



Welbilt Deutschland GmbH

Talstraße 35
82436 Eglfing
Deutschland

www.convotherm.com

Technical Data

Model	Rated voltage	Frequency	consumption	Rated current
Cmn 6.10 pro	208V / 240V	60Hz	5,8kW / 7,7kW	16,1A / 18,4A

articlenumber circuit diagram 5336500-10012_00
articlenumber device

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

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higher-order Lists (Documents concerning)	&BAB	2.a	Table of contents : ==CS1=CT1+CC1&EFS/1 - ==CS1=CS1+WC1&EFS/2	ALTENDORF.A	ALTENDORF.A		28.05.2025
higher-order Explanatory Documents	&BDB	1	Overview functions	ALTENDORF.A	ALTENDORF.A		28.05.2025
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higher-order Explanatory Documents	&BDB	3	Overview document types	ALTENDORF.A	ALTENDORF.A		28.05.2025
=PLC +WC1Combi oven Control Wiring compartment							
Electrical engineering Functional overview documents	&EFA	1	Overview Main board complete	ALTENDORF.A	ALTENDORF.A		28.05.2025
Electrical engineering Functional overview documents	&EFA	2	Overview Main board Network connector	ALTENDORF.A	ALTENDORF.A		28.05.2025
Electrical engineering Functional overview documents	&EFA	3	Overview Expansion board	ALTENDORF.A	ALTENDORF.A		28.05.2025
Electrical engineering Circuit documents	&EFS	1	Wiring overview	ALTENDORF.A	ALTENDORF.A		28.05.2025
=SU1 +MT1Combi 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 +WC1Combi oven Convection system 1 Wiring compartment							
Electrical engineering Circuit documents	&EFS	1	Hot air Generation 1	ALTENDORF.A	ALTENDORF.A		28.05.2025
=IJ1 +WC1Combi 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 +MT1Combi oven Oven fan Mounting panel							
Electrical engineering Circuit documents	&EFS	1	Motor	ALTENDORF.A	ALTENDORF.A		28.05.2025
=COL +WC1Combi oven Condenser box Wiring compartment							
Electrical engineering Circuit documents	&EFS	1	Condenser box	ALTENDORF.A	ALTENDORF.A		28.05.2025
=CL1 +WC1Combi oven Cleaning 1 (Solid to Liquid) Wiring compartment							
Electrical engineering Circuit documents	&EFS	1	Cleaning	ALTENDORF.A	ALTENDORF.A		28.05.2025
=LGT +CC1Combi 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
Electrical engineering Circuit documents	&EFS	2	Automatic Automatic machine. Door catch	ALTENDORF.A	ALTENDORF.A		28.05.2025
=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
Electrical engineering Circuit documents	&EFS	2	ConvoSense	ALTENDORF.A	ALTENDORF.A		28.05.2025

Example

Description
Standards
EPLAN
Nesting

+MT1

Mixer 1
City
Installation site
No

+EXT

External Installation site

+MT1

Mounting panel

+WC1

Wiring compartment

+CC1

Oven cavity

+DO1

Unit door

Example

&EFS

Description Standard

EPLAN

Electrical engineering schematic

Electrical engineering

Circuit documents

Schematic multi-line

Document type-Class key (DCC)

Technical Areas A1

Main classes A2

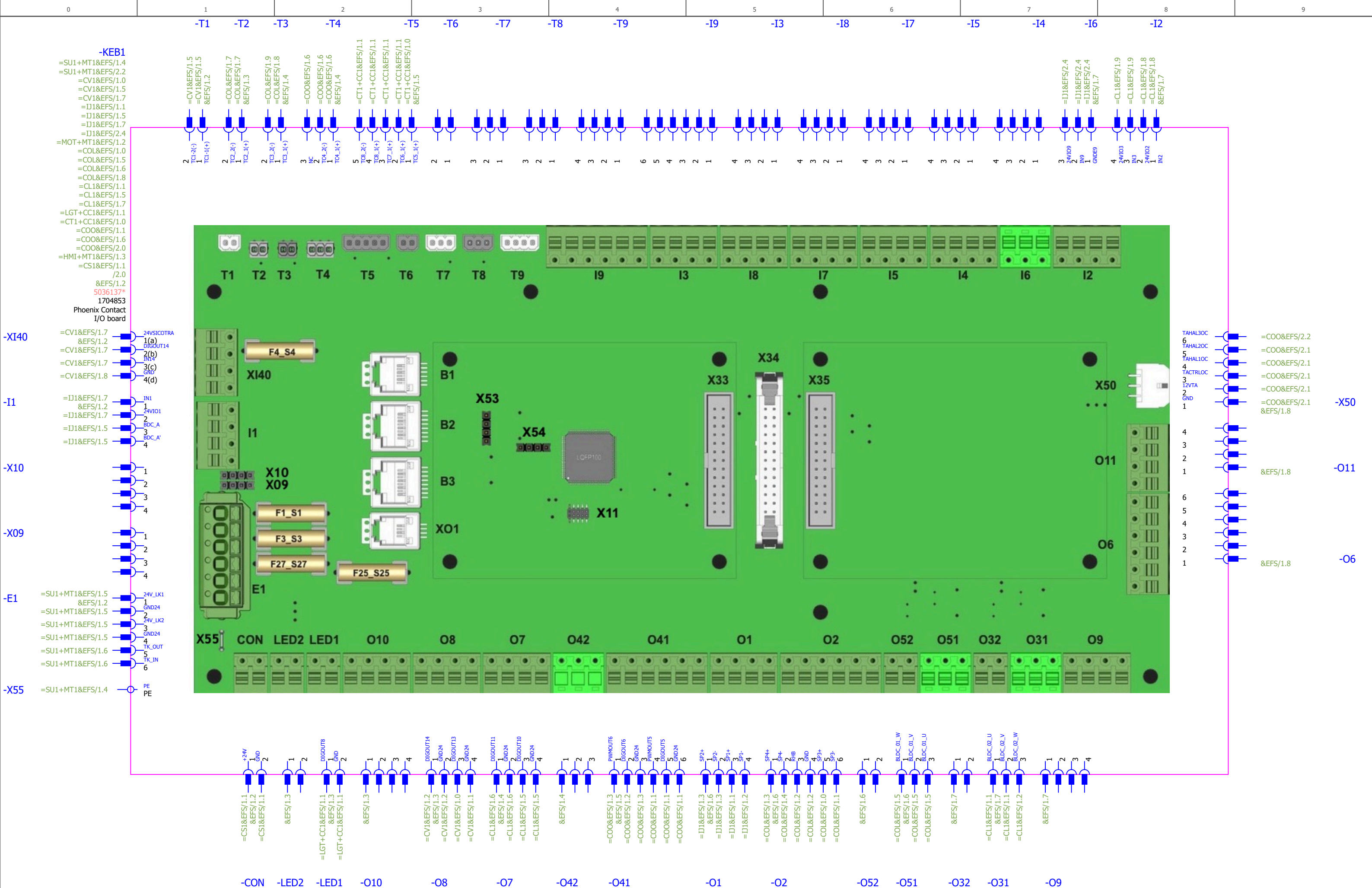
Subclasses A3

&EFS

&EFA Electrical engineering Functional overview documents

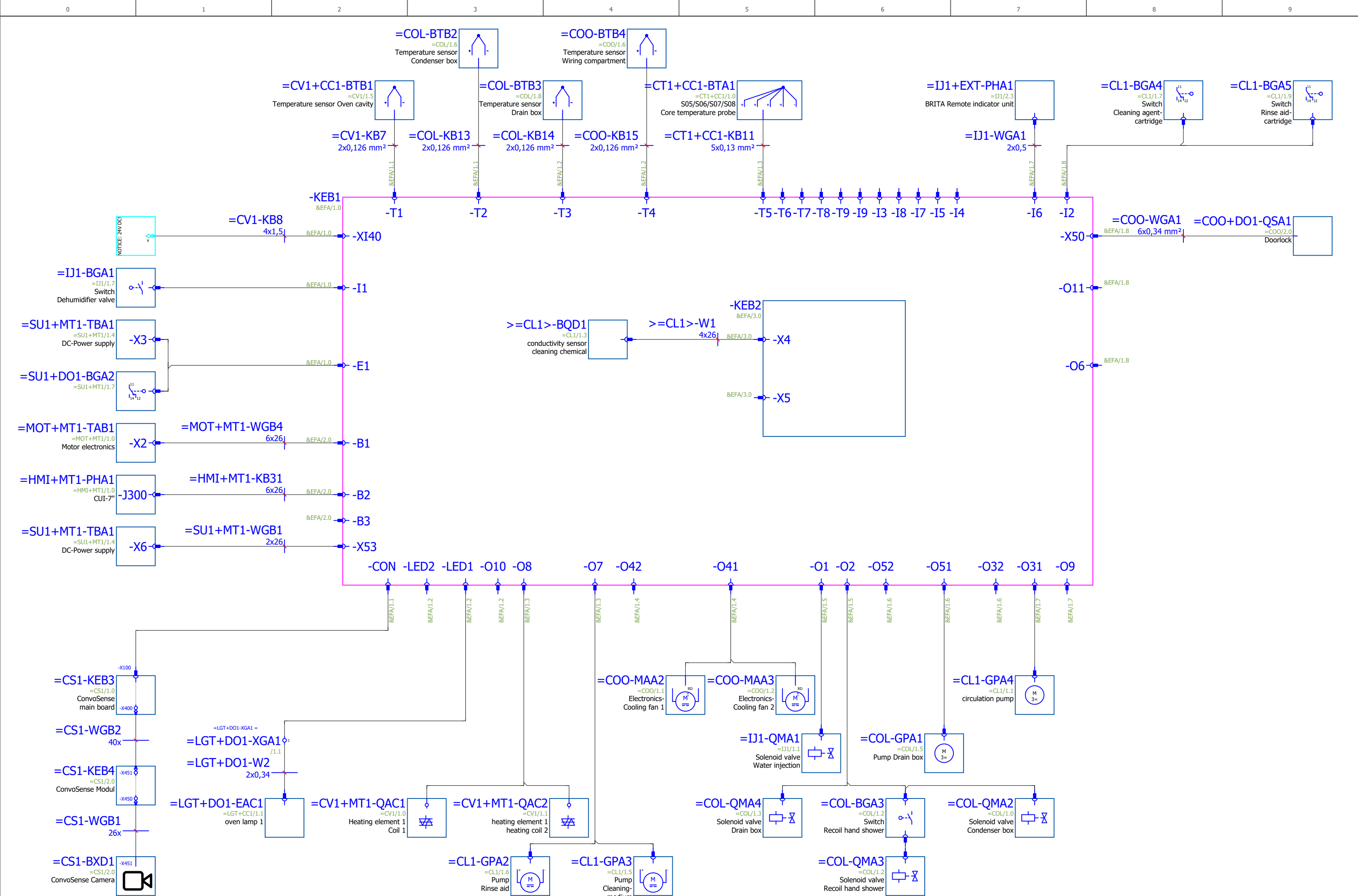
&EFS Electrical engineering Circuit documents

			Date	28.05.2025	Observe protection notices in accordance with ISO 16016	=	Overview document types	articlenumber circuit diagram			==	
			Ed.	ALTENDORF,A				5336500-10012_00			=	
			Appr					articlenumber device		Project description		+
Modification	Date	Name	Original					17.0		-	higher-order Explanatory Documents	& BDB 3

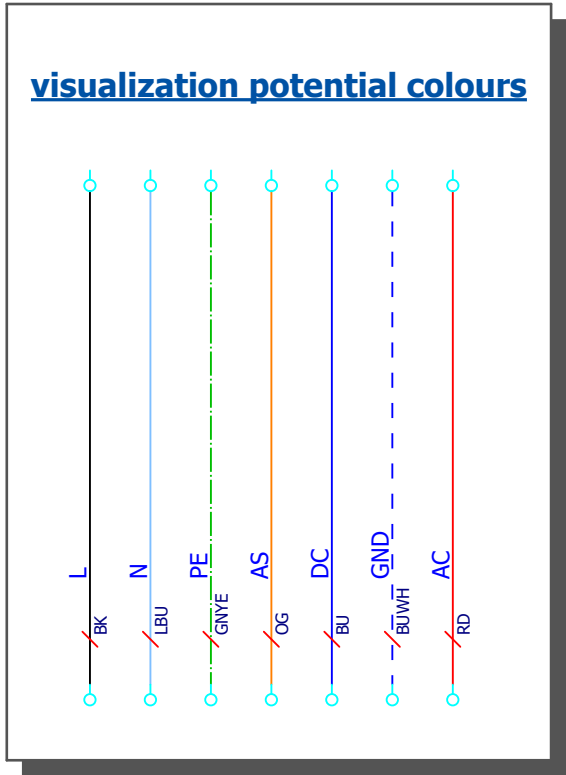
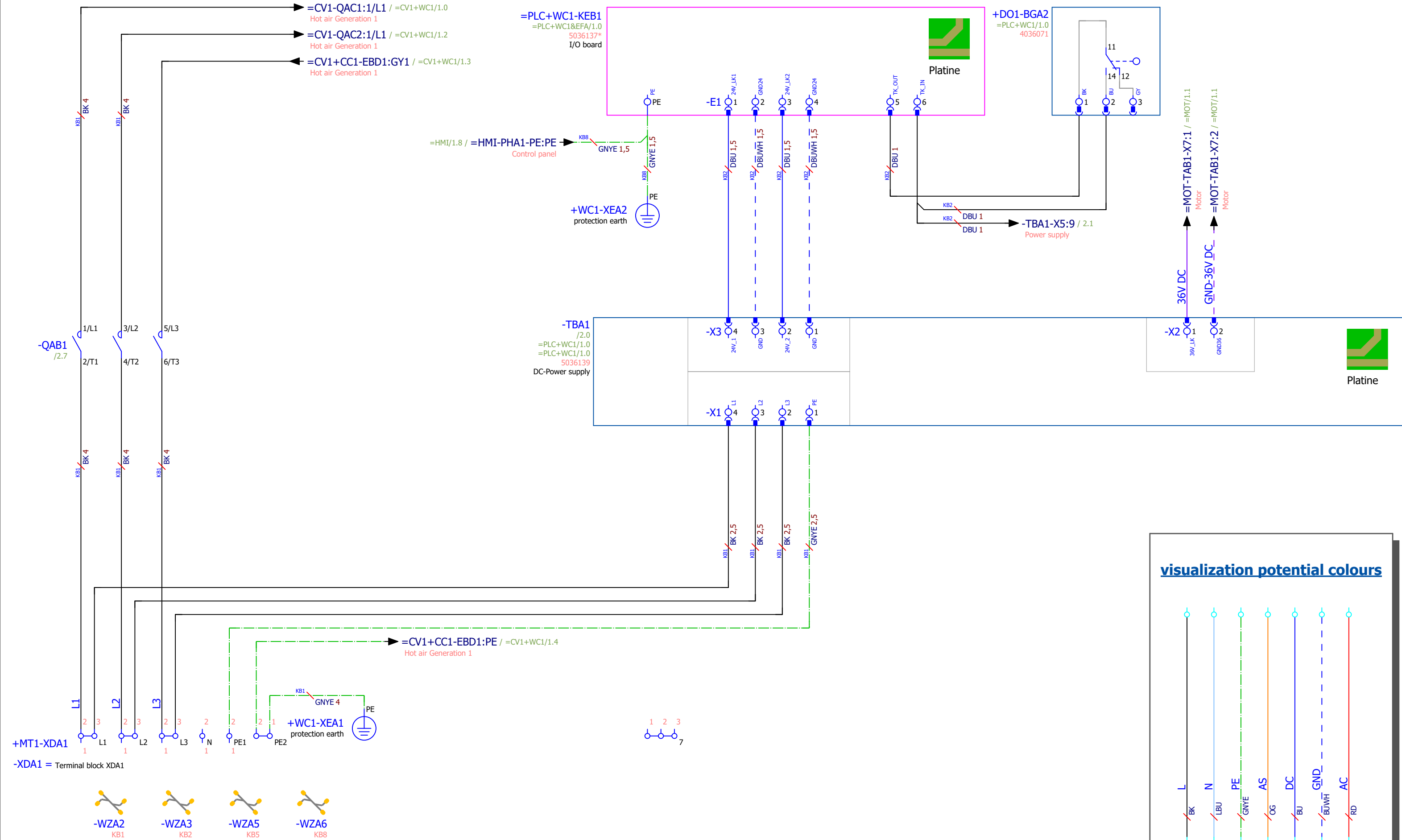


			Date	28.05.2025	Observe protection notices in accordance with ISO 16016	= Control Overview Main board complete	articlenumber circuit diagram 5336500-10012_00	Project description 17.0	Combi oven		PLC	
			Ed.	ALTENDORF.A					Control			
			Appr	STENZEL.K					Wiring compartment			
Modification	Date	Name	Original	Electrical engineering Functional overview documents								
										= CS1 = PLC + WC1 & EFA	1	=

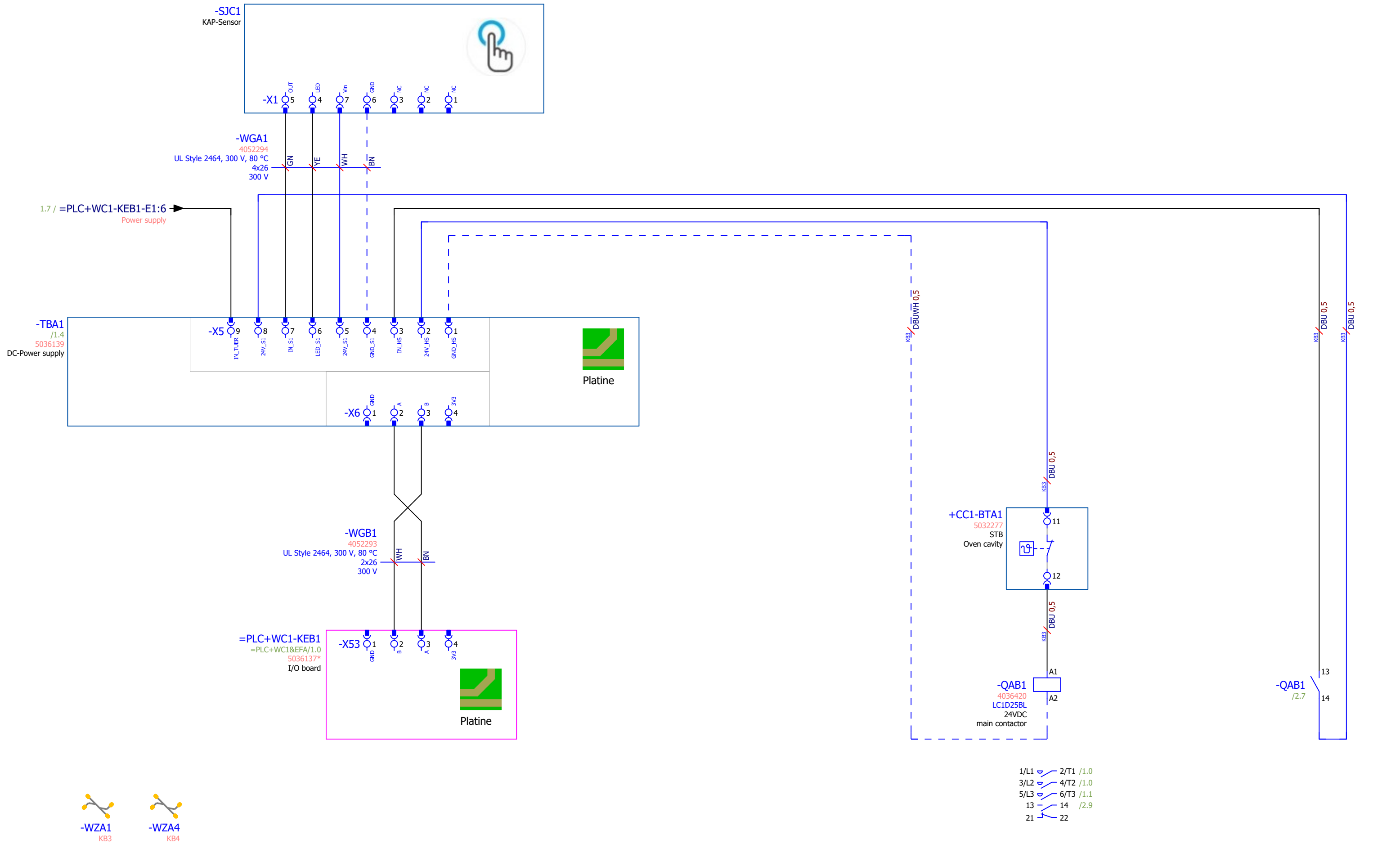
			Date 28.05.2025	Observe protection notices in accordance with ISO 16016	= Control Overview Expansion board	Further articles see Bill of Materials	articlenumber circuit diagram 5336500-10012_00	Combi oven		= CS1	PLC
			Ed. ALTENDORF.A					Control		= PLC	
			Appr STENZEL.K					Wiring compartment		+ WC1	
Modification	Date	Name	Original					articlenumber device	Project description	Electrical engineering Functional overview documents	
					17.0	E					



			Date	28.05.2025	Observe protection notices in accordance with ISO 16016	= Control Wiring overview	articlenumber circuit diagram		Combi oven		==	CS1	PLC
			Ed.	ALTENDORF.A			5336500-10012_00		Control		=	PLC	
			Appr	STENZEL.K			articlenumber device		Wiring compartment		+	WC1	
Modification	Date	Name	Original				Project description		Electrical engineering Circuit documents		&	EFS	
							17.0	E			1	=	

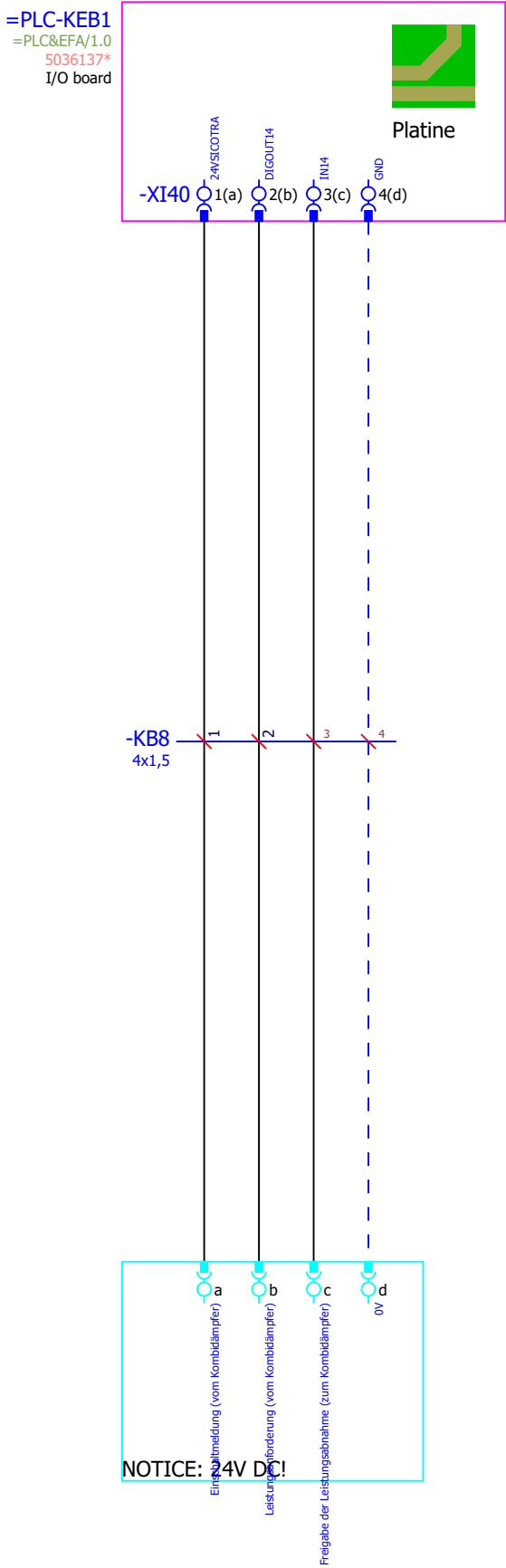
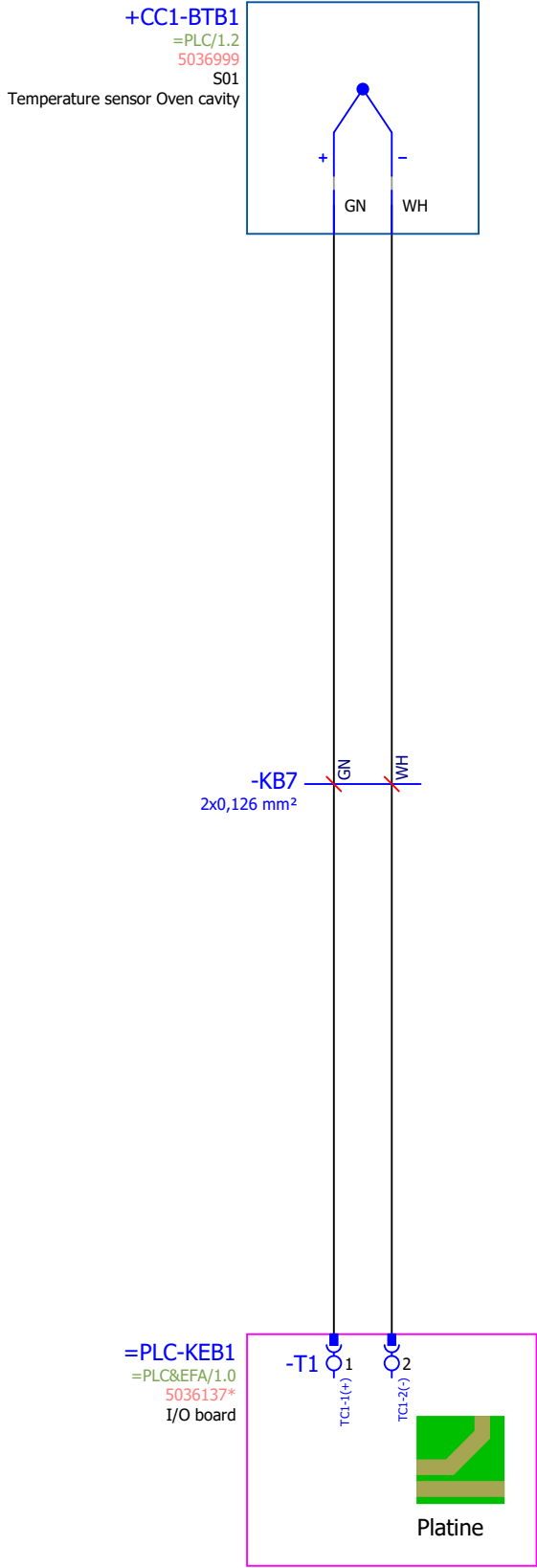
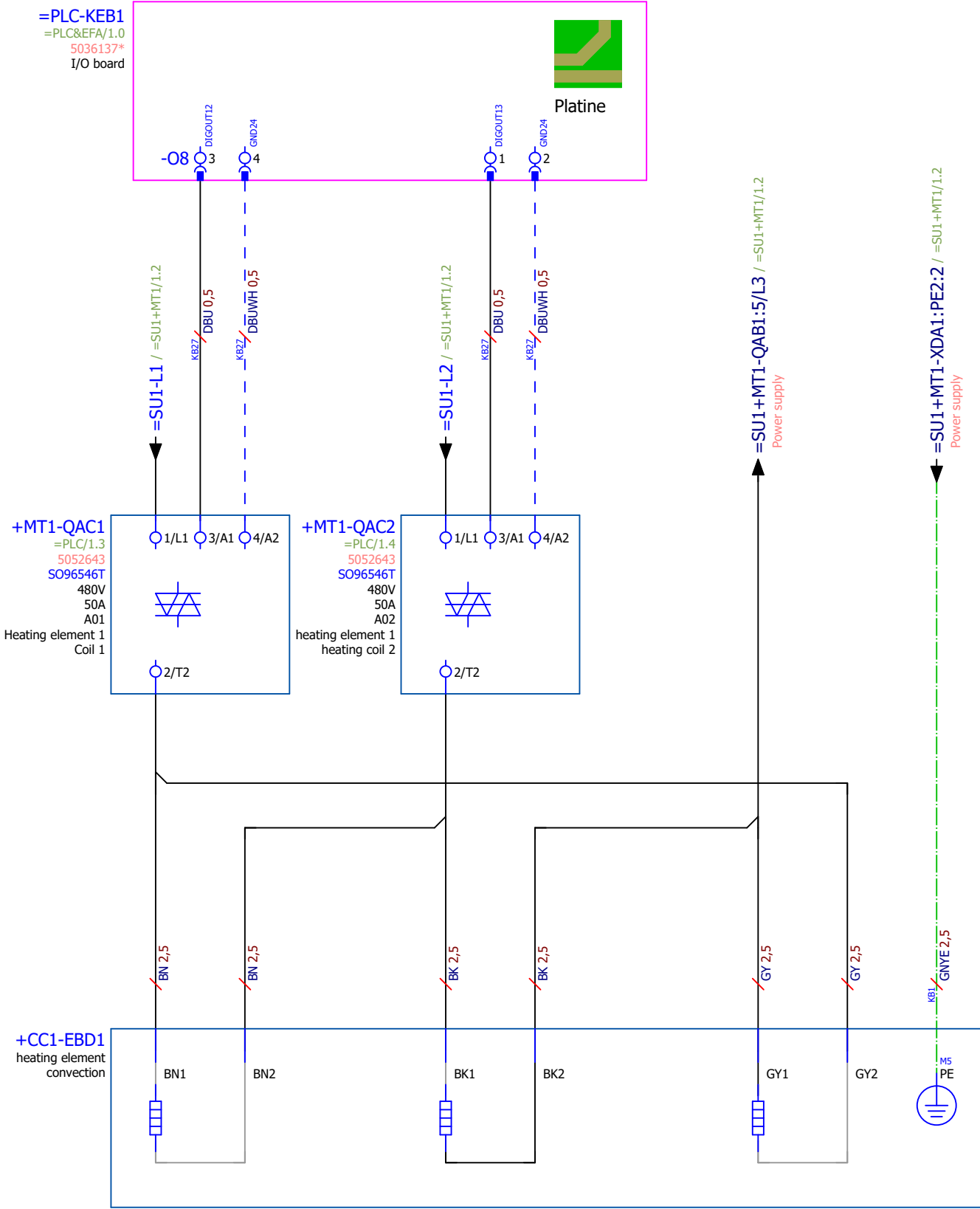


* further articles see Bill of materials



* further articles see Bill of materials

			Date28.05.2025	Observe protection notices in accordance with ISO 16016	= Power supply Power supply	articlenumber circuit diagram 5336500-10012_00	Project description 17.0	Combi oven Power supply Mounting panel Electrical engineering Circuit documents	== CS1 = SU1 + MT1 & EFS	2	SU1
			Ed. ALTENDORF.A								
			Appr STENZEL.K								
Modification	Date	Name	Original			articlenumber device					



External Power optimization system after DIN18875

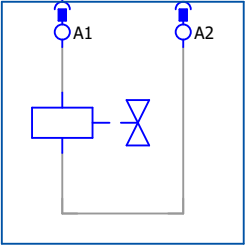
* further articles see Bill of materials

			Date28.05.2025	Observe protection notices in accordance with ISO 16016	= Convection system 1 Hot air Generation 1	articlenumber circuit diagram 5336500-10012_00	Project description 17.0	Combi oven		= CS1	CV1
			Ed. ALTENDORF.A					Convection system 1		= CV1	
			Appr STENZEL.K					Wiring compartment		+ WC1	
Modification	Date	Name	Original					Electrical engineering Circuit documents		& EFS	1

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

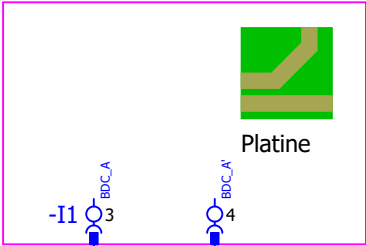


-QMA1
=PLC/1.5
A13
Solenoid valve
Water injection

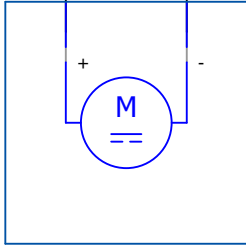


-WZA2
KB21

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

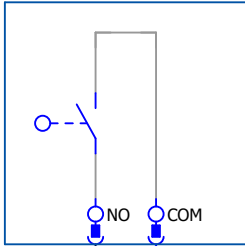


-MAA1
24V DC
A15
Dehumidifier valve

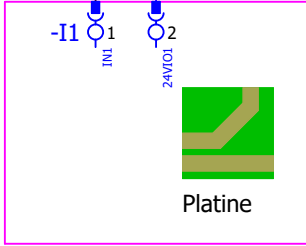


-WZA3
KB23

-BGA1
=PLC/1.0
S23
Switch
Dehumidifier valve



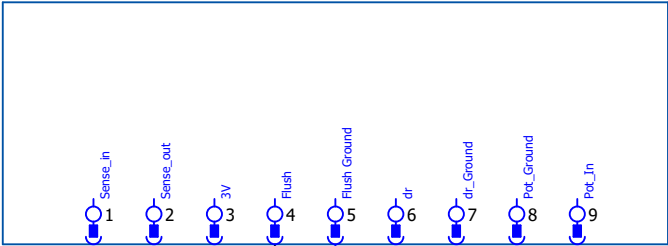
=PLC-KEB1
=PLC&EFA/1.0
5036137*
I/O board



* further articles see Bill of materials

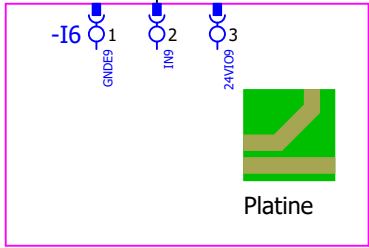
			Date28.05.2025	Observe protection notices in accordance with ISO 16016	= Water injection Sprayer	articlenumber circuit diagram	Combi oven	= CS1	E	17.0	Electrical engineering Circuit documents	& EFS	1	I1
			Ed. ALTENDORF.A			5336500-10012_00		= IJ1						
			Appr STENZEL.K			articlenumber device		+ WC1						
Modification	Date	Name	Original			Project description								

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

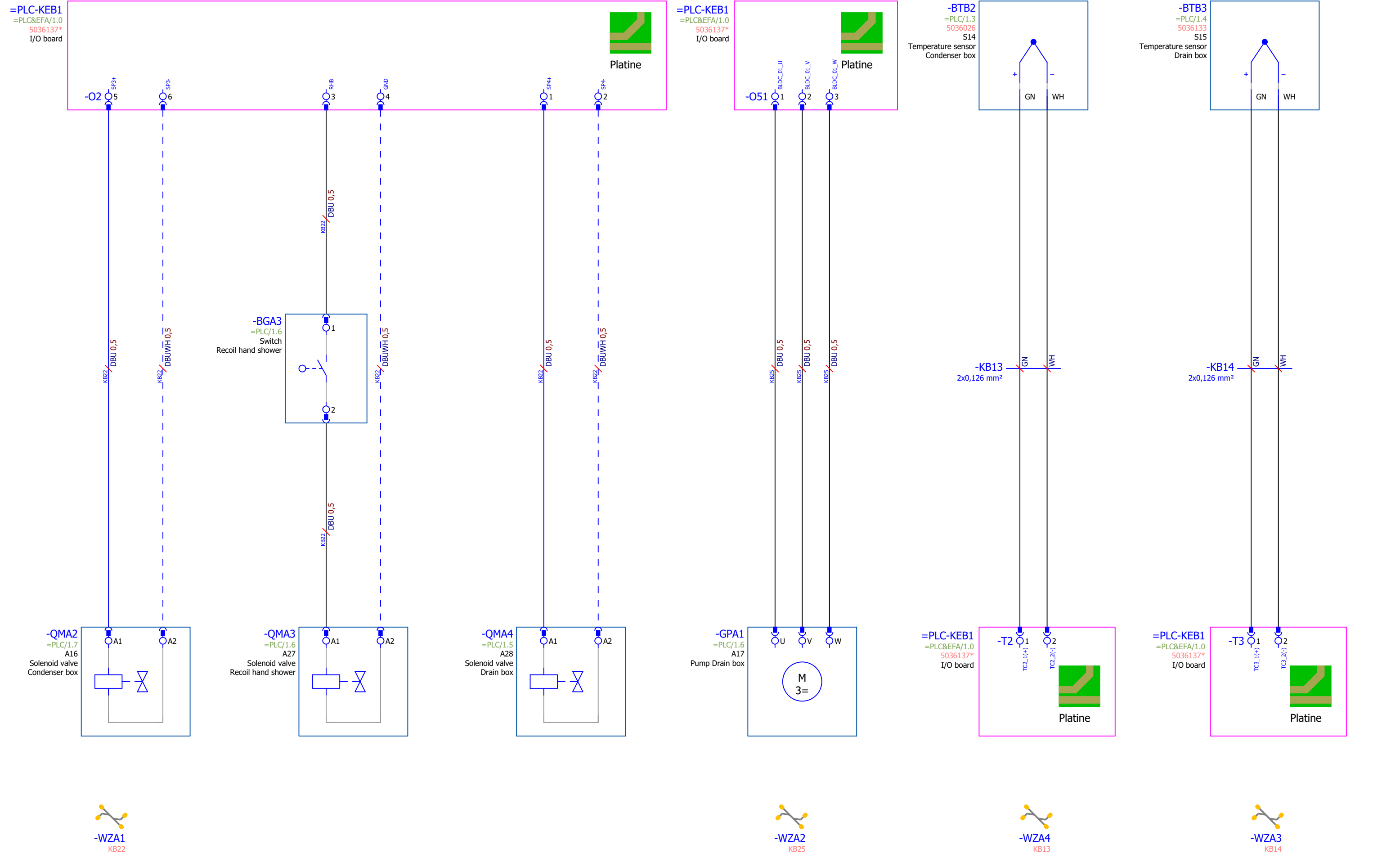


-WGA1
2x0,5

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

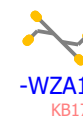
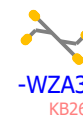
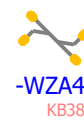
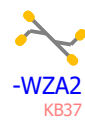
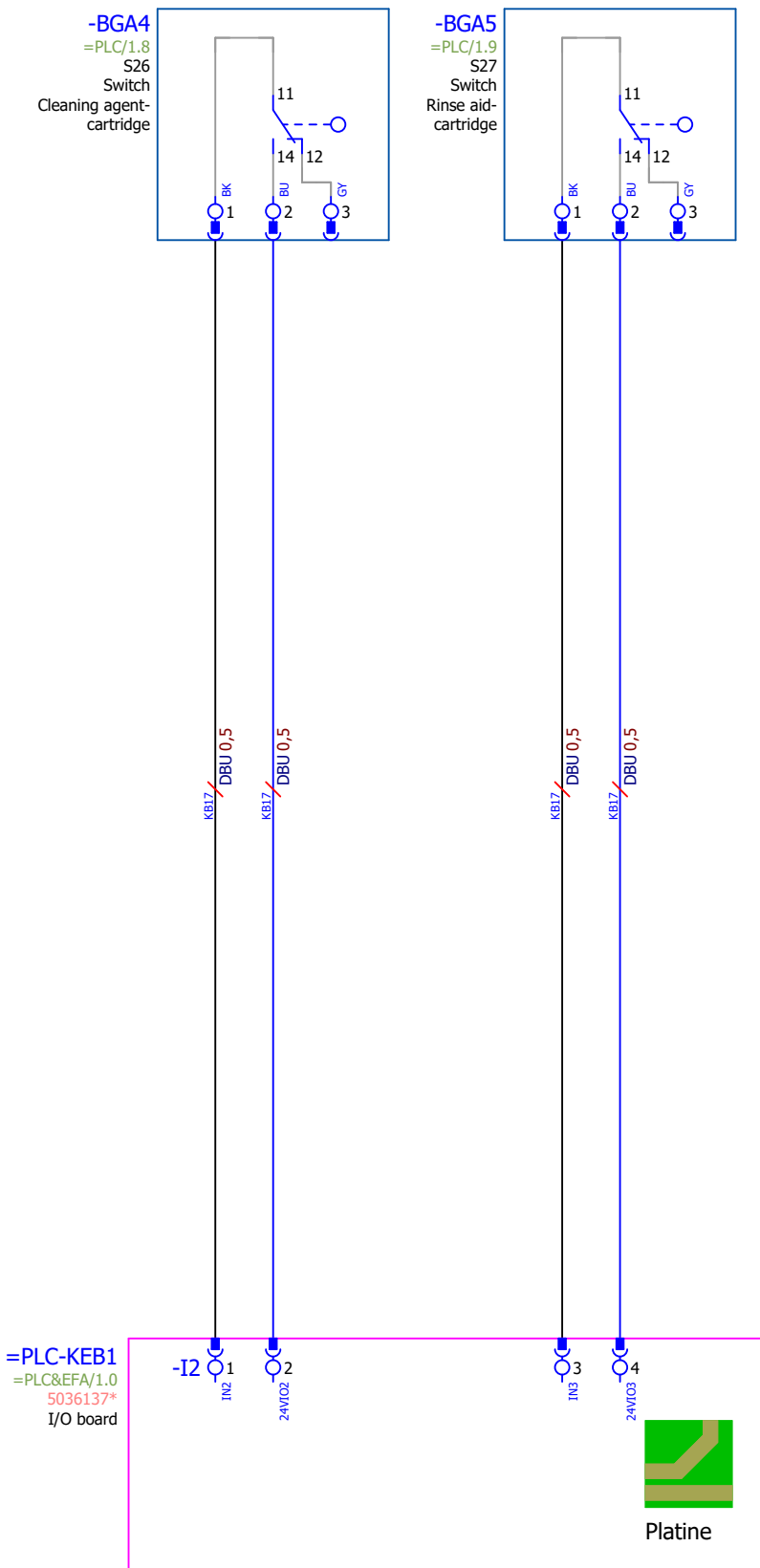
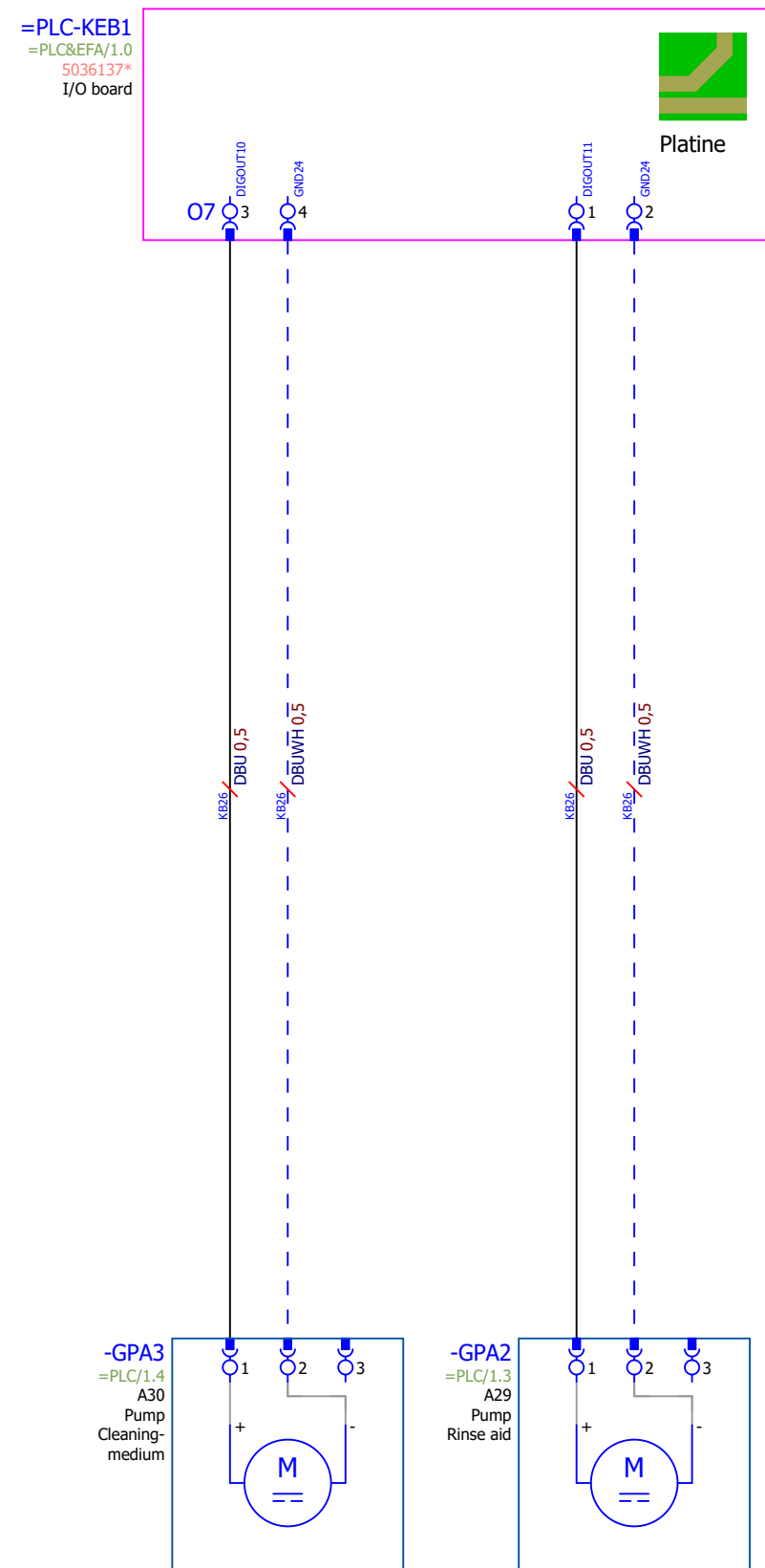
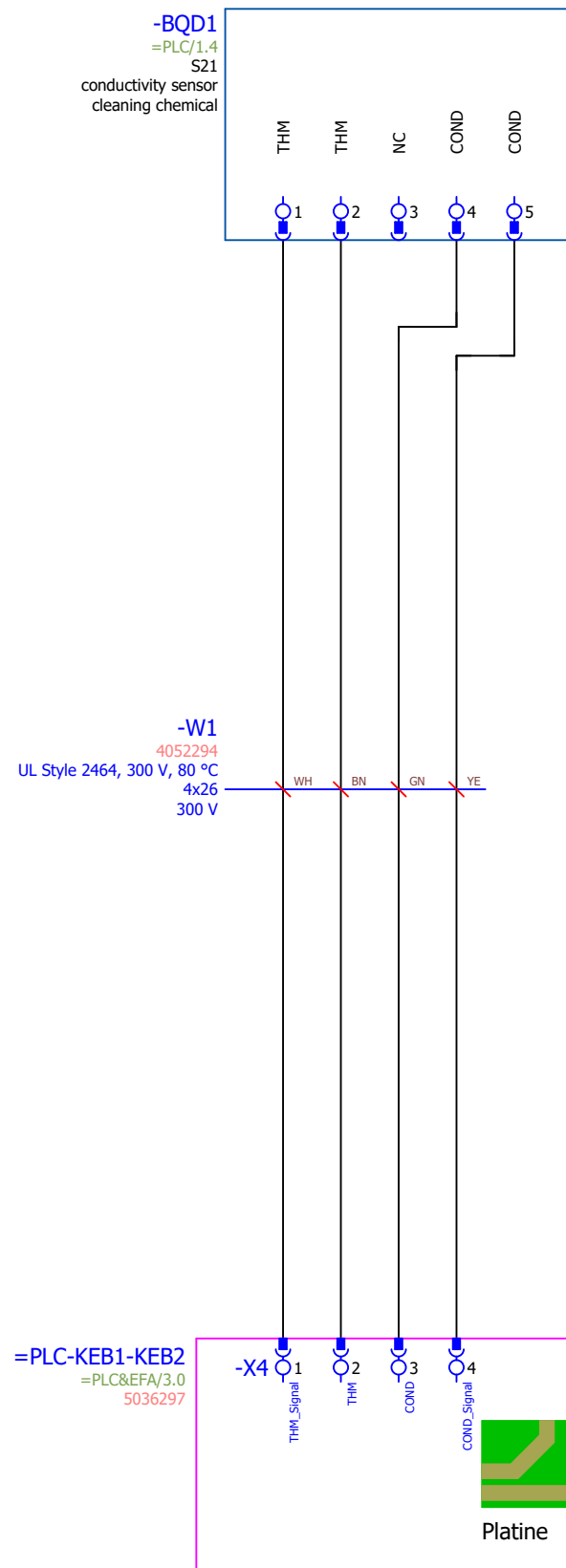
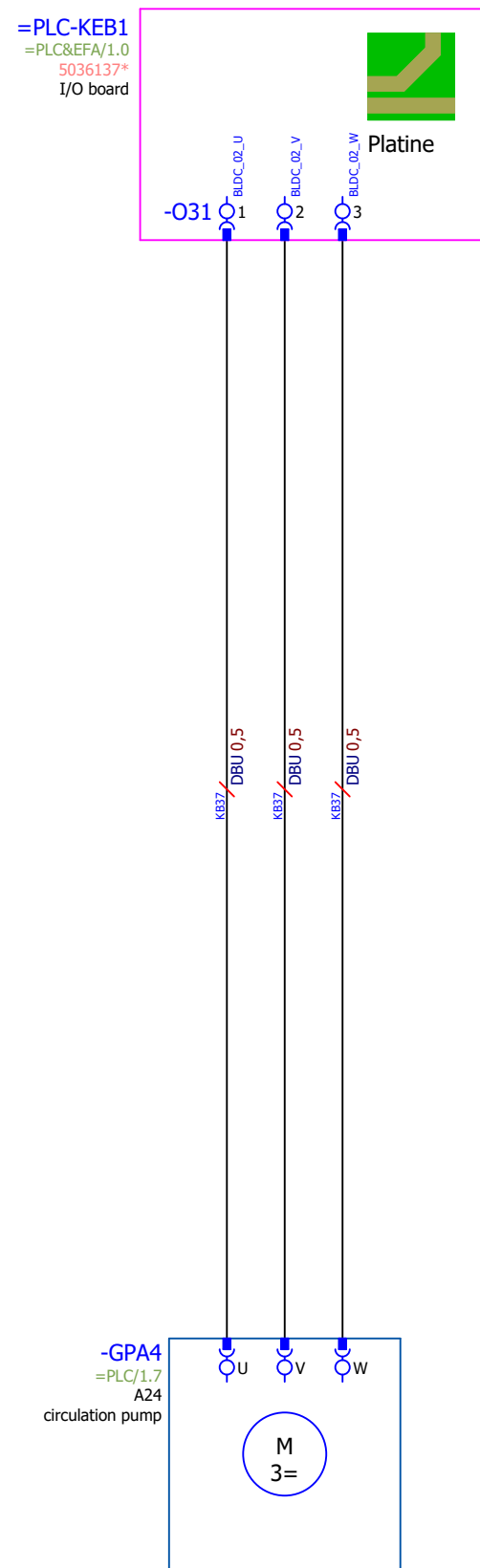


* further articles see Bill of materials



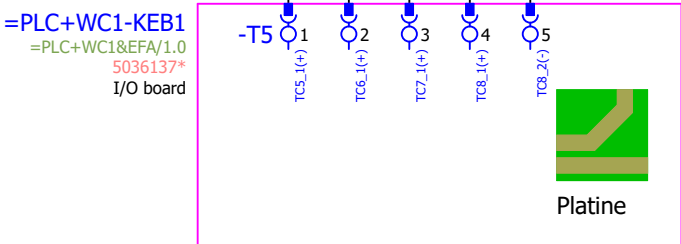
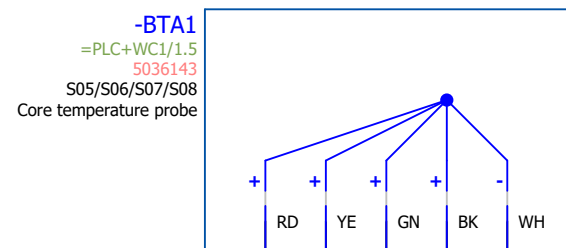
* further articles see Bill of materials

			Date	28.05.2025	Observe protection notices in accordance with ISO 16016	= Condenser box Condenser box	articlenumber circuit diagram 5336500-10012_00	Project description 17.0	E	Combi oven		==	CS1	COL
			Ed.	ALTENDORF,A						Condenser box		=	COL	
			Appr	STENZEL,K						Wiring compartment		+	WC1	
Modification	Date	Name	Original							Electrical engineering Circuit documents		&	EFS	1



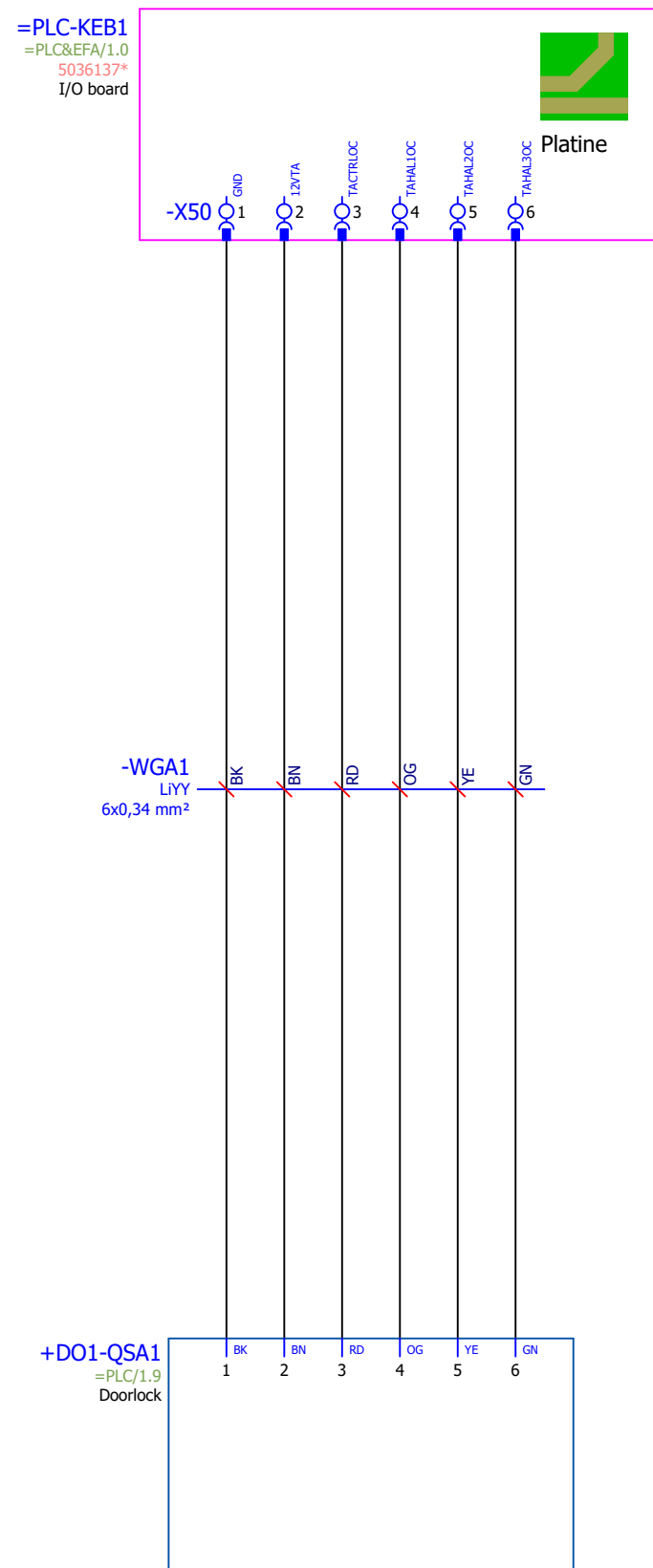
* further articles see Bill of materials

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		Ed.	ALTENDORF.A				Cleaning 1 (Solid to Liquid)		= CL1	
		Appr	STENZEL.K				Wiring compartment		+ WC1	
Modification	Date	Name	Original				Project description 17.0		E & EFS 1	



* further articles see Bill of materials

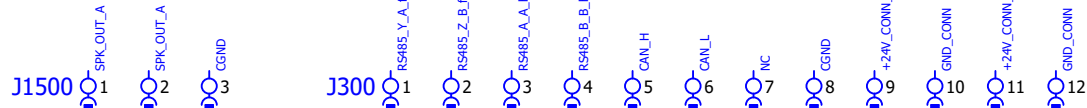
			Date 28.05.2025	Observe protection notices in accordance with ISO 16016	= Core temperature probe Sensor (Option)	artikelnr circuit diagram 5336500-10012_00	Combi oven		= CS1	CT1
			Ed. ALTENDORF.A				Core temperature probe		= CT1	
			Appr STENZEL.K				Oven cavity		+ CC1	
Modification	Date	Name	Original				artikelnr device	Project description	17.0	



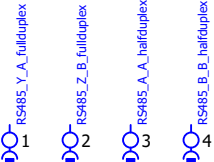
* further articles see Bill of materials

			Date 28.05.2025	Observe protection notices in accordance with ISO 16016	= Cooling Automatic Automatic machine. Door catch	<div> <div>articalnumber circuit diagram</div> <div>5336500-10012_00</div> <div>articalnumber device</div> <div>Project description</div> <div>17.0</div> </div>	Combi oven		== CS1	COO
			Ed. ALTENDORF.A				Cooling		= COO	
			Appr STENZEL.K				Wiring compartment		+ WC1	
Modification	Date	Name	Original				Electrical engineering Circuit documents		& EFS 2	

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

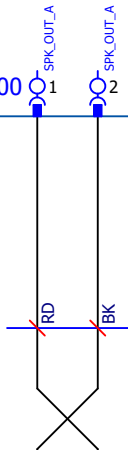


J300



-KB35

5036689
UL Style 2464, 300 V, 80 °C
2x26
300 V

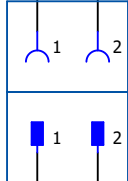


-XDB1

/1.1
4052418*
43640-0209

-XDB1

/1.1
4052459*
43645-0208



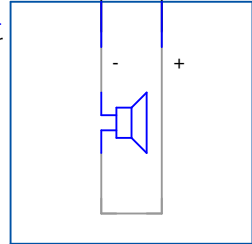
-KB31

5036686
UL Style 2464, 300 V, 80 °C
6x26
300 V



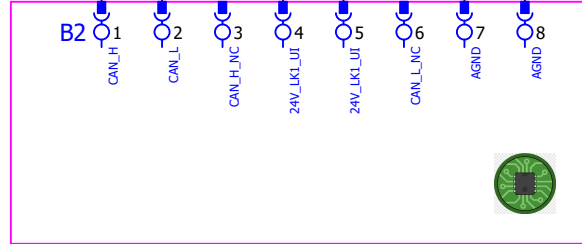
-PJA1

Loudspeaker



=PLC+WC1-KEB1

=PLC+WC1&EFA/1.0
5036137*
I/O board



PE

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



-WZA1
KB30



-WZA2
KB31



-WZA3
KB32



-WZA4
KB33



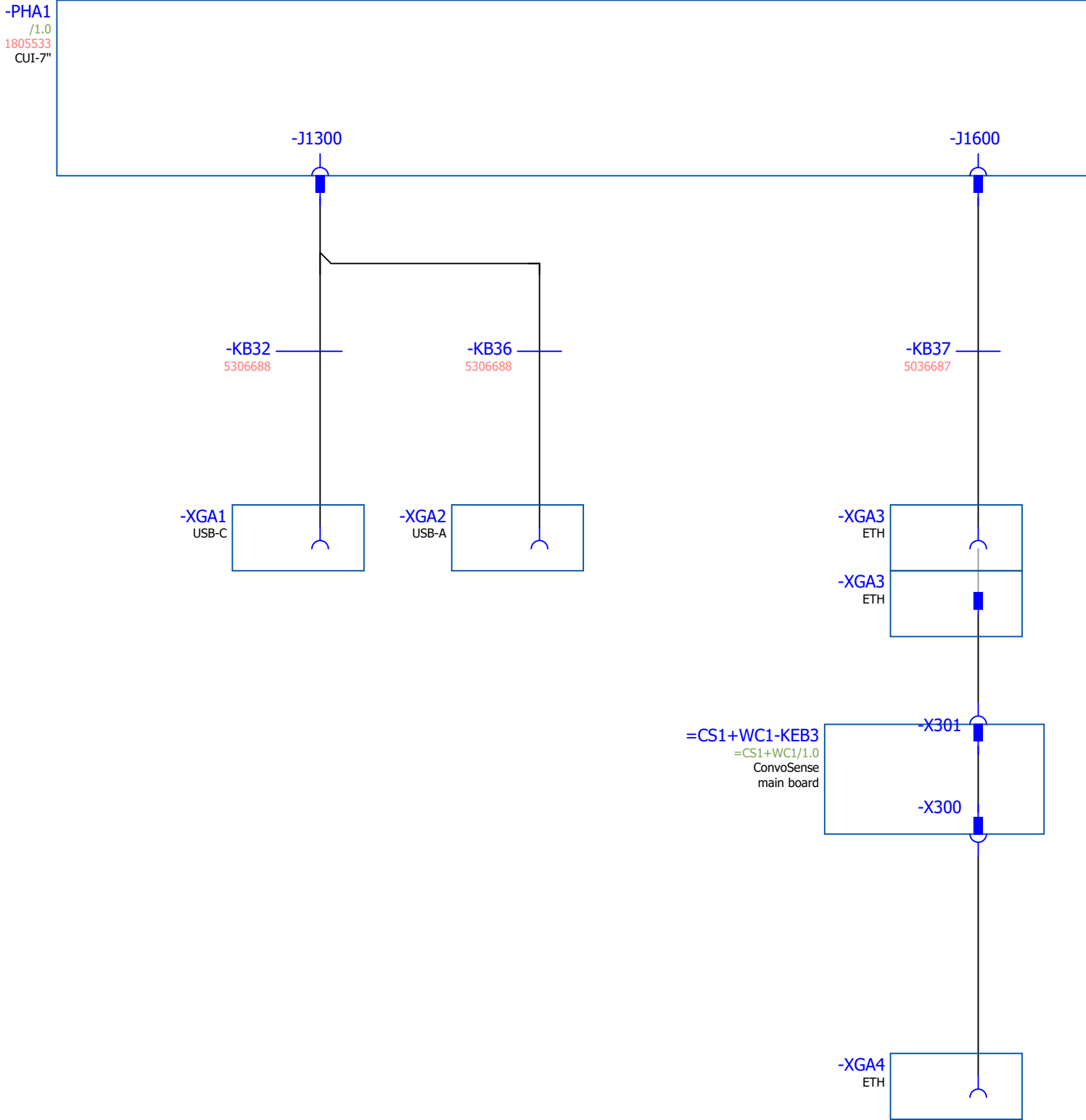
-WZA5
KB34



-WZA7
KB36

* further articles see Bill of materials

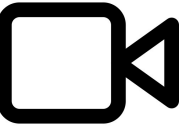
			Date	28.05.2025	Observe protection notices in accordance with ISO 16016	= HMI Control panel	articlenumber circuit diagram	Combi oven	= CS1	HMI
			Ed.	ALTENDORF,A			5336500-10012_00	HMI	= HMI	
			Appr	STENZEL,K			articlenumber device	Mounting panel	+ MT1	
Modification	Date	Name	Original				17.0	Electrical engineering Circuit documents	& EFS	



* 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			5336500-10012_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	

CS1



CS1

CS1

= CS1

+ WC1

E

& EFS

2