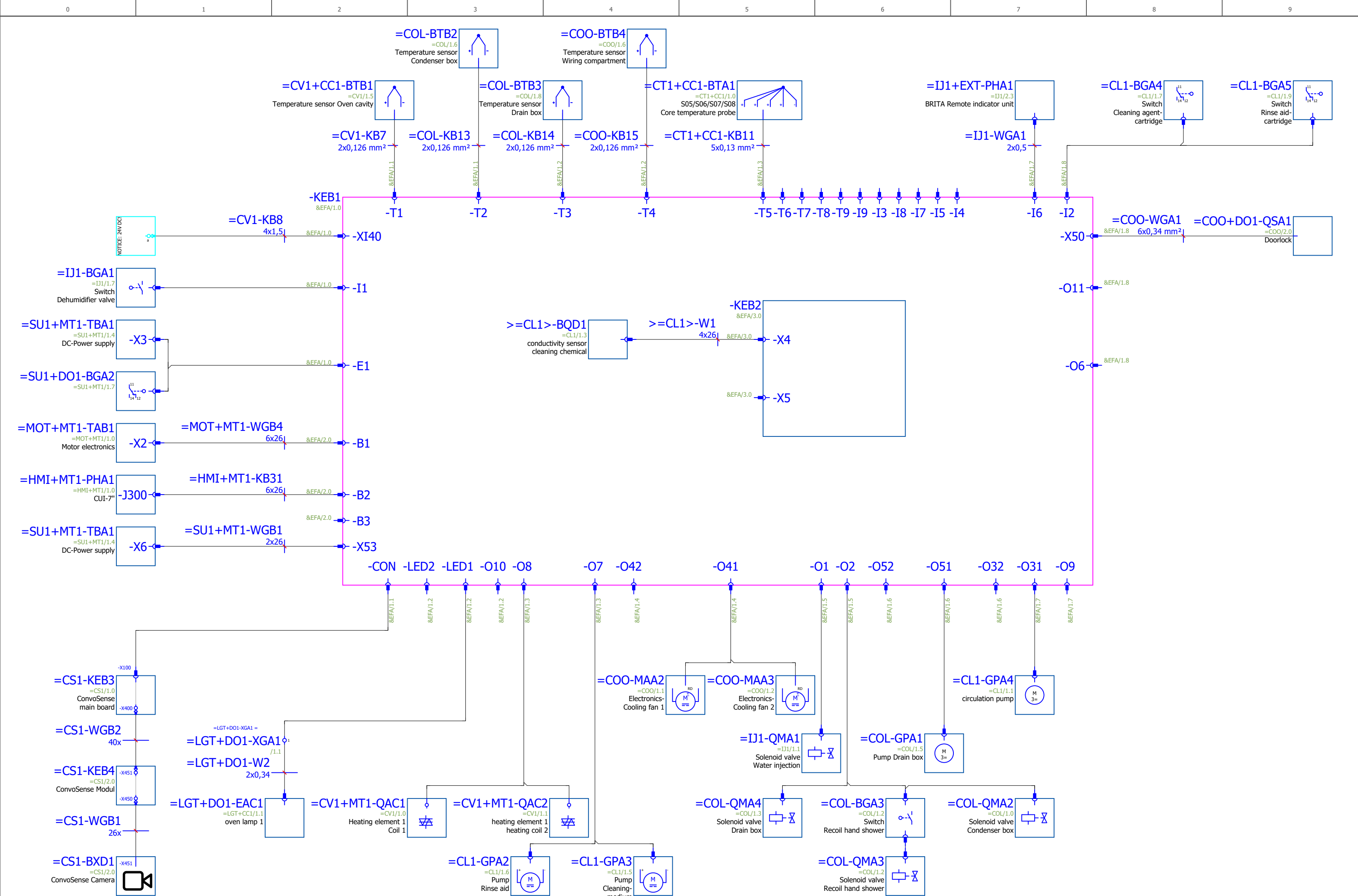
			Date 28.05.2025	Observe protection notices in accordance with ISO 16016	= Control Overview Main board complete	articlenumber circuit diagram		Combi oven		= CS1	PLC
			Ed. ALTENDORF.A			5336500-10044_00		Control		= PLC	
			Appr STENZEL.K					Wiring compartment		+ WC1	
Modification	Date	Name	Original			Project description		Electrical engineering Functional overview documents		& EFA 1 =	



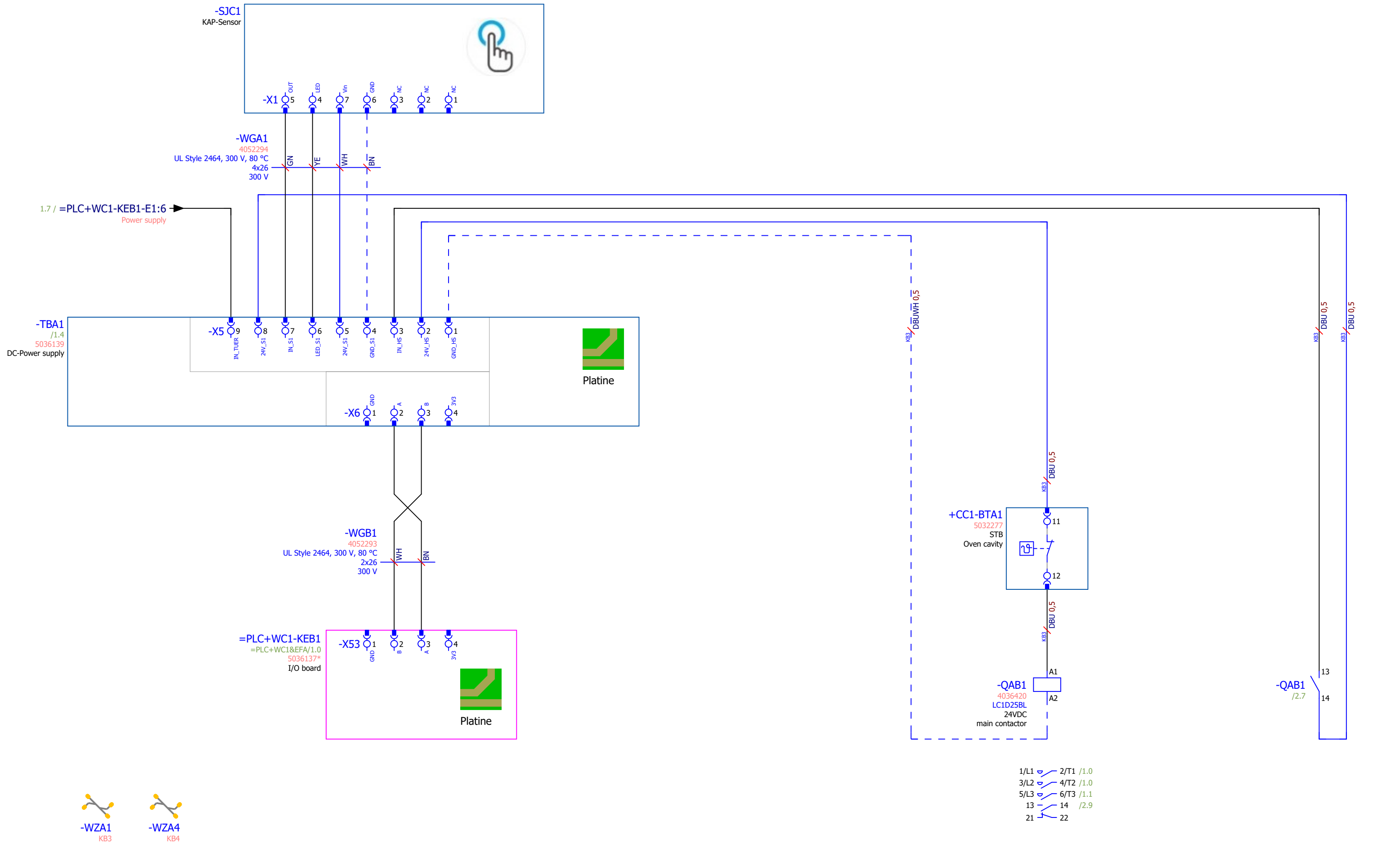


* further articles see Bill of materials

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		Ed.	ALTENDORF,A				Control		= PLC	
		Appr	STENZEL,K				Wiring compartment		+ WC1	
Modification	Date	Name	Original				Electrical engineering Functional overview documents		& EFA 3	
						artikelnr device	Project description			
							17.0	E		

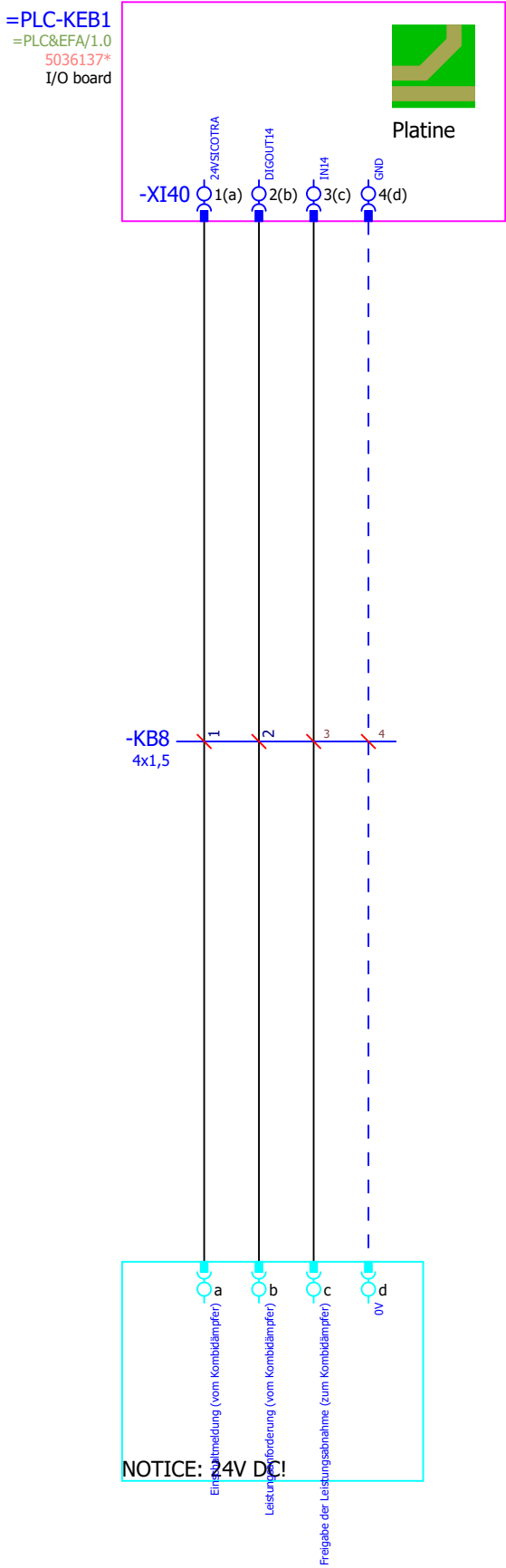
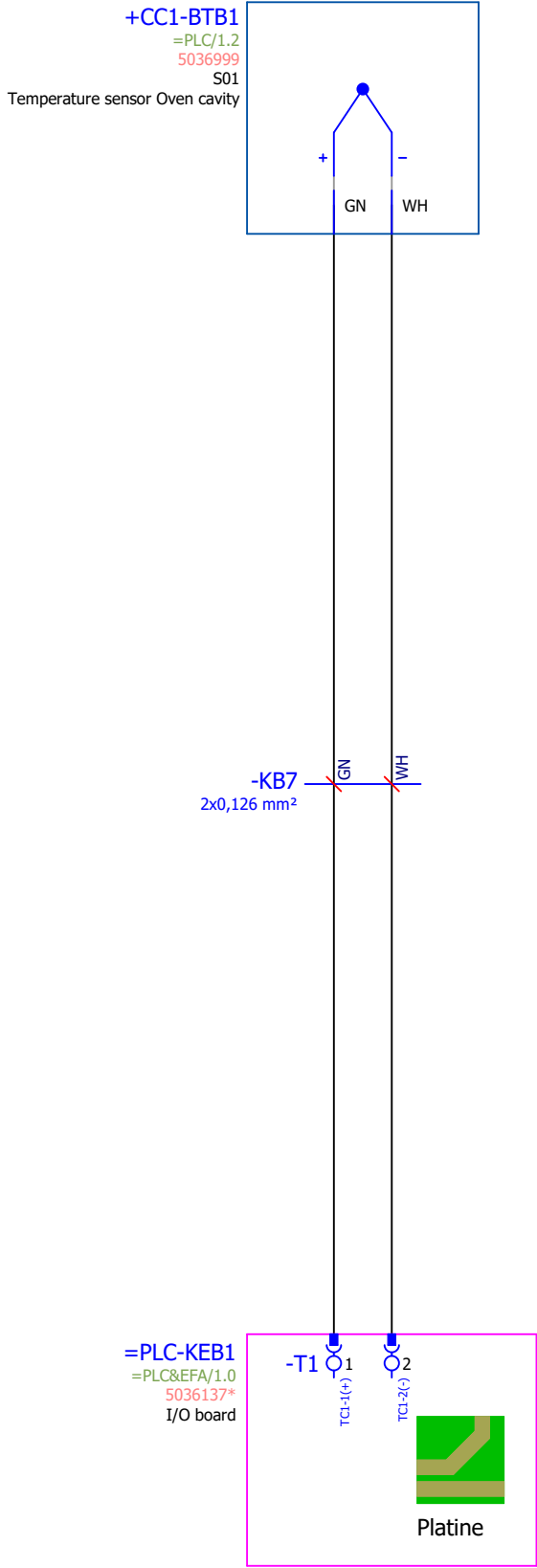
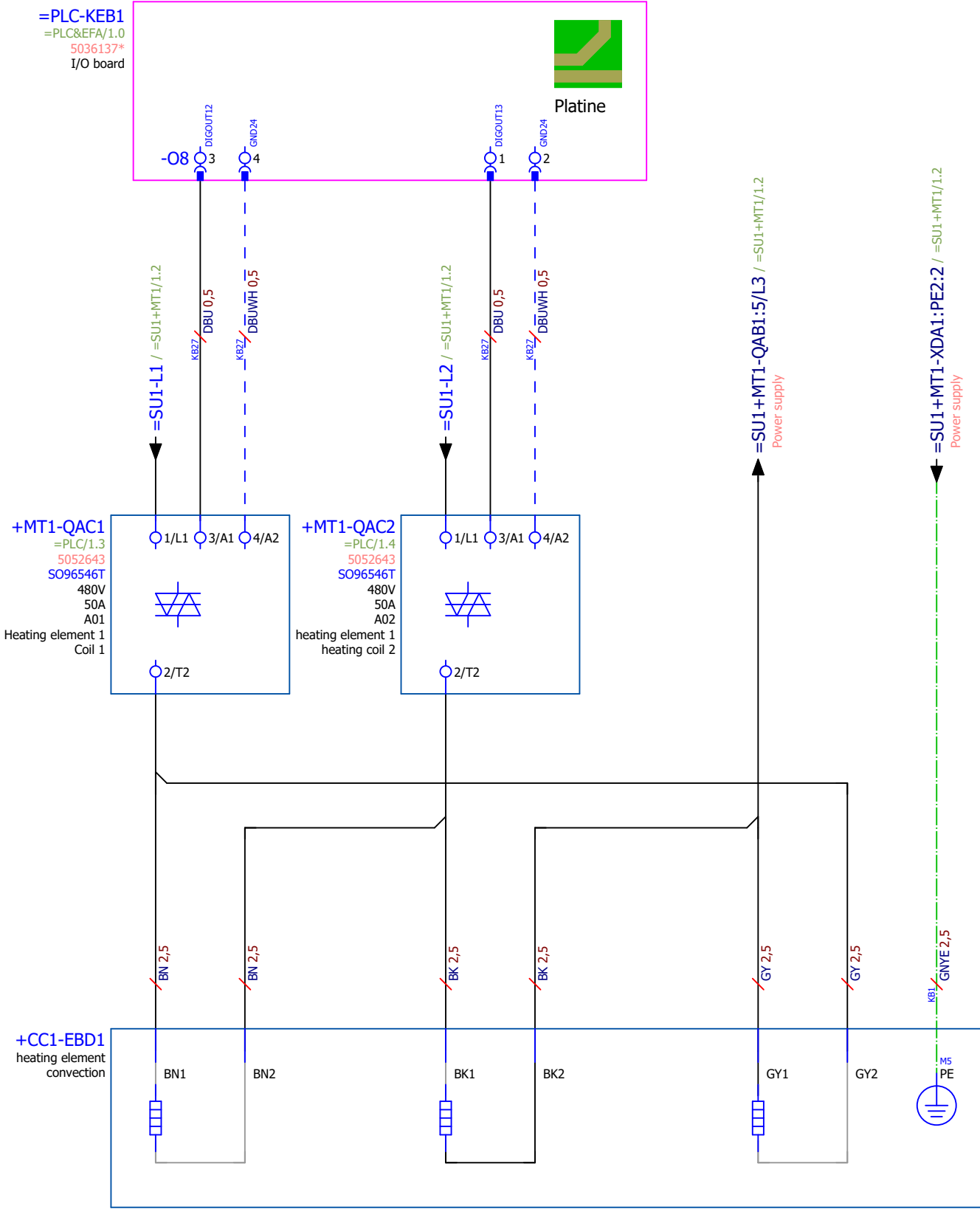


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			Ed.	ALTENDORF.A			5336500-10044_00		Control		=	PLC			
			Appr	STENZEL.K			articlenumber device		Project description		Wiring compartment			+	WC1
Modification	Date	Name	Original				17.0		E	Electrical engineering Circuit documents		&		EFS 1	=



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			Date28.05.2025	Observe protection notices in accordance with ISO 16016	= Power supply Power supply	articlenumber circuit diagram 5336500-10044_00	Project description 17.0	Combi oven	= CS1	SU1
			Ed. ALTENDORF.A					Power supply	= SU1	
			Appr STENZEL.K					Mounting panel	+ MT1	
Modification	Date	Name	Original			articlenumber device		Electrical engineering Circuit documents	& EFS	2



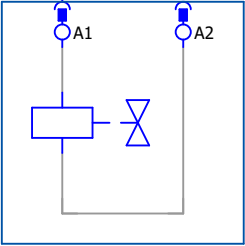
External Power optimization system after DIN18875

			Date28.05.2025	Observe protection notices in accordance with ISO 16016	= Convection system 1 Hot air Generation 1	articlenumber circuit diagram	Project description	Combi oven	= CS1	CV1
			Ed. ALTENDORF.A			5336500-10044_00		Convection system 1	= CV1	
			Appr STENZEL.K			articlenumber device		Wiring compartment	+ WC1	
Modification	Date	Name	Original				17.0	Electrical engineering Circuit documents	& EFS	1

=PLC-KEB1
=PLC&EFA/1.0
5036137*
I/O board

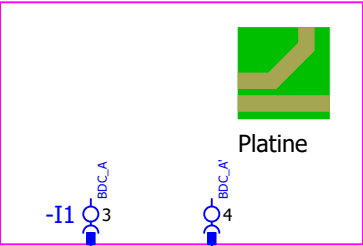


-QMA1
=PLC/1.5
A13
Solenoid valve
Water injection

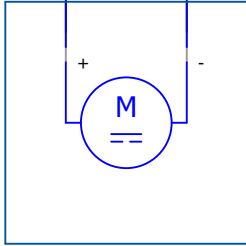


-WZA2
KB21

=PLC-KEB1
=PLC&EFA/1.0
5036137*
I/O board

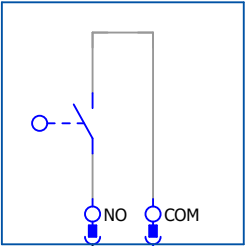


-MAA1
24V DC
A15
Dehumidifier valve

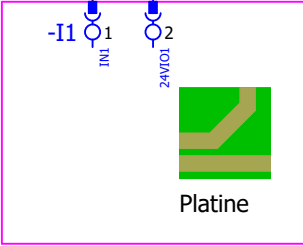


-WZA3
KB23

-BGA1
=PLC/1.0
S23
Switch
Dehumidifier valve



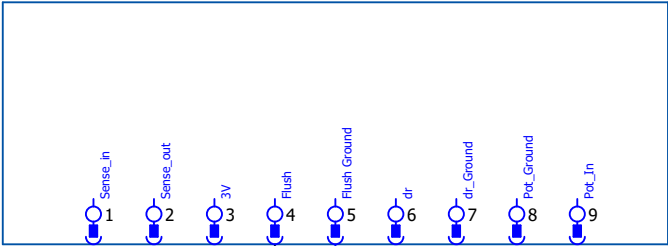
=PLC-KEB1
=PLC&EFA/1.0
5036137*
I/O board



* further articles see Bill of materials

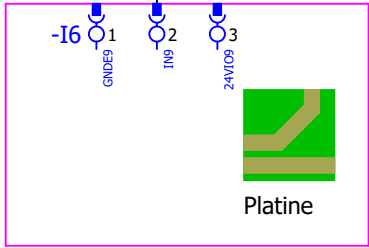
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			Ed. ALTENDORF.A			5336500-10044_00		= IJ1						
			Appr STENZEL.K			articlenumber device		+ WC1						
Modification	Date	Name	Original			Project description								

+EXT-PHA1
=PLC/1.7
BRITA Remote indicator unit

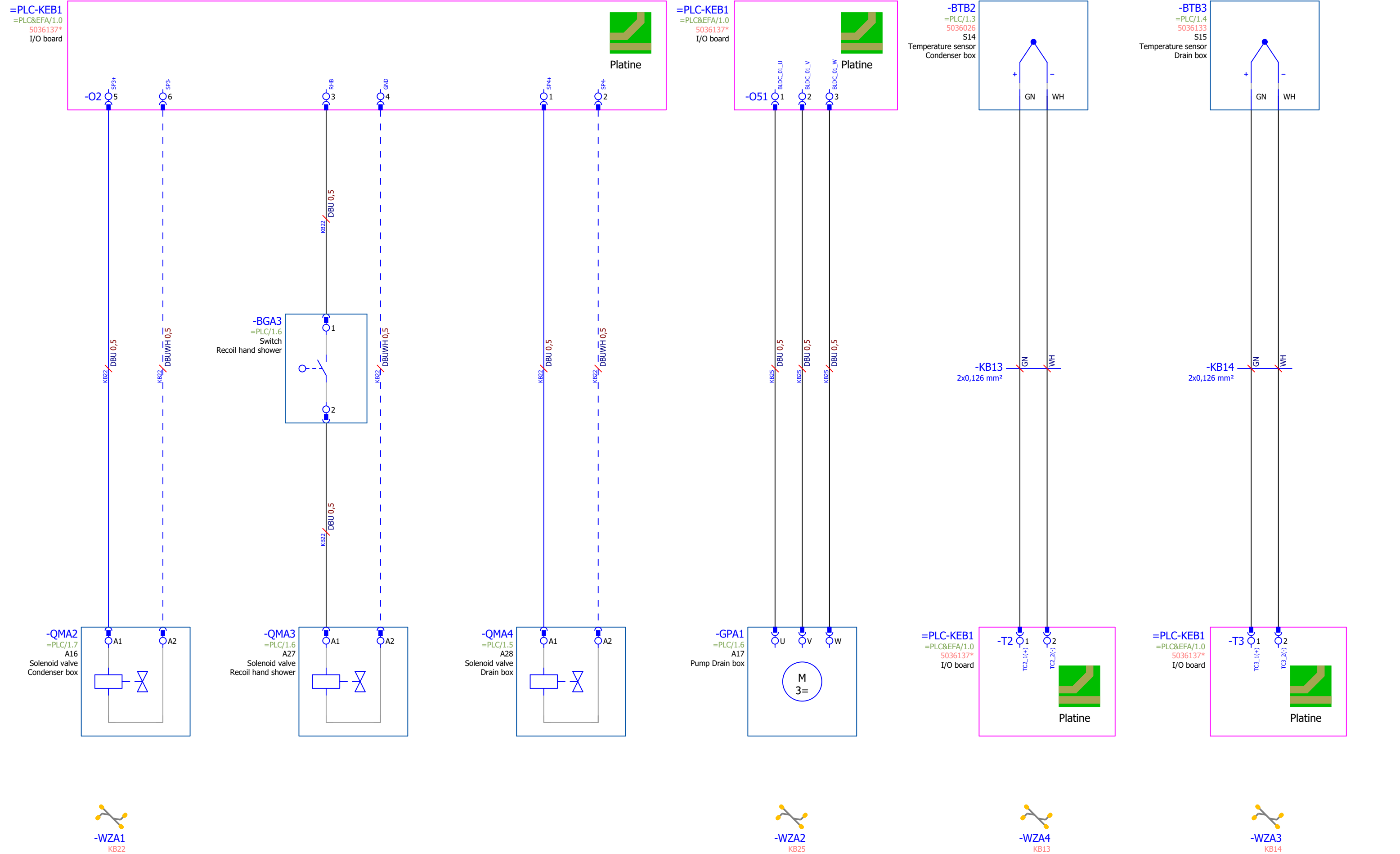


-WGA1
2x0,5

=PLC-KEB1
=PLC&EFA/1.0
5036137*
I/O board

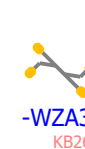
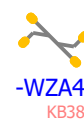
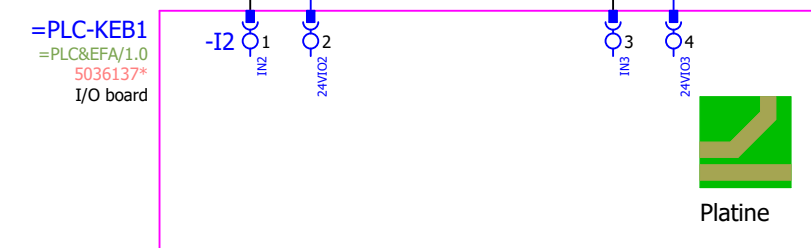
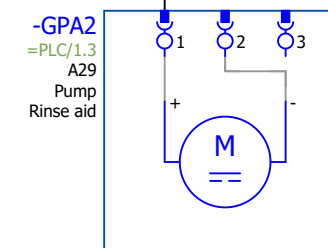
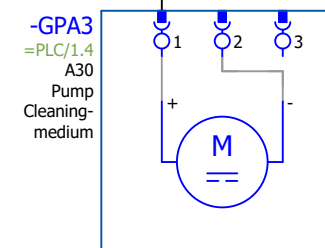
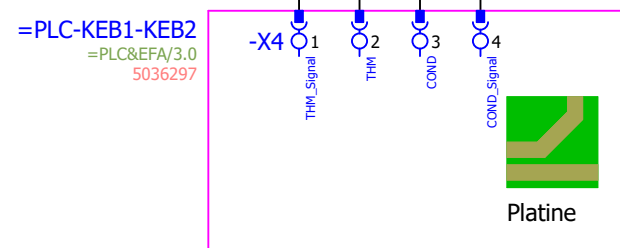
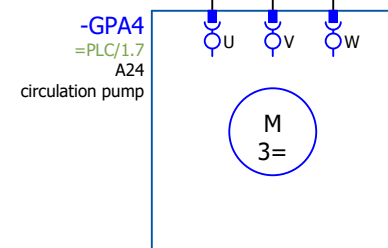
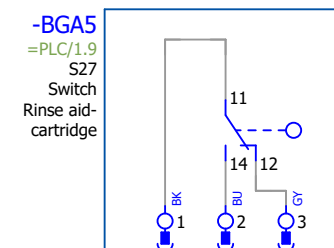
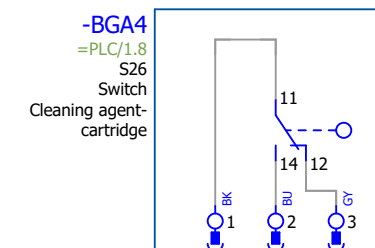
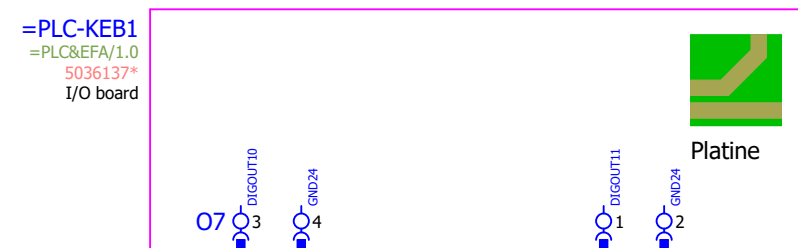
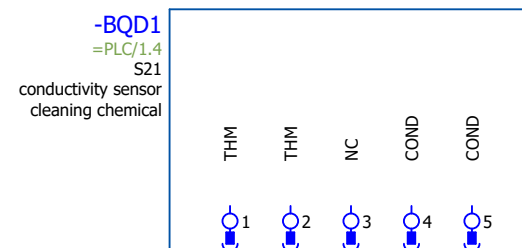
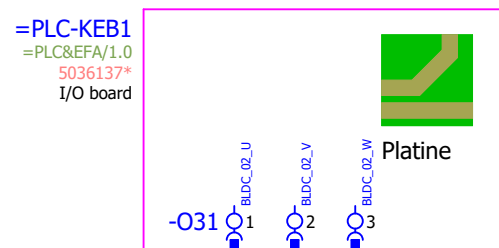


* further articles see Bill of materials



* further articles see Bill of materials

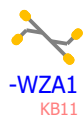
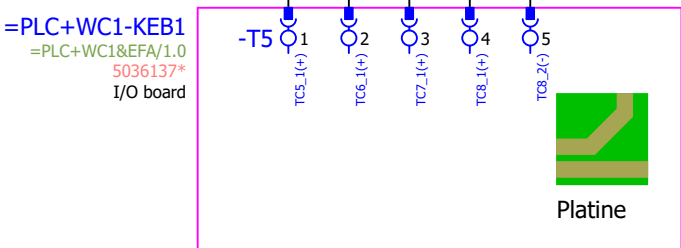
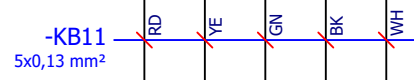
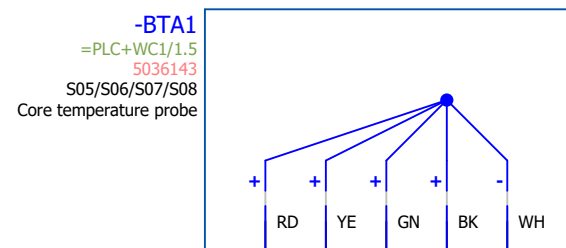
			Date	28.05.2025	Observe protection notices in accordance with ISO 16016	= Condenser box Condenser box	articlenumber circuit diagram 5336500-10044_00	Combi oven		=	CS1	COL	
			Ed.	ALTENDORF.A				Condenser box		=	COL		
			Appr	STENZEL.K				Wiring compartment		+	WC1		
Modification	Date	Name	Original				articlenumber device	Project description	17.0	E	Electrical engineering Circuit documents		&



* further articles see Bill of materials

		Date	28.05.2025	Observe protection notices in accordance with ISO 16016	= Cleaning 1 (Solid to Liquid) Cleaning	artikelnr circuit diagram 536500-10044_00	Project description 17.0	Combi oven		= CS1	CL1
		Ed.	ALTENDORF,A					Cleaning 1 (Solid to Liquid)		= CL1	
		Appr	STENZEL,K					Wiring compartment		+ WC1	
Modification	Date	Name	Original					Electrical engineering Circuit documents		& EFS 1	

LGT



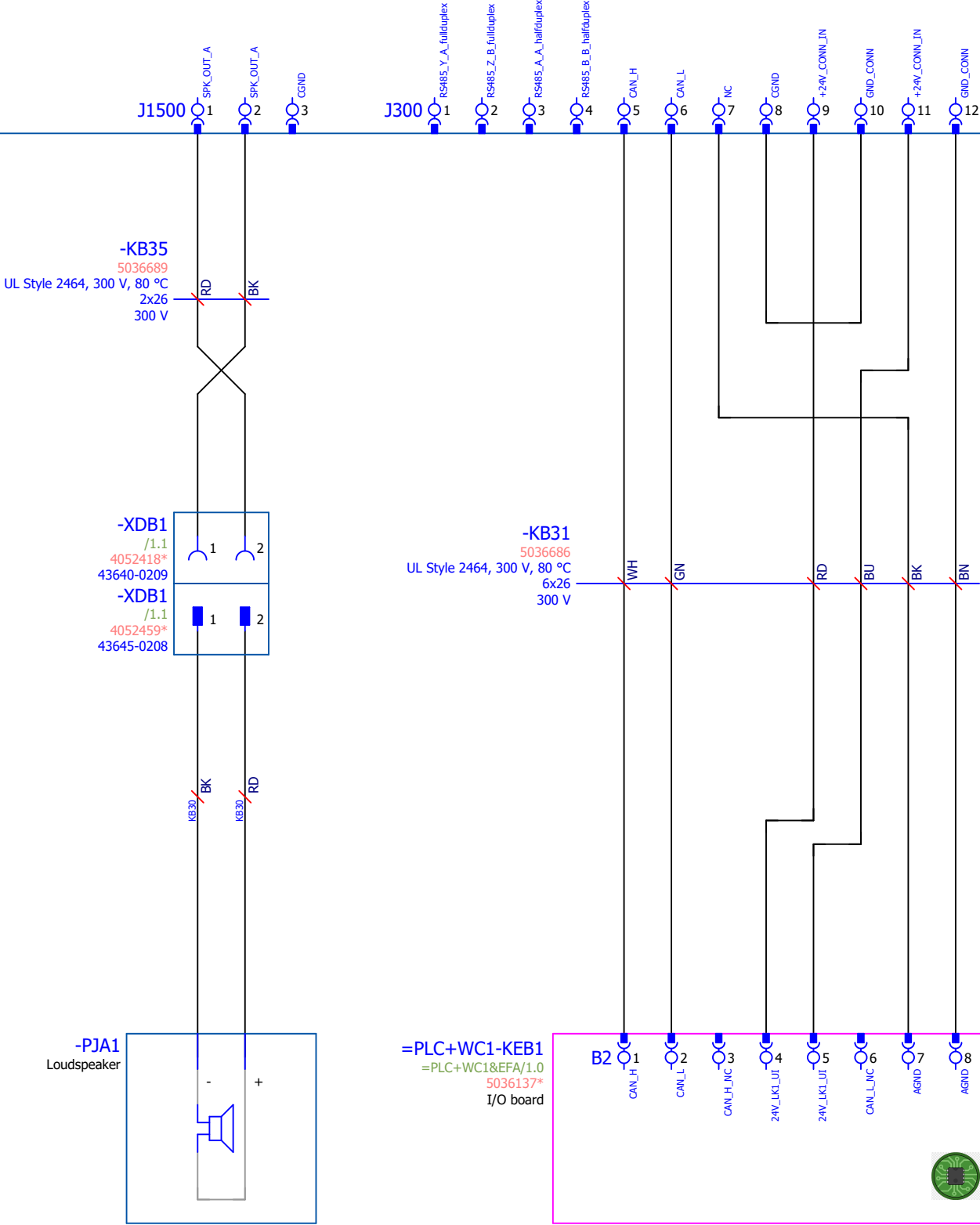
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			Date 28.05.2025	Observe protection notices in accordance with ISO 16016	= Core temperature probe Sensor (Option)	articlenumber circuit diagram	Combi oven		= CS1	CT1	
			Ed. ALTENDORF.A			5336500-10044_00	Core temperature probe		= CT1		
			Appr STENZEL.K			articlenumber device	Project description	Oven cavity			+ CC1
Modification	Date	Name	Original				17.0	E	Electrical engineering Circuit documents		& EFS 1



			Date	28.05.2025	Observe protection notices in accordance with ISO 16016	= Cooling Automatic Automatic machine. Door catch	articlenumber circuit diagram		Combi oven		=	CS1	COO	
			Ed.	ALTENDORF.A			5336500-10044_00		Cooling		=	COO		
			Appr	STENZEL.K			articlenumber device		Project description		Wiring compartment			+
Modification	Date	Name	Original				17.0	E	Electrical engineering Circuit documents		&	EFS	2	

-PHA1
=PLC+WC1/1.0
/2.0
1805533
CUI-7"



PE
=SUI/1.4 / =PLC+WC1-KEB1-X55:PE
Power supply

-WZA1
KB30

-WZA2
KB31

-WZA3
KB32

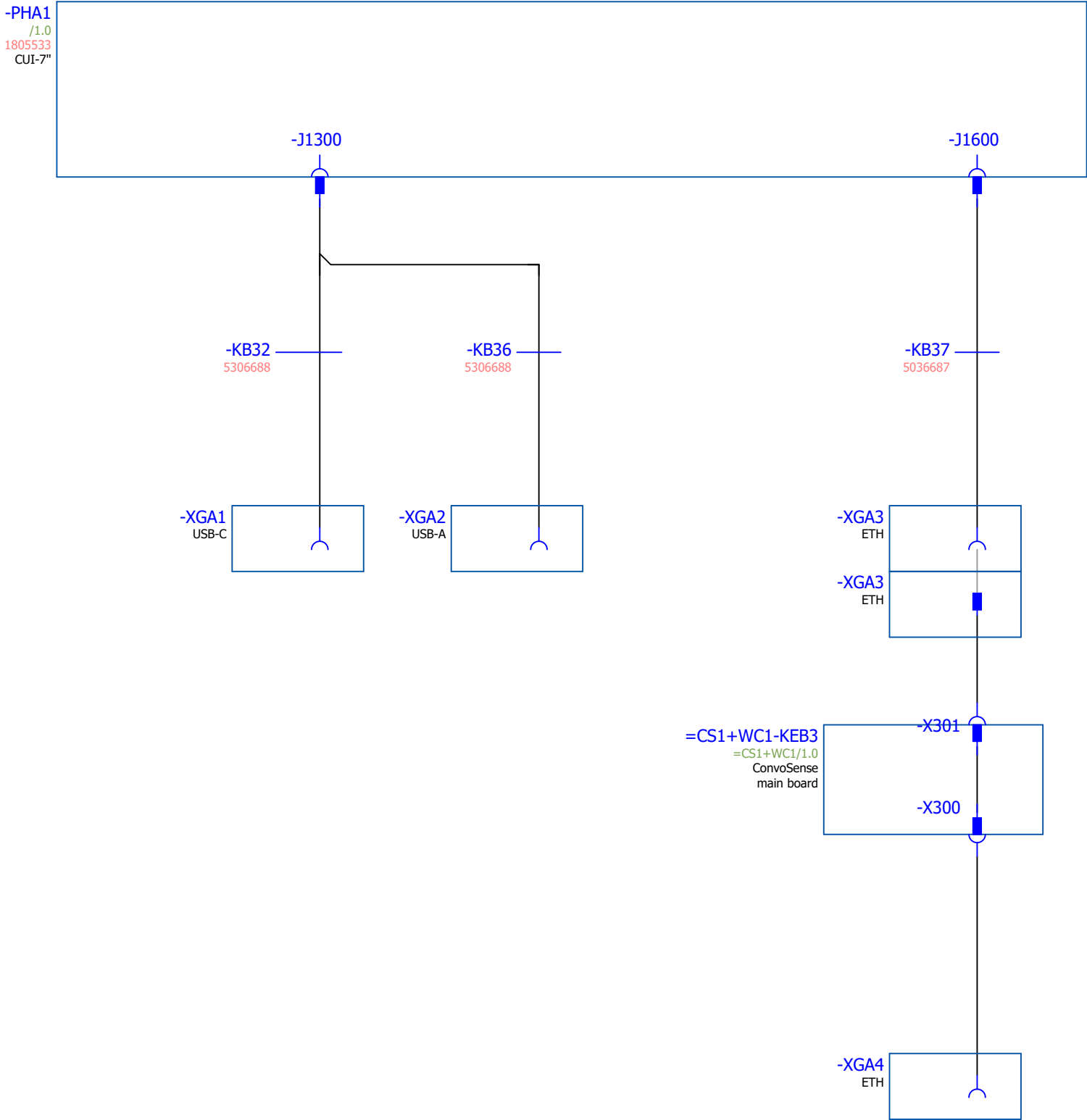
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KB33

-WZA5
KB34

-WZA7
KB36

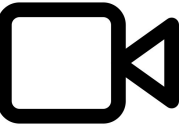
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			Ed.	ALTENDORF,A							
			Appr	STENZEL,K							
Modification	Date	Name	Original				articlenumber device		Mounting panel	+ MT1	
							17.0	E	Electrical engineering Circuit documents	& EFS	1



* further articles see Bill of materials

			Date28.05.2025	Observe protection notices in accordance with ISO 16016	= HMI Control panel	articlenumber circuit diagram	Combi oven	= = CS1	HMI
			Ed. ALTENDORF.A			5336500-10044_00	HMI	= HMI	
			Appr STENZEL.K			articlenumber device	Mounting panel	+ MT1	
Modification	Date	Name	Original			Project description17.0 E	Electrical engineering Circuit documents	& EFS 2	



* further articles see Bill of materials

			Date	28.05.2025	Observe protection notices in accordance with ISO 16016	= ConvoSense ConvoSense	artikelnr circuit diagram 5336500-10044_00	Project description	Combi oven		==	CS1	CS1
			Ed.	ALTENDORF.A					ConvoSense		=	CS1	
			Appr	STENZEL.K					Wiring compartment		+	WC1	
Modification	Date	Name	Original						17.0	E	Electrical engineering Circuit documents	&	