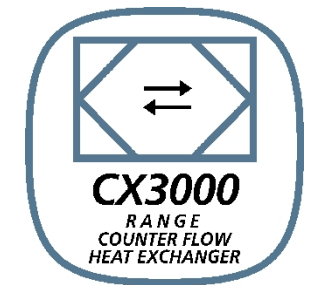


CX3010-CX3020 Wiring diagram

EXcon-automatic



CX3010 & CX3020

With airflow control

0400101

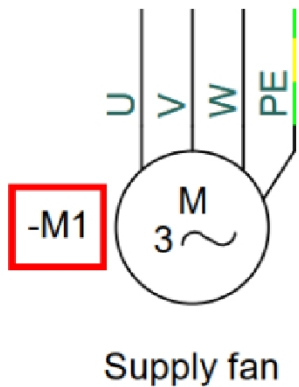
230VAC - Pressure deicing
CX3010: 500 m³/h
CX3020: 900 m³/h

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Page	Title	GB	Titel	DE	Titre	FR	Last edit	
1	Project information		Projektinformationen		Renseignements sur le projet		24-09-2025	
4	Standards		Standards		Normes		27-02-2024	
4.1	Quick guide for language matrix		Kurzanleitung zur Sprachmatrix		Guide rapide pour la matrice linguistique		27-02-2024	
5	Component overview		Komponentenübersicht		Présentation des composants		07-03-2024	
8	Terminals -X5		Anschlüsse -X5		Bornes -X5		07-03-2024	
9	Terminals -X1_EXT(2)		Anschlüsse -X1_EXT(2)		Bornes -X1_EXT(2)		27-02-2024	
10	E-box lay-out		Aufbau der Elektronikbox		Disposition du boîtier électronique		08-09-2025	
11	Fuses & Terminals		Sicherungen und Anschlüsseklemmen		Fusibles et bornes		08-09-2025	
12	Main power		Hauptstromkreise		Principaux circuits d'alimentation		15-09-2025	
13	Main power		Hauptstromkreise		Principaux circuits d'alimentation		07-03-2024	
14	Wiring EXcon Master		Verdrahtung EXcon Master		Câblage du maître EXcon		10-09-2025	
15	Wiring EXT module (1)		Verdrahtung EXT module (1)		Câblage du module EXT (1)		15-09-2025	
16	Wiring EXT module (2)		Verdrahtung EXT module (2)		Câblage du module EXT (2)		10-09-2025	
17	PTH connections		PTH-Verbindungen		Connexions PTH		10-09-2025	
20	Configurations		Konfigurationen		Configurations		08-09-2025	
21	1: No coils		1: Keine Heiz-/Kühlregister		1: Pas de batterie		08-09-2025	
22	2: Water Heating Coil (HCW)		2: Wasserheizregister (HCW)		2: Atterie de chauffage à eau (HCW)		08-09-2025	
23	3: Electric Heating Coil (HCE)		3: Elektroheizregister (HCE)		3: Batterie de chauffage électrique (HCE)		08-09-2025	
24	4: Water Cooling Coil (CCW)		4: Wasserkühlregister (CCW)		4: Batterie de refroidissement à eau (CCW)		08-09-2025	
25	5: Electric Pre-heater		5: Elektrovorheizregister		5: Batterie de chauffage préliminaire électrique		08-09-2025	
26	6: HCW + CCW		6: HCW + CCW		6: HCW + CCW		08-09-2025	
27	7: HCE + CCW		7: HCE + CCW		7: HCE + CCW		08-09-2025	
28	8: Preheater + HCW		8: Vorheizregister + HCW		8: Préchauffeur + HCW		08-09-2025	
29	9: Preheater + CCW		9: Vorheizregister + CCW		9: Préchauffeur + CCW		08-09-2025	
30	10: Preheater + HCE		10: Vorheizregister + HCE		10: Préchauffeur + HCE		08-09-2025	
31	11: Preheater + HCW + CCW		11: Vorheizregister + HCW + CCW		11: Préchauffeur + HCW + CCW		08-09-2025	
32	11: Preheater + HCW + CCW		11: Vorheizregister + HCW + CCW		11: Préchauffeur + HCW + CCW		08-09-2025	
33	12: Preheater + HCE + CCW		12: Vorheizregister + HCE + CCW		12: Préchauffeur + HCE + CCW		08-09-2025	
34	12: Preheater + HCE + CCW		12: Vorheizregister + HCE + CCW		12: Préchauffeur + HCE + CCW		08-09-2025	
EXHAUSTO		Project: CX3010 & CX3020 - With AFC		Start date: 24-08-2022		Constructor: DKTSA	Page: 2	
				Revision date: 24-09-2025		Approved by: DKLEG	Previous page: 1	
Drawing number: 0400101		Revision: E		Page Title: Table of Contents		Replaces: Rev. D	Scale: 1:1	Next page: 3
				EC no.:		Format:	Pages in total: 43	

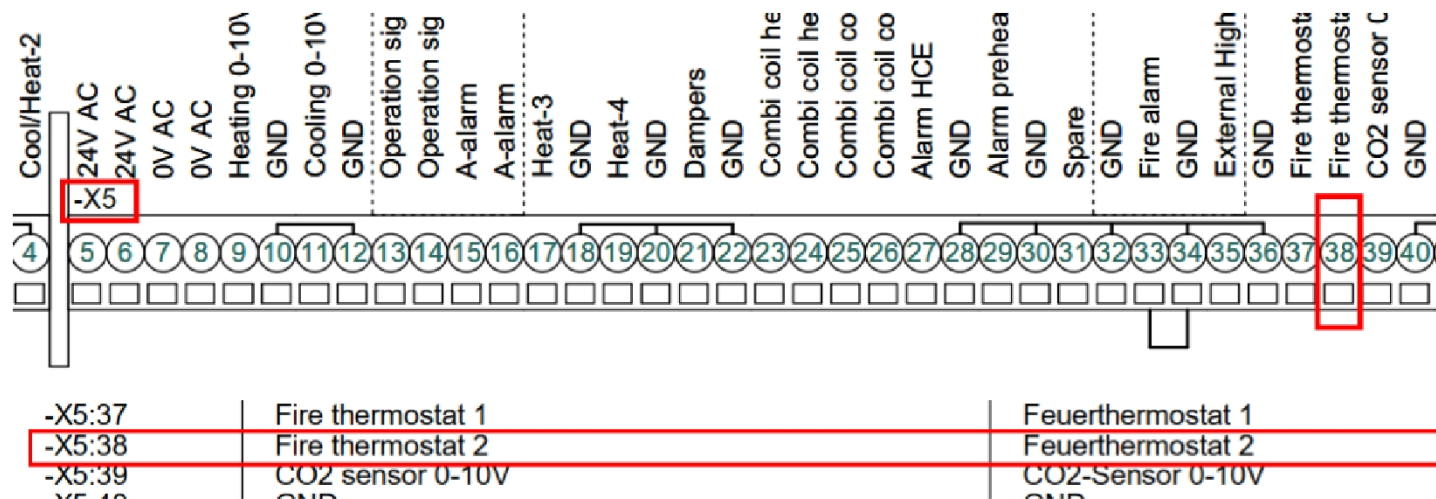
Identification of wires by colour				Labelling of cables and cores (according to IEC 62491)			

How to find the component description:
So finden Sie die Komponentenbeschreibung:
Comment trouver la description du composant:



-K30	Extension modul (2)	Extensionmodul (2)	Module d'extension (2)
-M1	Supply fan	Zuluftventilator	Ventilateur d'air soufflé
-M2	Exhaust fan	Fortluftventilator	Ventilateur d'air rejeté

How to find the terminal description:
So finden Sie die Terminalbeschreibung:
Comment trouver la description du terminal :



Component	Product aspects	GB	Produktaspekte	DE	Aspects du produit	FR
+A1	Control system panel		Automatiktafel		Tableau régulation	
+A2	CX-unit		CX-Gerät		Appareil CX	
+A3	Coil-box		Registerbox		Bloc batterie de chauffage	
+A4	Customer accessory		Kundenzubehör		Accessoires client	
-BG1	PIR sensor		PIR-Sensor		Capteur PIR	
-BQ1	CO2 sensor		CO2-Sensor		Sonde CO2	
-BQ2	Air quality sensor		Luftqualitätssensor		Capteur de qualité de l'air	
-E1	Electrical post-heater		Elektronachheizregister		Batterie de chauffage électrique, post-chauffage	
-E2	Electrical pre-heater		Elektrovorheizregister		Batterie de chauffage électrique, pré-chauffage	
-E3	Combi-coil		Kombiregister		Batterie multifonction	
-F1	Fuse for Main supply		Hauptsicherung		Fusible pour le tableau régulation	
-F2	Fuse for EXcon Master		Sicherung für EXcon Master		Fusible pour le EXcon Master	
-F3	Fuse for external connections		Sicherung für externen Anschluss		Fusible pour raccordement externe	
-F4	Fuse for Supply fan		Sicherung für Zuluftventilator		Fusible pour ventilateur d'air soufflé	
-F5	Fuse for Exhaust fan		Sicherung für Fortluftventilator		Fusible pour ventilateur d'air rejeté	
-K1	EXcon Master		EXcon Master		EXcon Master	
-K27	Extension modul (1)		Extensionmodul (1)		Module d'extension (1)	
-K30	Extension modul (2)		Extensionmodul (2)		Module d'extension (2)	
-M1	Supply fan		Zuluftventilator		Ventilateur d'air soufflé	
-M2	Exhaust fan		Fortluftventilator		Ventilateur d'air rejeté	
-M3	Bypass motor		Bypassmotor		Moteur de by-pass	
-M4	Circulation pump HCW		Zirkulationspumpe Wasserheizregister		Pompe de circulation Batterie de chauffage à eau	
-M5	Circulation pump CCW		Zirkulationspumpe Wasserkühlregister		Pompe de circulation Batterie de refroidissement àeau	
-M6	Circulation pump Combi-coil		Zirkulationspumpe Kombiregister		Pompe de circulation Batterie multifonction	
-M7	Outdoor air damper		Außenluftklappe		Registre d'air extérieur	
-M8	Outdoor air damper		Außenluftklappe		Registre d'air extérieur	
-P1	Measures pressure over the heat exchanger		Druckmessung über den Gegenstromwärmetauscher		Mesure de la pression au niveau de l'échangeur	
-P2	Supply airflow and extract filter pressure		Luftmengenmessung Zuluft und Filterüberwachung Abluft		Mesure de la pression, du niveau de débit d'air et de la température	
-P3	Extract airflow and outdoorfilter pressure		Luftmengenmessung Abluft und Filterüberwachung Außenluft		Mesure de la pression, du niveau de débit d'air et de la température	

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				Revision date:	24-09-2025	Approved by:	DKLEG	Previous page:	4.1
Drawing number:	Revision:	Page Title:	Component overview	Replaces:	Rev. D	Scale:	1:1	Next page:	6
				EC no.:		Format:		Pages in total:	43

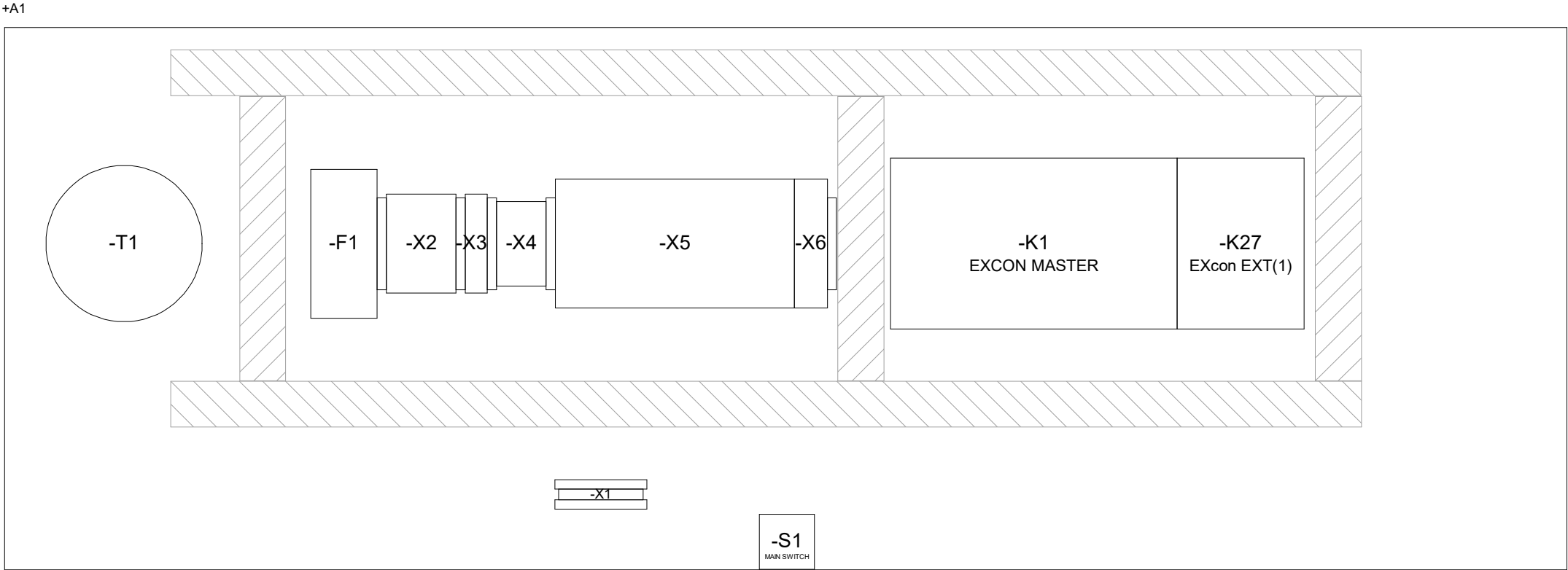
Component	Product aspects	GB	Produktaspekte	DE	Aspects du produit	FR
-P4	Constant pressure regulation supply air		Konstantdruckmessung Zuluft		Régulation de pression constante, air soufflé	
-P5	Constant pressure regulation extract air		Konstantdruckmessung Abluft		Régulation de pression constante, air extrait	
-P6	Filter box supply air		Zuluftfilterkasten		Boîte de filtration air soufflé	
-PH1	HMI standard		Standard Bedienteil 35"		IHM du poste de commande standard	
-PH2	HMI option		Optionales Bedienteil 20"		IHM du poste de commande des options	
-S1	Main switch		Hauptschalter		Interrupteur principal	
-T1	Power supply 230VAC/2x24VDC		Spannungsversorgung 230VAC/2x24VDC		Transformateur 230VAC/2x24VAC	
-TE1.1	Extract air temperature		Ablufttemperatursensor		Température de l'air extrait	
-TE1.2	Exhaust air temperature		Fortlufttemperatursensor		Température d'air rejeté	
-TE2.1	Outdoor air temperature		Außenlufttemperatursensor		Température extérieure	
-TE2.1-PRE	Outdoor air temperature (Pre-heater)		Außenlufttemperatursensor (Vorheizregister)		Température extérieure (préchauffage)	
-TE2.2	Supply air temperature		Zulufttemperatursensor		Température de l'air soufflé	
-TE-OT	Outdoor temperature		Außen temperatursensor		Température extérieure	
-TE-RPT	Clamp-on temp. sensor RPT HCW		Anlegesensor Rücklauf Wasserheizregister		Température d'alimentation de la batterie de refroidissement à eau	
-TE-RPT-CC	Clamp-on temp. sensor RPT Combi-Co		Anlegesensor Rücklauf Kombiregister		Température de retour de la batterie multifonction	
-TE-RT	Room temperature		Raumtemperatursensor		Température ambiante	
-TE-SPT	Clamp-on temp. sensor SPT CCW		Anlegesensor Rücklauf Kaltwassersatz		Température de retour de la Batterie de chauffage à eau	
-W1	Main power supply cable		Kabel Spannungsversorgung		Câble d'alimentation principale	
-X1	Terminals for Main supply		Anschlußklemmen für Spannungsversorgung		Bornier pour l'alimentation principale	
-X1_EXT(2)	Terminals for Coil-box		Anschlußklemmen für Registerbox		Bornier pour bloc batterie de chauffage	
-X2	Terminals for fans		Anschlußklemmen für Ventilatoren		Bornier pour les ventilateurs	
-X3	Terminal for fuses 24V		Anschlußklemmen für Sicherung 24V		Bornier pour les fusibles 24V	
-X4	Terminals for Circulation pumps 230V		Anschlußklemmen für Zirkulationspumpen 230V		Bornier pour les pompes de circulation 230V	
-X5	Terminals for External customer connections		Anschlußklemmen für externen Anschluss		Bornier pour raccordement externe	
-X6	Terminals for External customer connections		Anschlußklemmen für externen Anschluss		Bornier pour raccordement externe	
-X_BP	Plug bypass motor		Anschluss für Bypassmotor		Prise de moteur by-pass	
-X_FAN EX	Plug Exhaust fan		Anschluss für Abluftventilator		Prise de ventilateur d'air extrait	
-X_FAN SU	Plug Supply fan		Anschluss für Zuluftventilator		Prise de ventilateur d'air soufflé	
-X_M1	Plug Supply fan		Anschluss für Zuluftventilator		Prise de ventilateur d'air soufflé	

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0400101		E							

Terminal	Function	GB	Funktion	DE	Fonction	FR
-X5:1	Cool/Heat-1		Kühlen/Heizen-1		Refroidissement/Chauffage-1	
-X5:2	Cool/Heat-1		Kühlen/Heizen-1		Refroidissement/Chauffage-1	
-X5:3	Cool/Heat-2		Kühlen/Heizen-2		Refroidissement/Chauffage-2	
-X5:4	Cool/Heat-2		Kühlen/Heizen-2		Refroidissement/Chauffage-2	
-X5:5	24V AC		24 V Wechselstrom		24 V CA	
-X5:6	24V AC		24 V Wechselstrom		24 V CA	
-X5:7	0V AC		0 V Wechselstrom		0 V CA	
-X5:8	0V AC		0 V Wechselstrom		0 V CA	
-X5:9	Heating 0-10V		Heizung 0-10V		Chauffage 0-10V	
-X5:10	GND		GND		GND	
-X5:11	Cooling 0-10V		Kühlung 0-10V		Refroidissement 0-10V	
-X5:12	GND		GND		GND	
-X5:13	Operation signal		Betriebssignal		Signal de fonctionnement	
-X5:14	Operation signal		Betriebssignal		Signal de fonctionnement	
-X5:15	A-alarm		A-Alarm		Alarme A	
-X5:16	A-alarm		A-Alarm		Alarme A	
-X5:17	Heat-3		Hitze-3		Chaleur-3	
-X5:18	GND		GND		GND	
-X5:19	Heat-4		Hitze-4		Chaleur-4	
-X5:20	GND		GND		GND	
-X5:21	Dampers		Dämpfer		Amortisseurs	
-X5:22	GND		GND		GND	
-X5:23	Combi coil heat		Kombi-Spulenheizung		Chauffage à serpentin combiné	
-X5:24	Combi coil heat		Kombi-Spulenheizung		Chauffage à serpentin combiné	
-X5:25	Combi coil cool		Kombispule cool		Batterie combinée froide	
-X5:26	Combi coil cool		Kombispule cool		Batterie combinée froide	
-X5:27	Alarm HCE		Alarm HCE		Alarme HCE	
-X5:28	GND		GND		GND	
-X5:29	Alarm preheater		Alarmvorwärmer		Préchauffeur d'alarme	
-X5:30	GND		GND		GND	
-X5:31	Spare		Nicht benutzt		Non utilisé	
-X5:32	GND		GND		GND	
-X5:33	Fire alarm		Feueralarm		Alarme incendie	
-X5:34	GND		GND		GND	
-X5:35	External High Speed		Externe hohe Geschwindigkeit		Haute vitesse externe	
-X5:36	GND		GND		GND	
-X5:37	Fire thermostat 1		Feuerthermostat 1		Thermostat d'incendie 1	
-X5:38	Fire thermostat 2		Feuerthermostat 2		Thermostat d'incendie 2	
-X5:39	CO2 sensor 0-10V		CO2-Sensor 0-10V		Capteur CO2 0-10V	
-X5:40	GND		GND		GND	
-X5:41	PT1000-1		PT1000-1		PT1000-1	
-X5:42	GND		GND		GND	
-X5:43	PT1000-2		PT1000-2		PT1000-2	
-X5:44	GND		GND		GND	
-X5:45	Supply air temp.		Zulufttemp.		Température de l'air soufflé.	
-X5:46	GND		GND		GND	

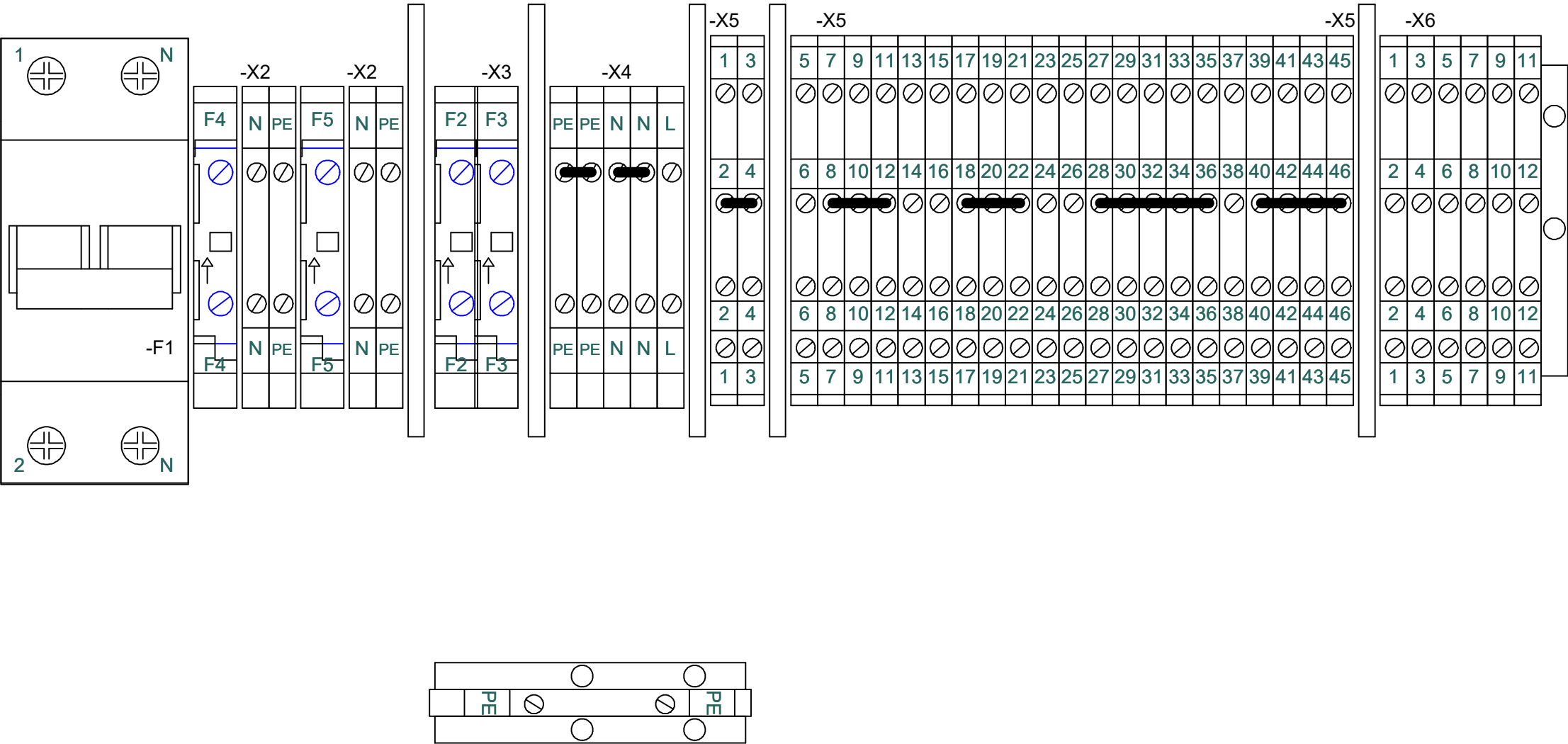
Terminal	Function	GB	Funktion	DE	Fonction	FR
-X1_EXT(2):1 -X1_EXT(2):2 -X1_EXT(2):3 -X1_EXT(2):4 -X1_EXT(2):5 -X1_EXT(2):6 -X1_EXT(2):7 -X1_EXT(2):8 -X1_EXT(2):9 -X1_EXT(2):10 -X1_EXT(2):11 -X1_EXT(2):12 -X1_EXT(2):13 -X1_EXT(2):14 -X1_EXT(2):15 -X1_EXT(2):16	Circulation pump HCW Neutral Circulation pump CCW Neutral EXT Heating 0-10V GND EXT Cooling 0-10V GND Temperature RPT HCW GND Temperatue SPT CCW GND 24 VAC GND 24 VAC 0 VAC		Umwälzpumpe HCW Neutral Umwälzpumpe CCW Neutral EXT Heizung 0-10V GND EXT Kühlung 0-10V GND Temperatur RPT HCW GND Temperatur SPT CCW GND 24 VAC GND 24 VAC 0 VAC		Pompe de circulation HCW Neutre Pompe de circulation CCW Neutre Chauffage EXT 0-10V GND Refroidissement EXT 0-10V GND Température RPT HCW GND Température SPT CCW GND 24 VCA GND 24 VCA 0 VCA	

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0400101	E	Terminals -X1_EXT(2)						



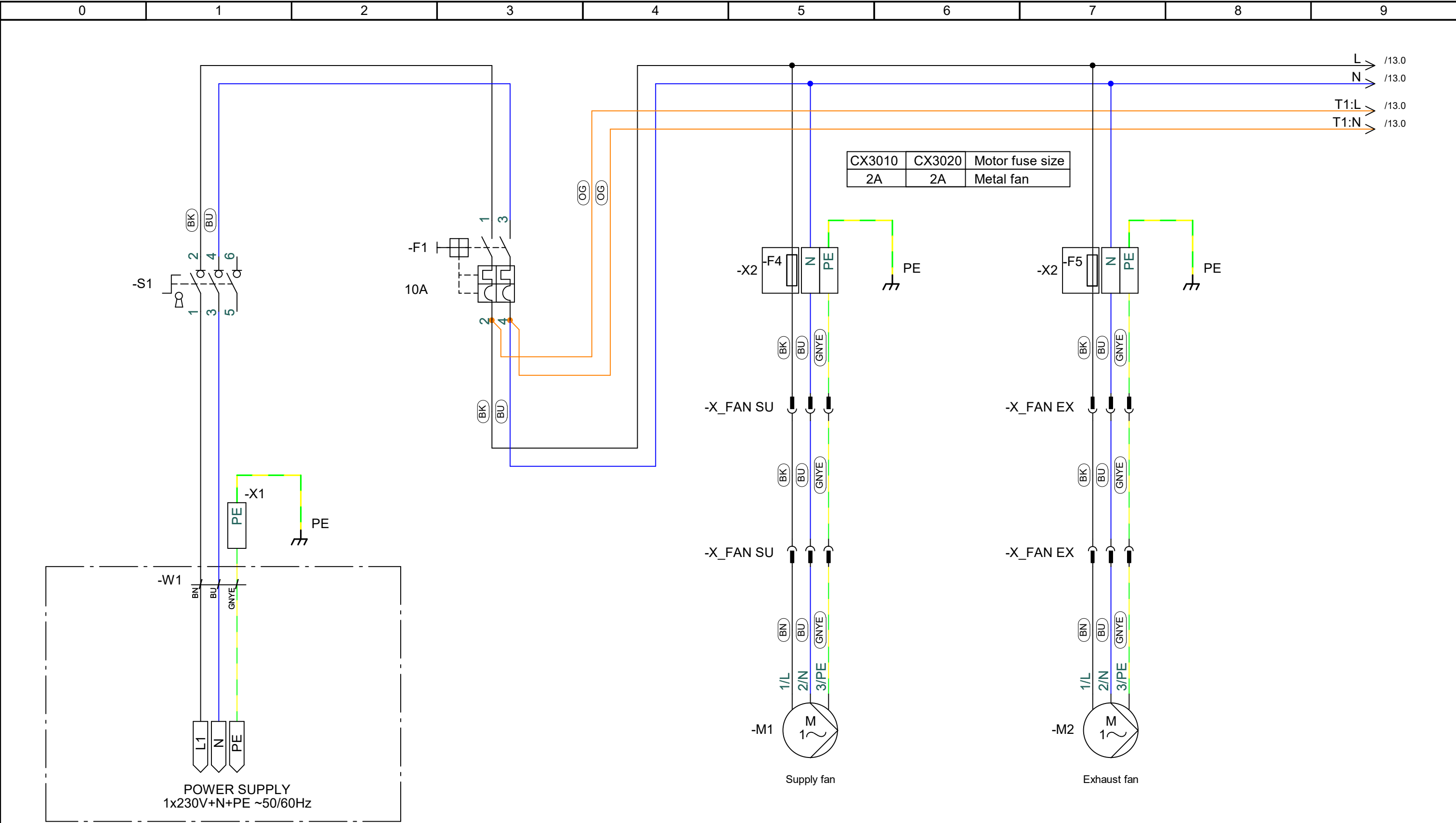
Produktraspekte auf Seite 5 bis 7 und Terminalfunktionen Seite 8 und 9
Aspects produits aux pages 5 à 7 et fonctions du terminal aux pages 8 et 9

EXHAUSTO Drawing number: 0400101		Project: CX3010 & CX3020 - With AFC	Start date: 24-08-2022	Constructor: DKTSA	Page: 10
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Revision: E	Page Title: E-box lay-out		Replaces: Rev. D	Scale: 1:3	Next page: 11
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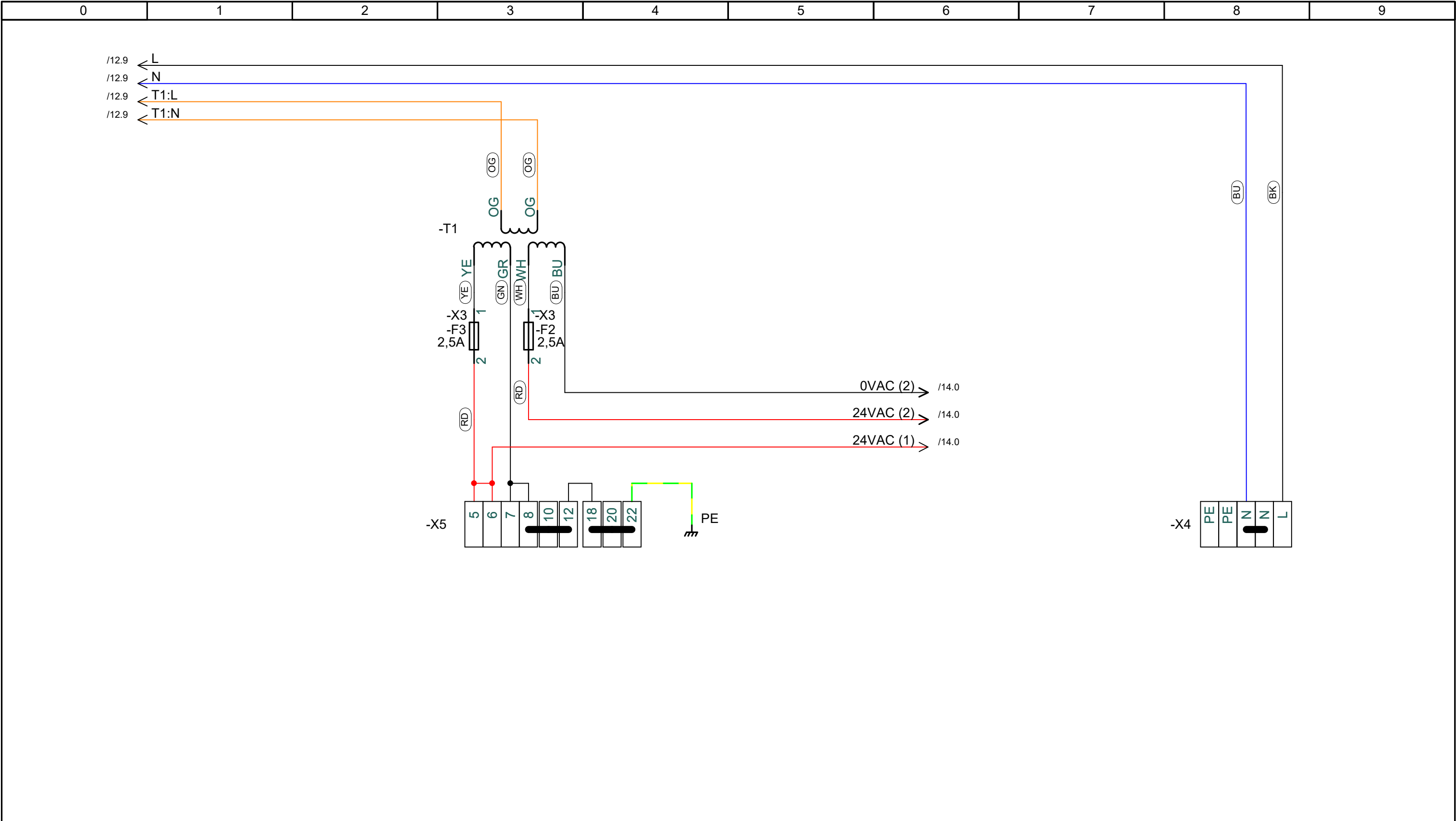
Produktaspekte auf Seite 5 bis 7 und Terminalfunktionen Seite 8 und 9
Aspects produits aux pages 5 à 7 et fonctions du terminal aux pages 8 et 9

EXHAUSTO		Project: CX3010 & CX3020 - With AFC	Start date:	24-08-2022	Constructor:	DKTSA	Page:	11
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Drawing number: 0400101	Revision: E	Page Title: Fuses & Terminals	Replaces:	Rev. D	Scale:	1:1	Next page:	12
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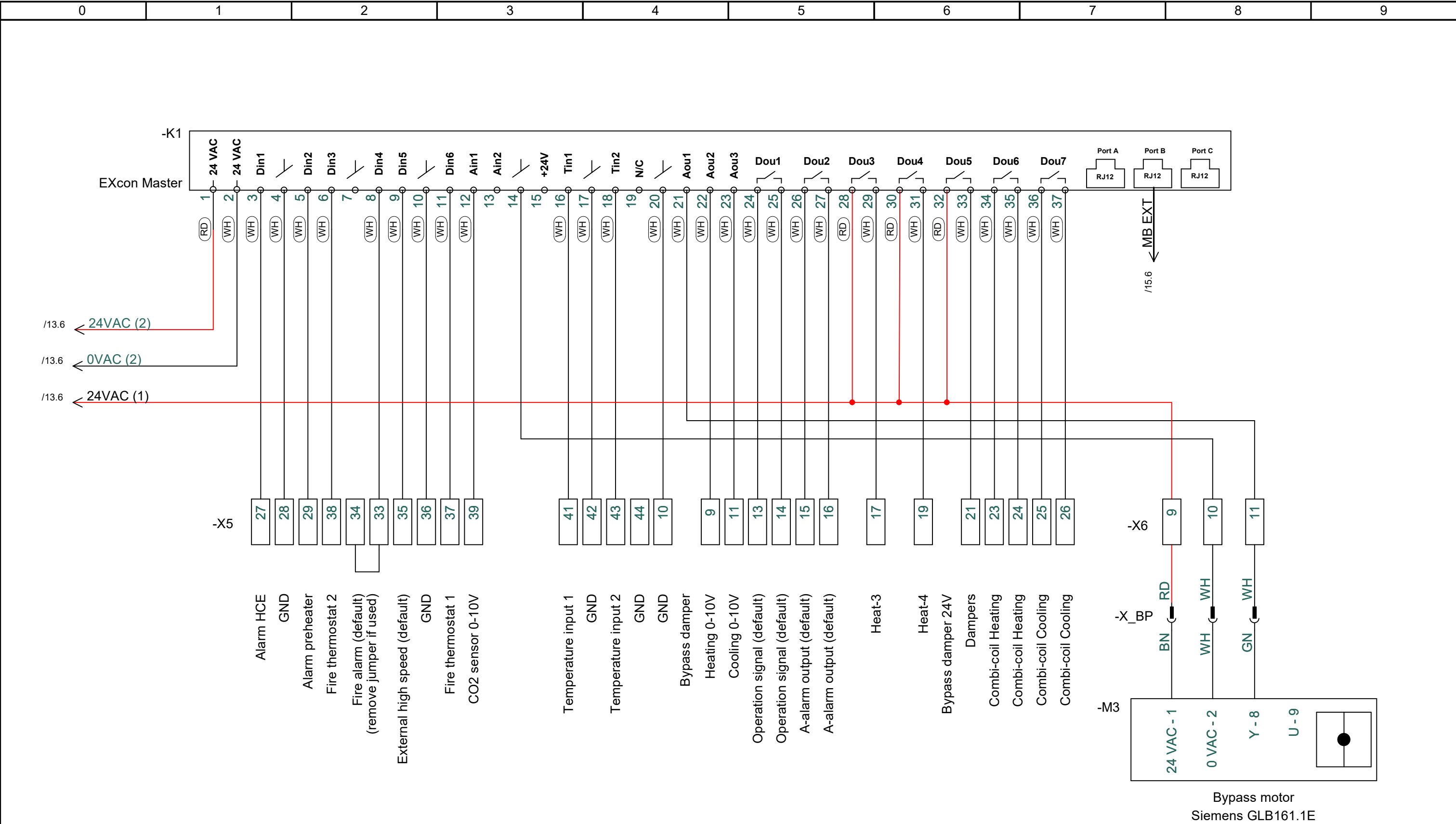
Produktaspekte auf Seite 5 bis 7 und Terminalfunktionen Seite 8 und 9
Aspects produits aux pages 5 à 7 et fonctions du terminal aux pages 8 et 9

EXHAUSTO		Project: CX3010 & CX3020 - With AFC	Start date:	24-08-2022	Constructor:	DKTSA	Page:	12
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Drawing number: 0400101	Revision: E	Page Title: Main power	Replaces:	Rev. D	Scale:	1:1	Next page:	13
			EC no.:		Format:		Pages in total:	43



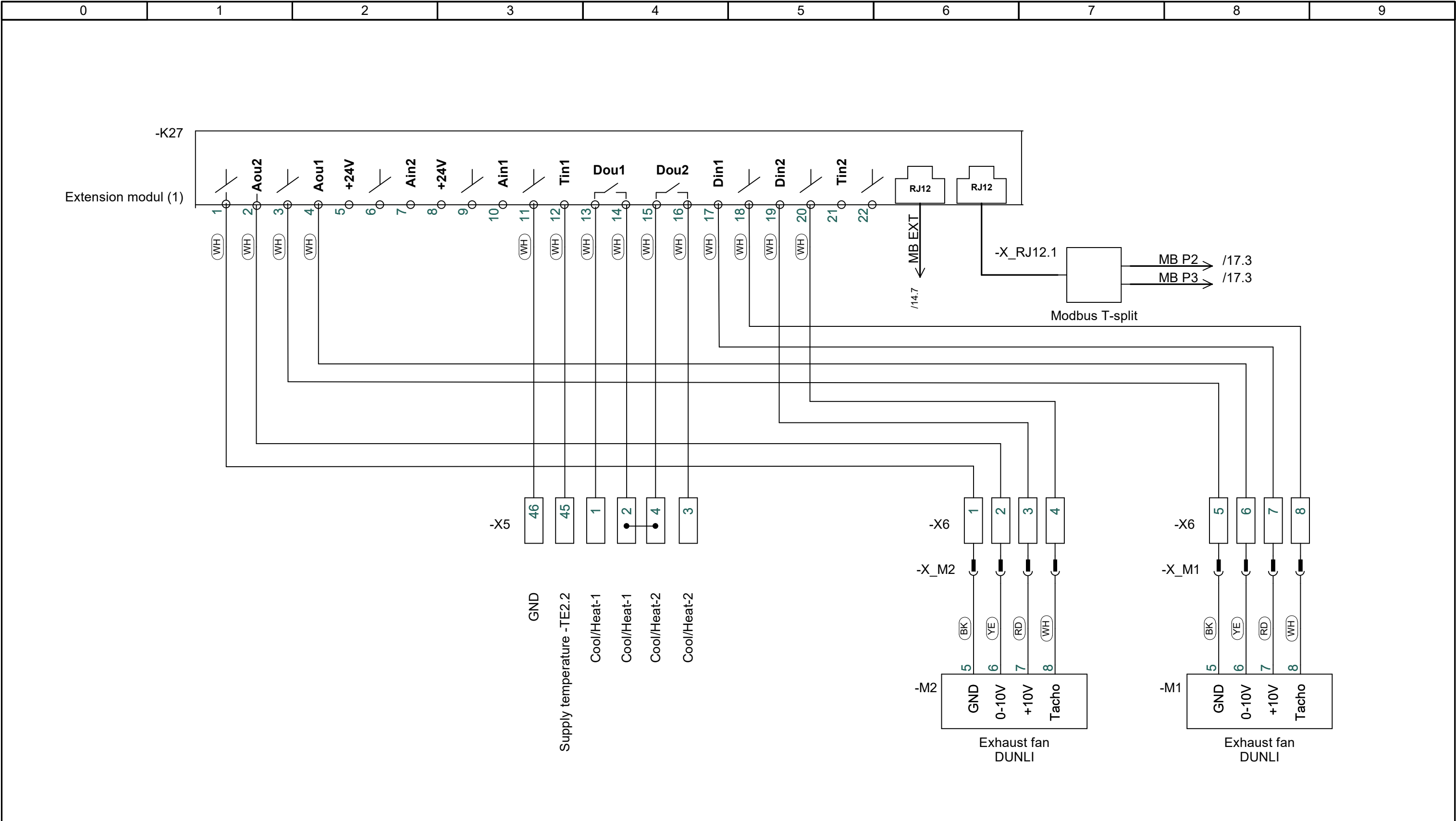
Produktaspekte auf Seite 5 bis 7 und Terminalfunktionen Seite 8 und 9
Aspects produits aux pages 5 à 7 et fonctions du terminal aux pages 8 et 9

EXHAUSTO		Project: CX3010 & CX3020 - With AFC	Start date:	24-08-2022	Constructor:	DKTSA	Page:	13
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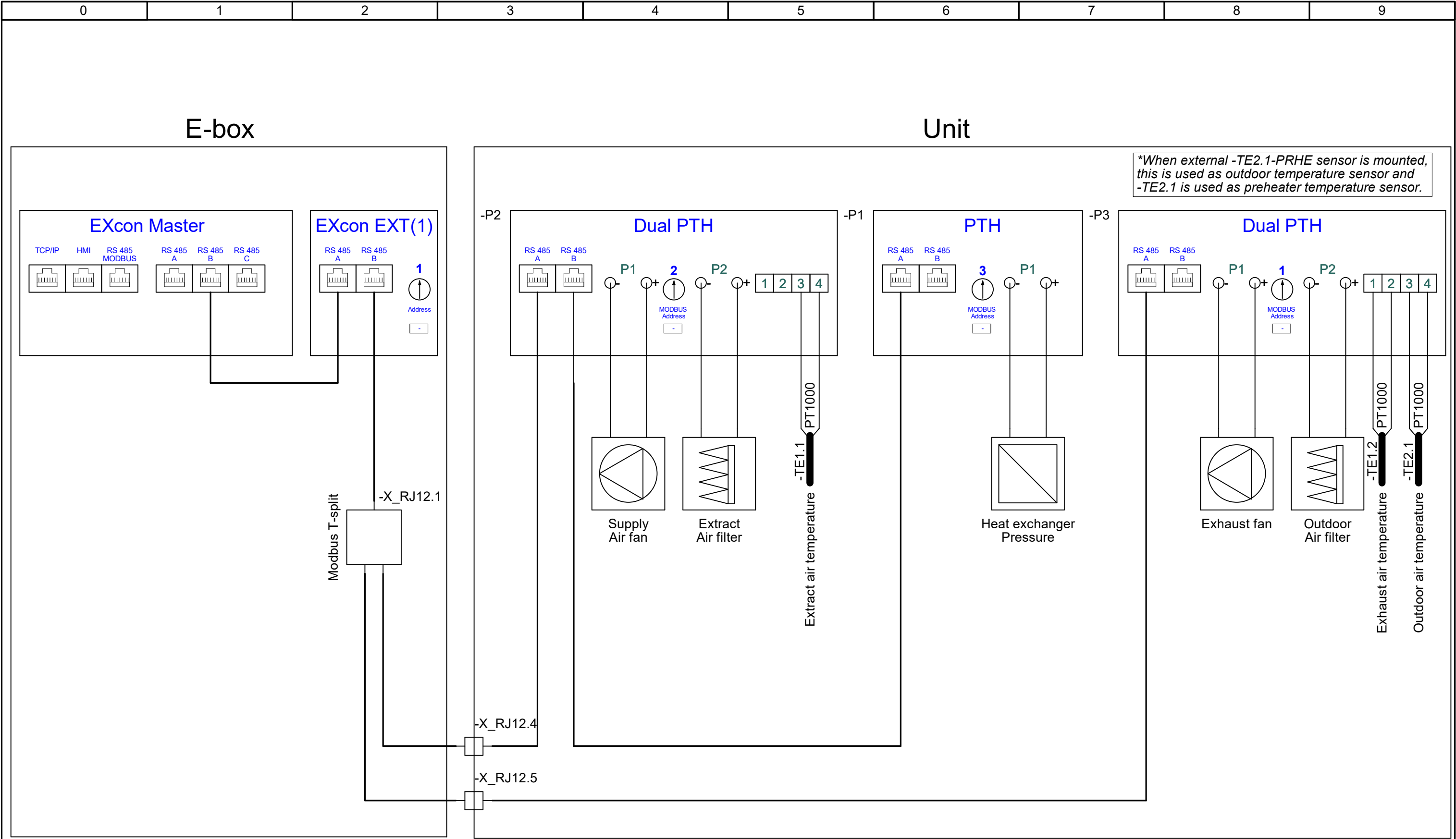
Produktaspekte auf Seite 5 bis 7 und Terminalfunktionen Seite 8 und 9
Aspects produits aux pages 5 à 7 et fonctions du terminal aux pages 8 et 9

EXHAUSTO		Project: CX3010 & CX3020 - With AFC	Start date:	24-08-2022	Constructor:	DKTSA	Page:	14
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Drawing number: 0400101	Revision: E	Page Title: Wiring EXcon Master	Replaces:	Rev. D	Scale:	1:1	Next page:	15
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Produktaspekte auf Seite 5 bis 7 und Terminalfunktionen Seite 8 und 9
Aspects produits aux pages 5 à 7 et fonctions du terminal aux pages 8 et 9

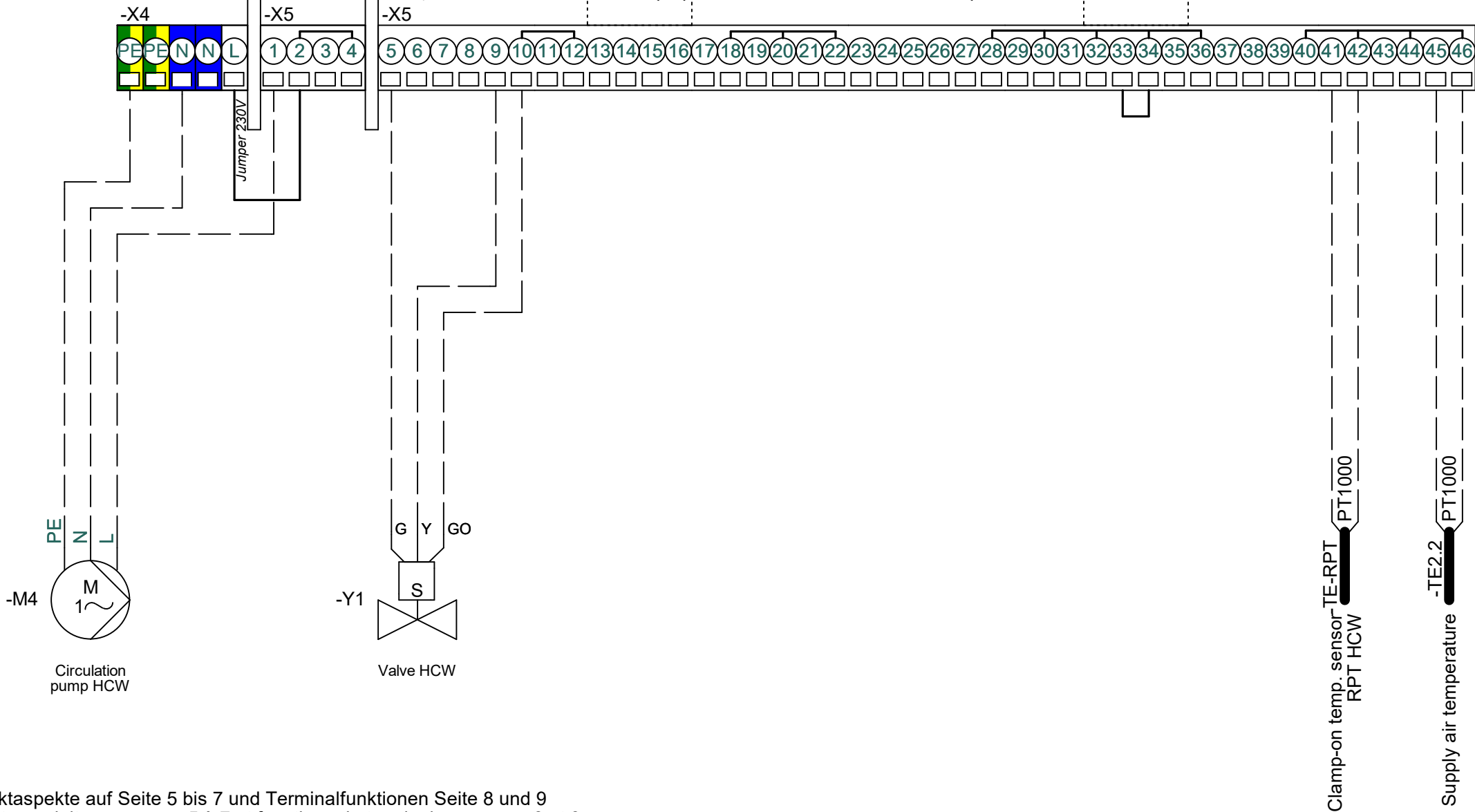
EXHAUSTO		Project: CX3010 & CX3020 - With AFC	Start date:	24-08-2022	Constructor:	DKTSA	Page:	15
			Revision date:	24-09-2025	Approved by:	DKLEG	Previous page:	14
Drawing number: 0400101	Revision: E	Page Title: Wiring EXT module (1)	Replaces:	Rev. D	Scale:	1:1	Next page:	16
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Configurations

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			Revision date: 24-09-2025	Approved by: DKLEG	Previous page: 17
Drawing number: 0400101	Revision: E	Page Title: Configurations	Replaces: Rev. D	Scale: 1:1	Next page: 21
			EC no.:	Format:	Pages in total: 43

Configuration 2: Water Heating Coil



Note #1
Default configuration.
Can be changed to:

- B-alarm output
- Alarm reset
- Summer operation
- Summer night cooling

Note #2
Default configuration.
Can be changed to:

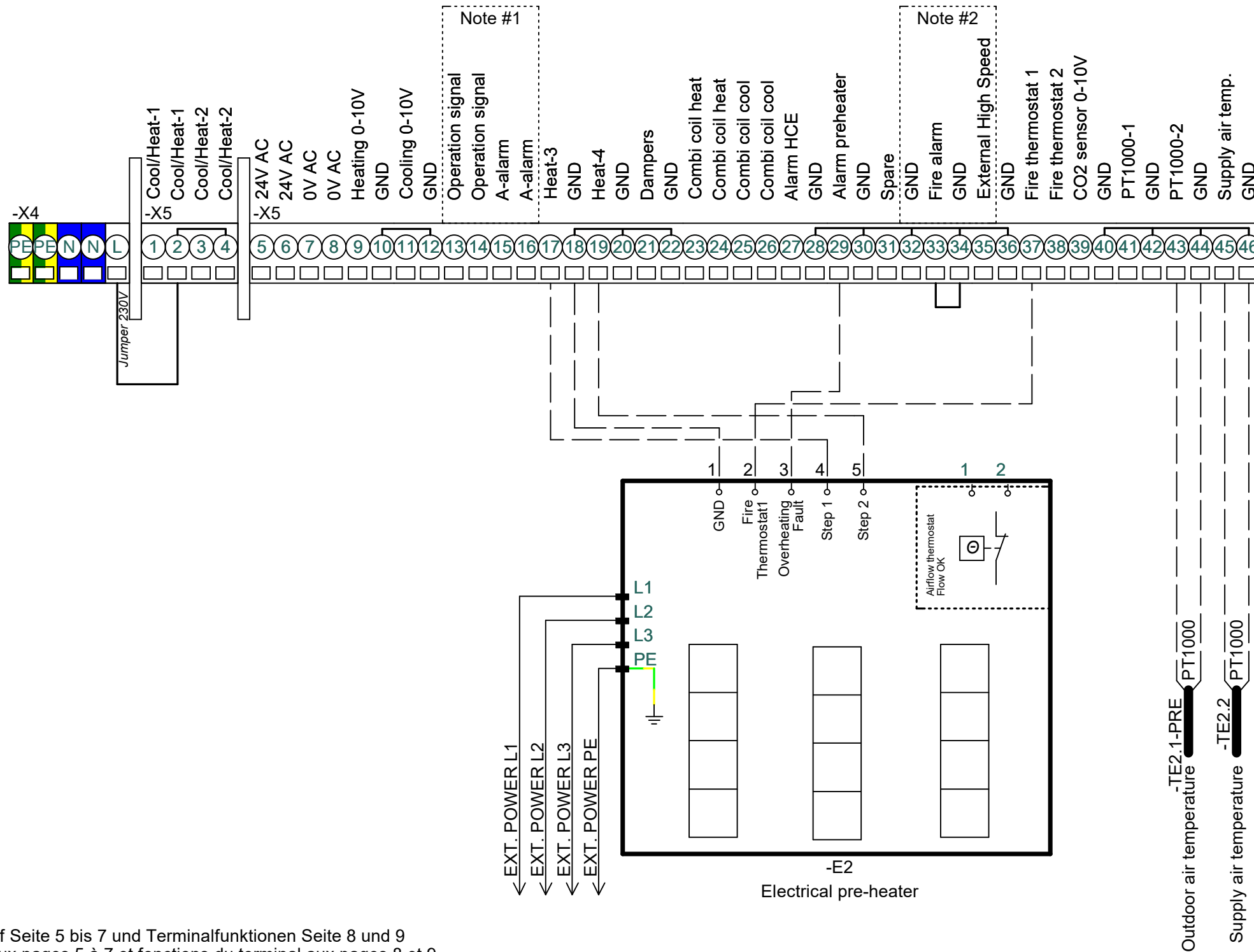
- AHU STOP
- Low speed
- Medium speed
- Frost alarm
- External start
- External reset alarms

If used remove jumper

* Supply air temperature sensor must be mounted in supply air duct after heating and cooling coils

Produktaspekte auf Seite 5 bis 7 und Terminalfunktionen Seite 8 und 9
Aspects produits aux pages 5 à 7 et fonctions du terminal aux pages 8 et 9

Configuration 5: Electric Pre-heater



Note #1
Default configuration.
Can be changed to:

- B-alarm output
- Alarm reset
- Summer operation
- Summer night cooling

Note #2
Default configuration.
Can be changed to:

- AHU STOP
- Low speed
- Medium speed
- Frost alarm
- External start
- External reset alarms

If used remove jumper

* Heater Step 2 are only used in the high performance heaters

* Outdoor air temperature sensor must be mounted in the outside air duct, before the preheating coil.

* Supply air temperature sensor must be mounted in supply air duct after heating and cooling coils

Produktaspekte auf Seite 5 bis 7 und Terminalfunktionen Seite 8 und 9
Aspects produits aux pages 5 à 7 et fonctions du terminal aux pages 8 et 9

EXHAUSTO

Drawing number:
0400101

Revision: E

Project:

CX3010 & CX3020 - With AFC

Page Title:

5: Electric Pre-heater

Start date:	24-08-2022
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Revision date: 24-09-2025

Constructor: DKTSA

Approved by: DKLEG

Page: 25

Previous page:	24
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Replaces:	Rev. D
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Scale: 1:1

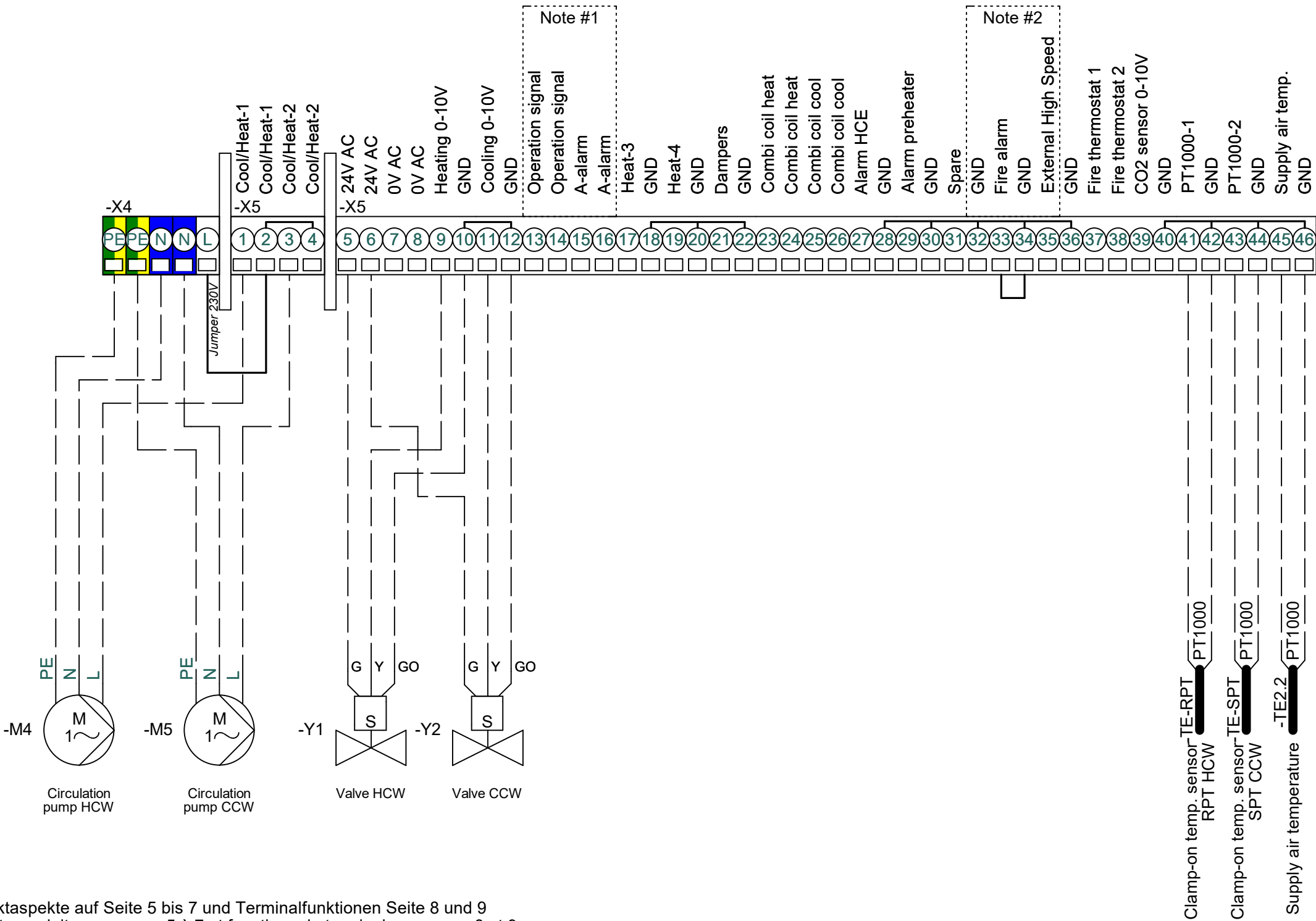
Next page:	26
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EC no.:

Format:

Pages in total:	43
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Configuration 6: Water Heating Coil + Water cooling coil



Note #1
Default configuration.
Can be changed to:
- B-alarm output
- Alarm reset
- Summer operation
- Summer night cooling

Note #2
Default configuration.
Can be changed to:
- AHU STOP
- Low speed
- Medium speed
- Frost alarm
- External start
- External reset alarms

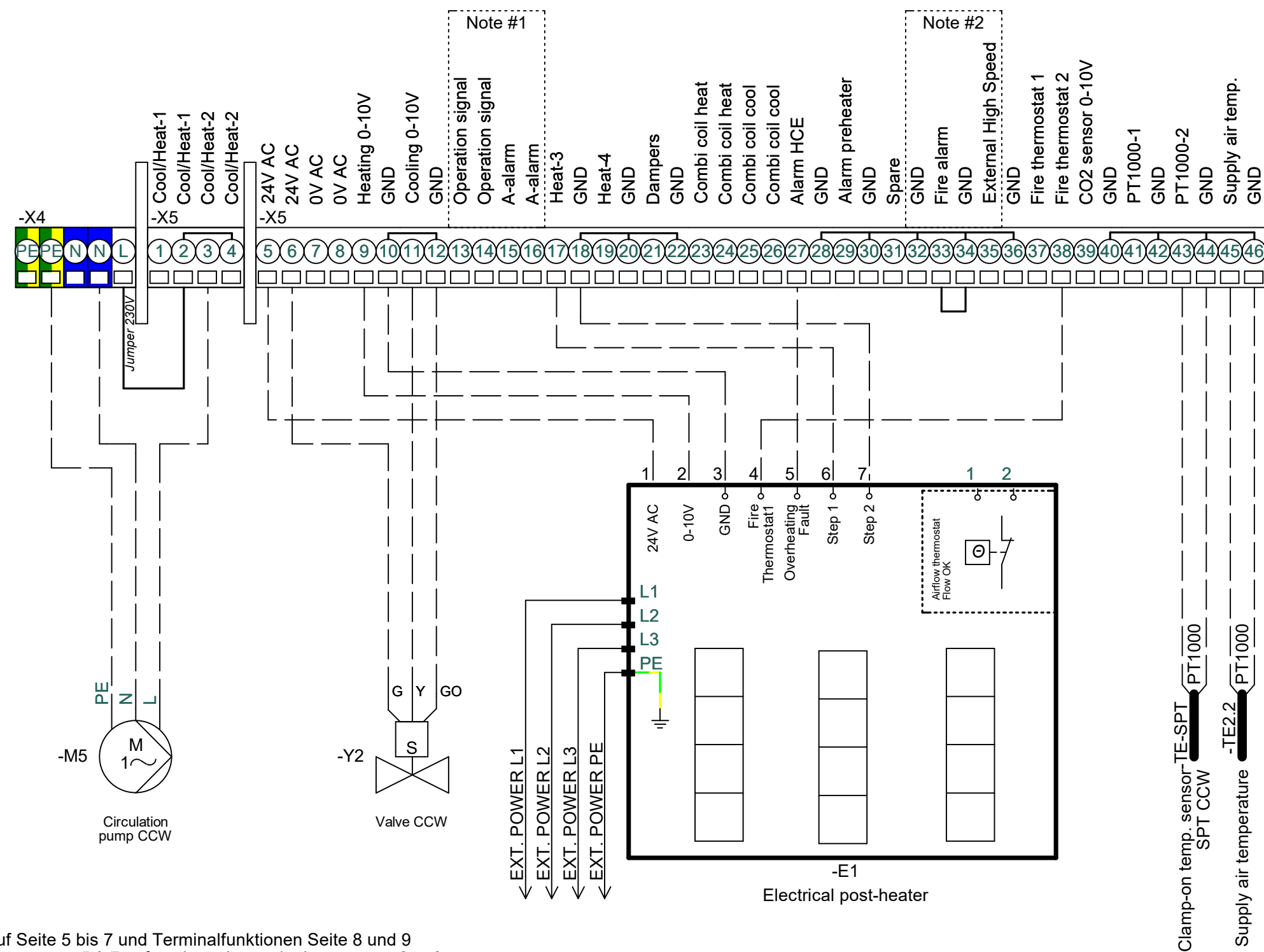
If used remove jumper

* Supply air temperature sensor must be mounted in supply air duct after heating and cooling coils

Produktaspekte auf Seite 5 bis 7 und Terminalfunktionen Seite 8 und 9
Aspects produits aux pages 5 à 7 et fonctions du terminal aux pages 8 et 9

EXHAUSTO		Project: CX3010 & CX3020 - With AFC	Start date:	24-08-2022	Constructor:	DKTSA	Page:	26
			Revision date:	24-09-2025	Approved by:	DKLEG	Previous page:	25
Drawing number: 0400101	Revision: E	Page Title: 6: HCW + CCW	Replaces:	Rev. D	Scale:	1:1	Next page:	27
			EC no.:		Format:		Pages in total:	43

Connections configuration 7: Electric Heating Coil + Water Cooling Coil



Note #1
Default configuration.
Can be changed to:
- B-alarm output
- Alarm reset
- Summer operation
- Summer night cooling

Note #2
Default configuration.
Can be changed to:
- AHU STOP
- Low speed
- Medium speed
- Frost alarm
- External start
- External reset alarms
If used remove jumper

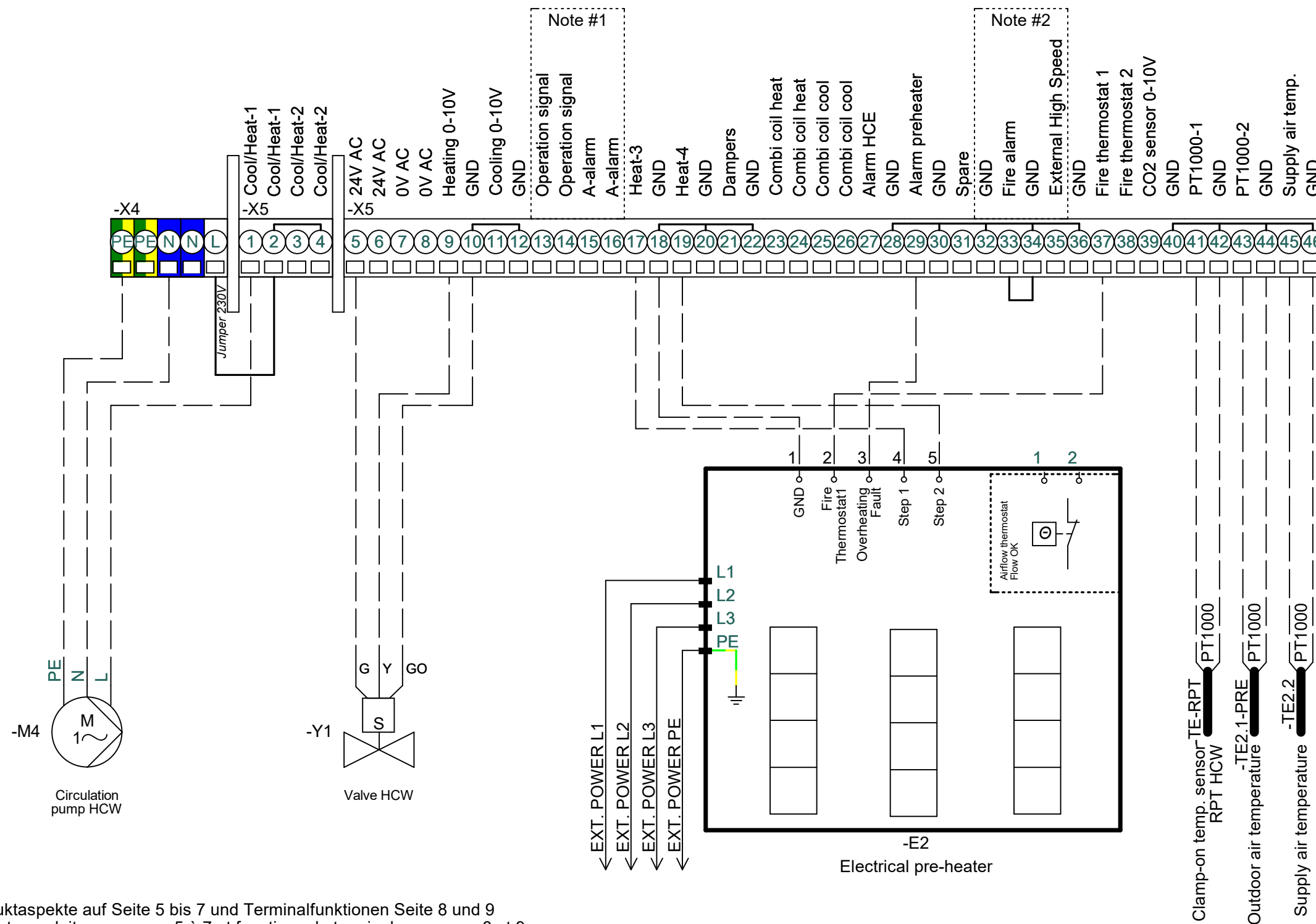
* Heater Step 2 are only used
in the high performance heaters

* Supply air temperature sensor must be mounted
in supply air duct after heating and cooling coils

Produktspekte auf Seite 5 bis 7 und Terminalfunktionen Seite 8 und 9
Aspects produits aux pages 5 à 7 et fonctions du terminal aux pages 8 et 9

EXHAUSTO		Project: CX3010 & CX3020 - With AFC	Start date:	24-08-2022	Constructor:	DKTSA	Page:	27
			Revision date:	24-09-2025	Approved by:	DKLEG	Previous page:	26
Drawing number: 0400101	Revision: E	Page Title: 7: HCE + CCW	Replaces:	Rev. D	Scale:	1:1	Next page:	28
			EC no.:		Format:		Pages in total:	43

Connections configuration 8: Electric Preheating Coil + Water Heating Coil



Note #1
Default configuration.
Can be changed to:
- B-alarm output
- Alarm reset
- Summer operation
- Summer night cooling

Note #2
Default configuration.
Can be changed to:

- AHU STOP
- Low speed
- Medium speed
- Frost alarm
- External start
- External reset alarms

If used remove jumper	
-----------------------	--

* Heater Step 2 are only used in the high performance heaters

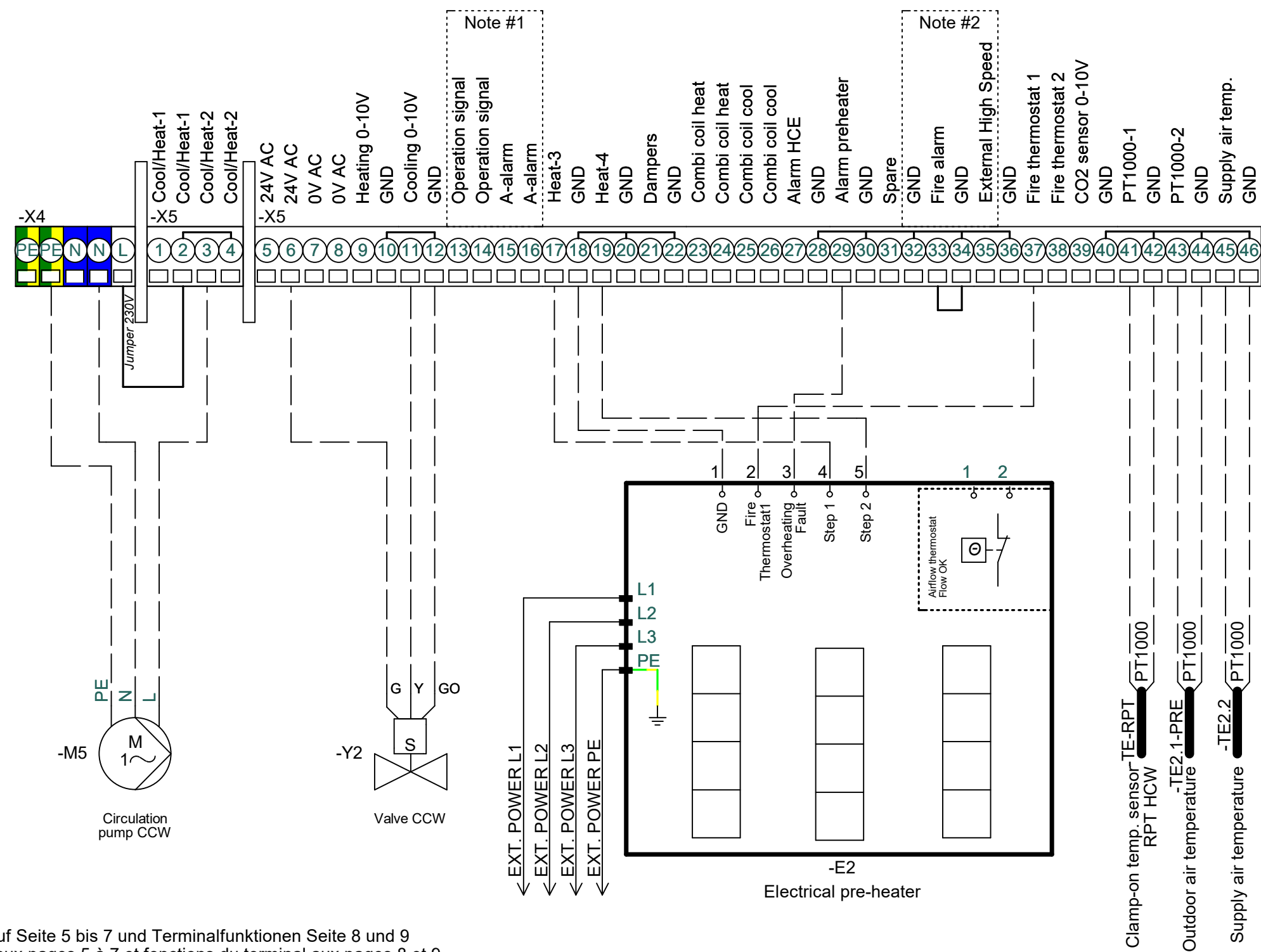
* Outdoor air temperature sensor must be mounted in the outside air duct, before the preheating coil.

* Supply air temperature sensor must be mounted in supply air duct after heating and cooling coils

Produktaspekte auf Seite 5 bis 7 und Terminalfunktionen Seite 8 und 9
Aspects produits aux pages 5 à 7 et fonctions du terminal aux pages 8 et 9

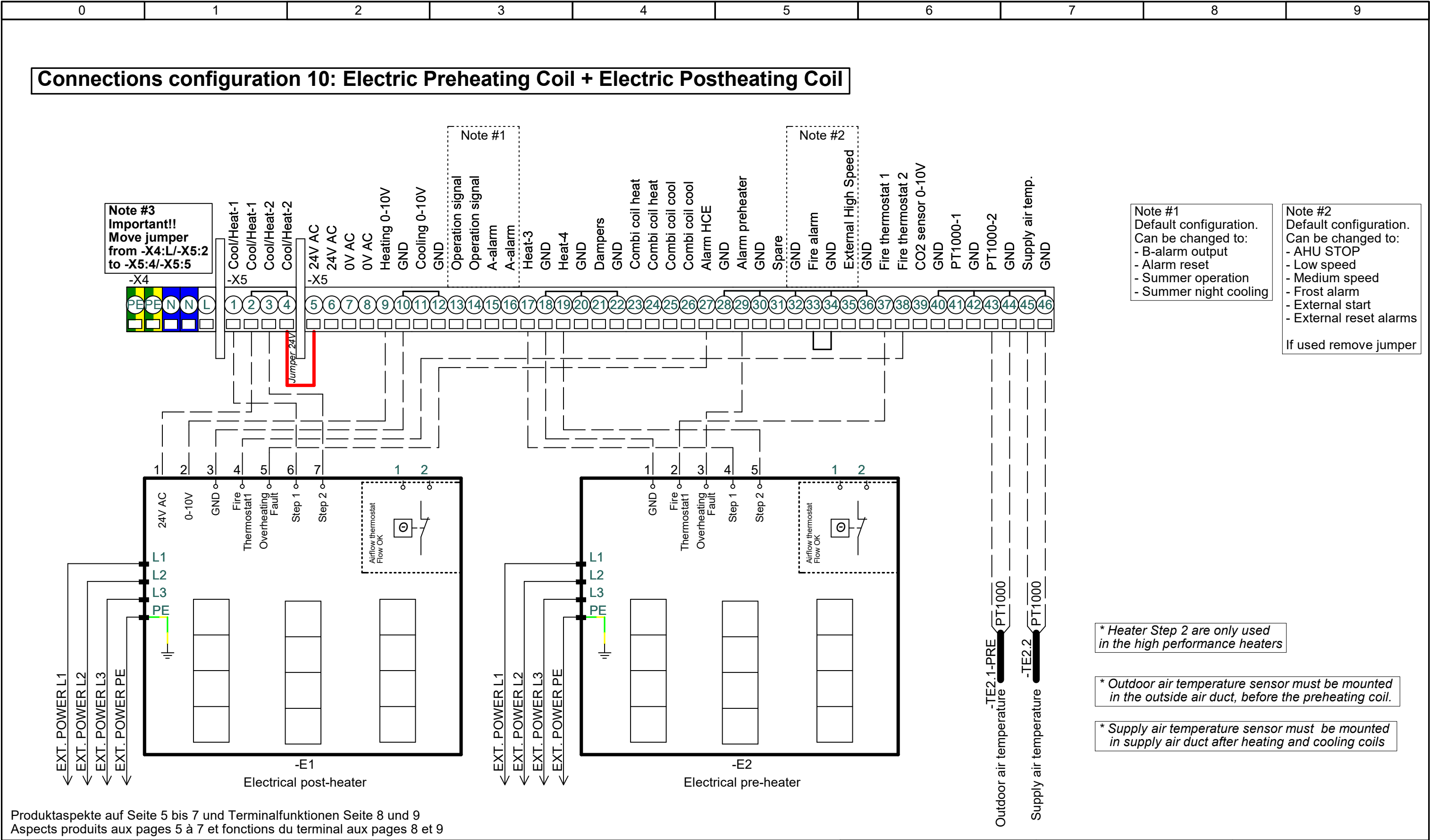
EXHAUSTO		Project: CX3010 & CX3020 - With AFC	Start date: 24-08-2022	Constructor: DKTSA	Page: 28
			Revision date: 24-09-2025	Approved by: DKLEG	Previous page: 27
Drawing number: 0400101	Revision: E	Page Title: 8: Preheater + HCW	Replaces: Rev. D	Scale: 1:1	Next page: 29
			EC no.:	Format:	Pages in total: 43

Connections configuration 9: Electric Preheating Coil + Water Cooling Coil



Produktaspekte auf Seite 5 bis 7 und Terminalfunktionen Seite 8 und 9
Aspects produits aux pages 5 à 7 et fonctions du terminal aux pages 8 et 9

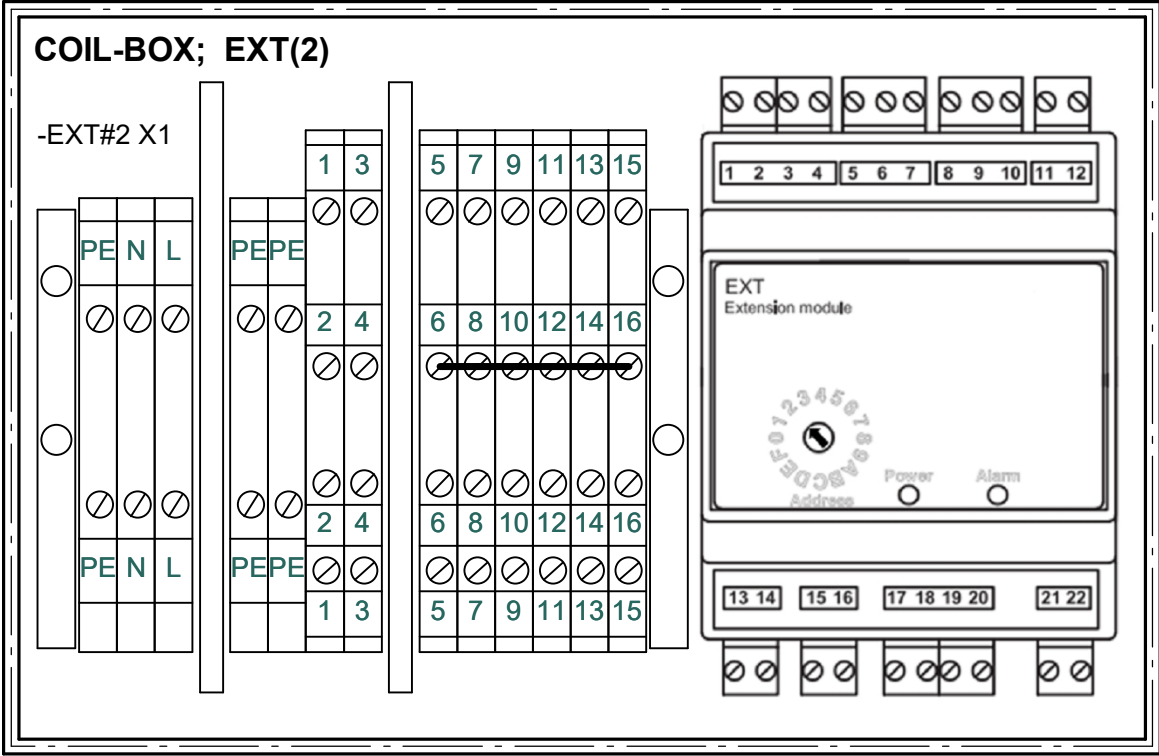
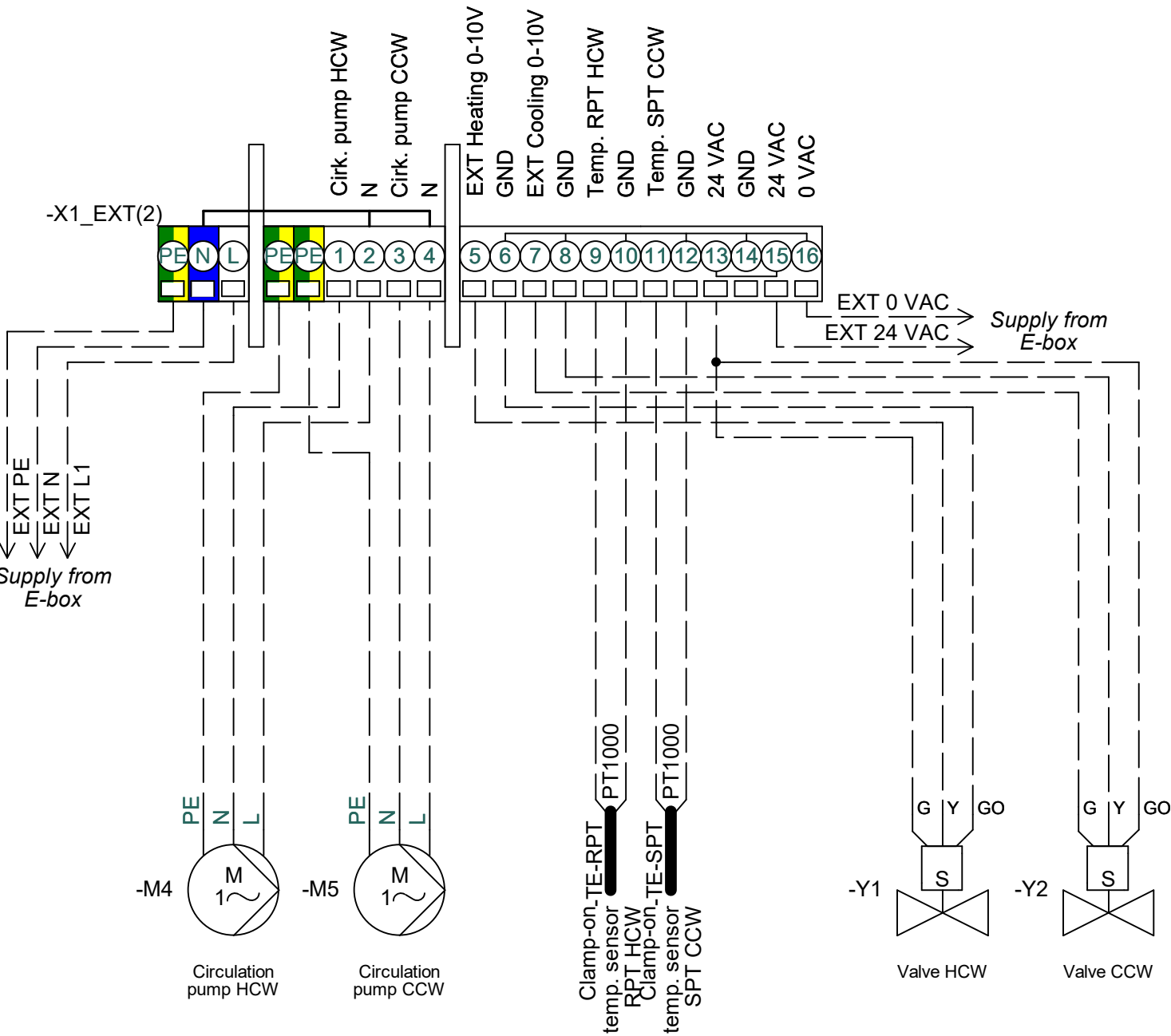
EXHAUSTO		Project: CX3010 & CX3020 - With AFC	Start date:	24-08-2022	Constructor:	DKTSA	Page:	29
			Revision date:	24-09-2025	Approved by:	DKLEG	Previous page:	28
Drawing number: 0400101	Revision: E	Page Title: 9: Preheater + CCW	Replaces:	Rev. D	Scale:	1:1	Next page:	30
			EC no.:		Format:		Pages in total:	43



Start date:	24-08-2022	Constructor:	DKTSA	Page:	31
Revision date:	24-09-2025	Approved by:	DKLEG	Previous page:	30
Replaces:	Rev. D	Scale:	1:1	Next page:	32
EC no.:		Format:		Pages in total:	43

Configuration 11: Preheater + Water Heating Coil + Water Cooling Coil

Continued from page 31

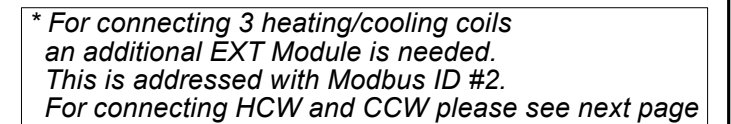


Note #1
Modbus connection to EXcon Master in E-box

Produktaspekte auf Seite 5 bis 7 und Terminalfunktionen Seite 8 und 9
Aspects produits aux pages 5 à 7 et fonctions du terminal aux pages 8 et 9

EXHAUSTO		Project: CX3010 & CX3020 - With AFC	Start date:	24-08-2022	Constructor:	DKTSA	Page:	32
			Revision date:	24-09-2025	Approved by:	DKLEG	Previous page:	31
Drawing number: 0400101	Revision: E	Page Title: 11: Preheater + HCW + CCW	Replaces:	Rev. D	Scale:	1:1	Next page:	33
			EC no.:		Format:		Pages in total:	43

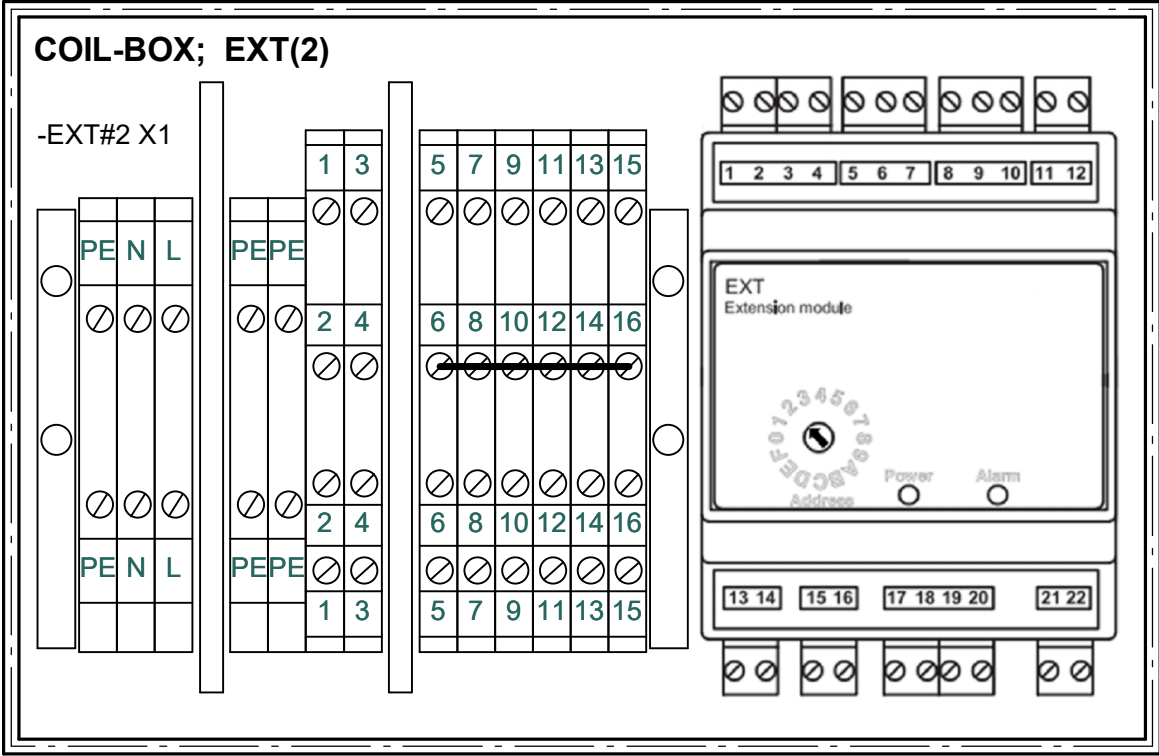
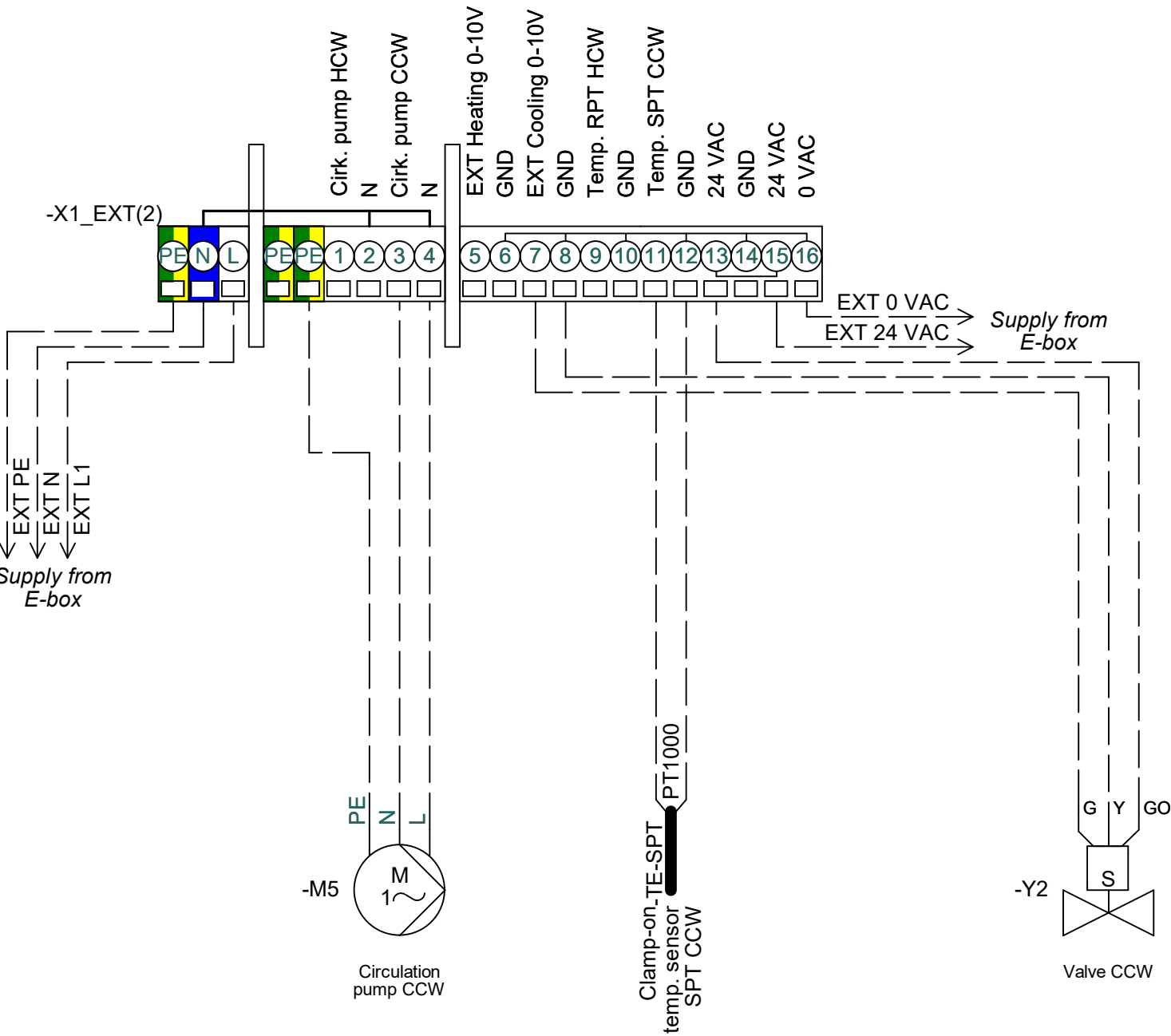
Continued on page 34



Start date:	24-08-2022	Constructor:	DKTSA	Page:	33
Revision date:	24-09-2025	Approved by:	DKLEG	Previous page:	32
Replaces:	Rev. D	Scale:	1:1	Next page:	34
EC no.:		Format:		Pages in total:	43

Connections configuration 12: Electric Preheating Coil + Electric Heating Coil + Water Cooling Coil

Continued from page 33

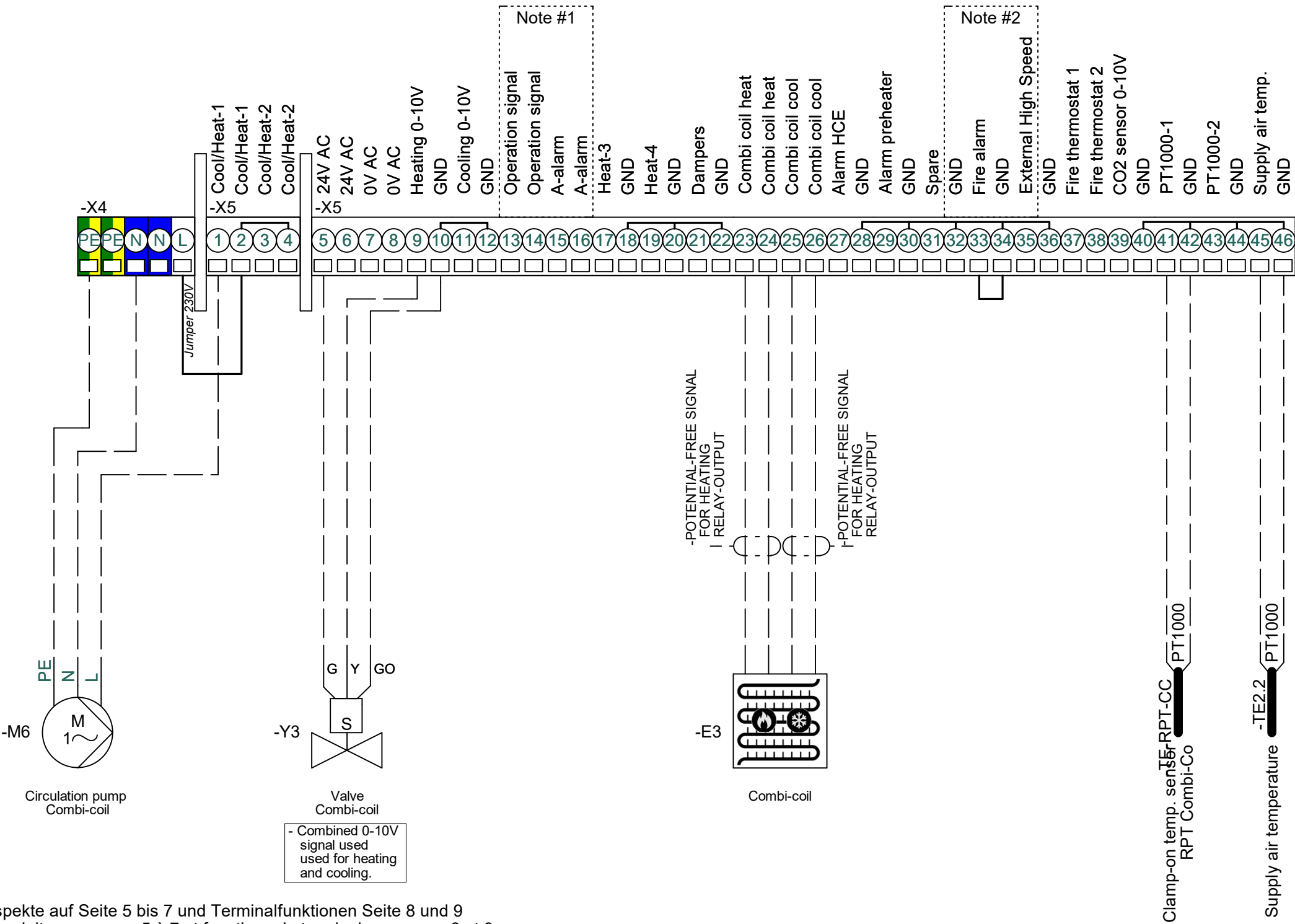


Note #1
Modbus connection to EXcon Master in E-box

Produktaspekte auf Seite 5 bis 7 und Terminalfunktionen Seite 8 und 9
Aspects produits aux pages 5 à 7 et fonctions du terminal aux pages 8 et 9

EXHAUSTO		Project: CX3010 & CX3020 - With AFC	Start date:	24-08-2022	Constructor:	DKTSA	Page:	34
			Revision date:	24-09-2025	Approved by:	DKLEG	Previous page:	33
Drawing number: 0400101	Revision: E	Page Title: 12: Preheater + HCE + CCW	Replaces:	Rev. D	Scale:	1:1	Next page:	35
			EC no.:		Format:		Pages in total:	43

Configuration 13: Change-Over CW (Combi-Coil)



- Note #1

Default configuration.

Can be changed to:

 - B-alarm output
 - Alarm reset
 - Summer operation
 - Summer night cooling
- Note #2

Default configuration.

Can be changed to:

 - AHU STOP
 - Low speed
 - Medium speed
 - Frost alarm
 - External start
 - External reset alarms

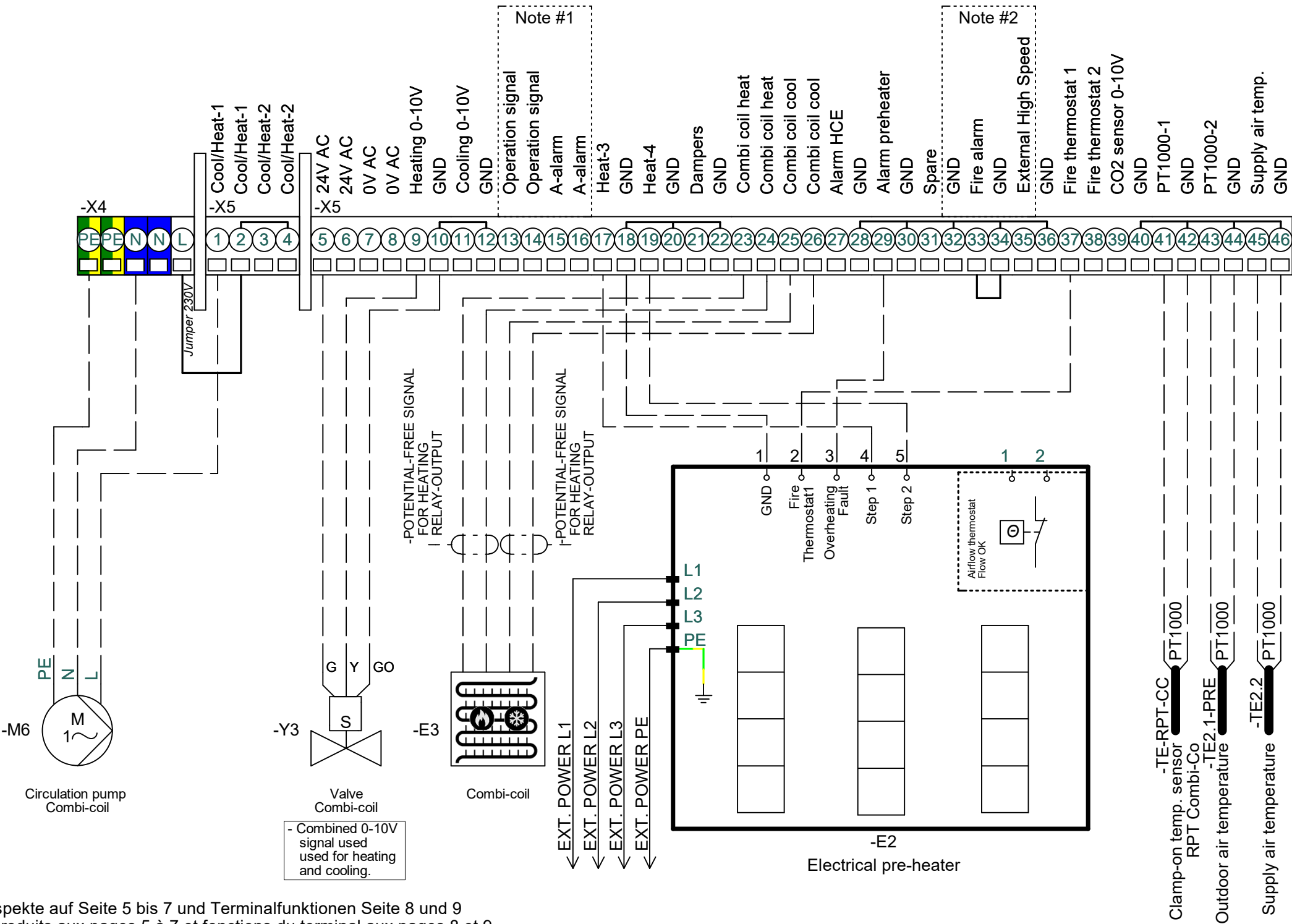
If used remove jumper

* Supply air temperature sensor must be mounted in supply air duct after heating and cooling coils

Produktaspekte auf Seite 5 bis 7 und Terminalfunktionen Seite 8 und 9
Aspects produits aux pages 5 à 7 et fonctions du terminal aux pages 8 et 9

EXHAUSTO		Project: CX3010 & CX3020 - With AFC	Start date:	24-08-2022	Constructor:	DKTSA	Page:	35
			Revision date:	24-09-2025	Approved by:	DKLEG	Previous page:	34
Drawing number: 0400101	Revision: E	Page Title: 13: Change-Over CW (Combi-Coil)	Replaces:	Rev. D	Scale:	1:1	Next page:	36
			EC no.:		Format:		Pages in total:	43

Connections configuration 14: Preheater + C-O CW (Combi-Coil)



- Note #1**
Default configuration.
Can be changed to:

 - B-alarm output
 - Alarm reset
 - Summer operation
 - Summer night cooling
- Note #2**
Default configuration.
Can be changed to:

 - AHU STOP
 - Low speed
 - Medium speed
 - Frost alarm
 - External start
 - External reset alarms

If used remove jumper

* Heater Step 2 are only used in the high performance heaters

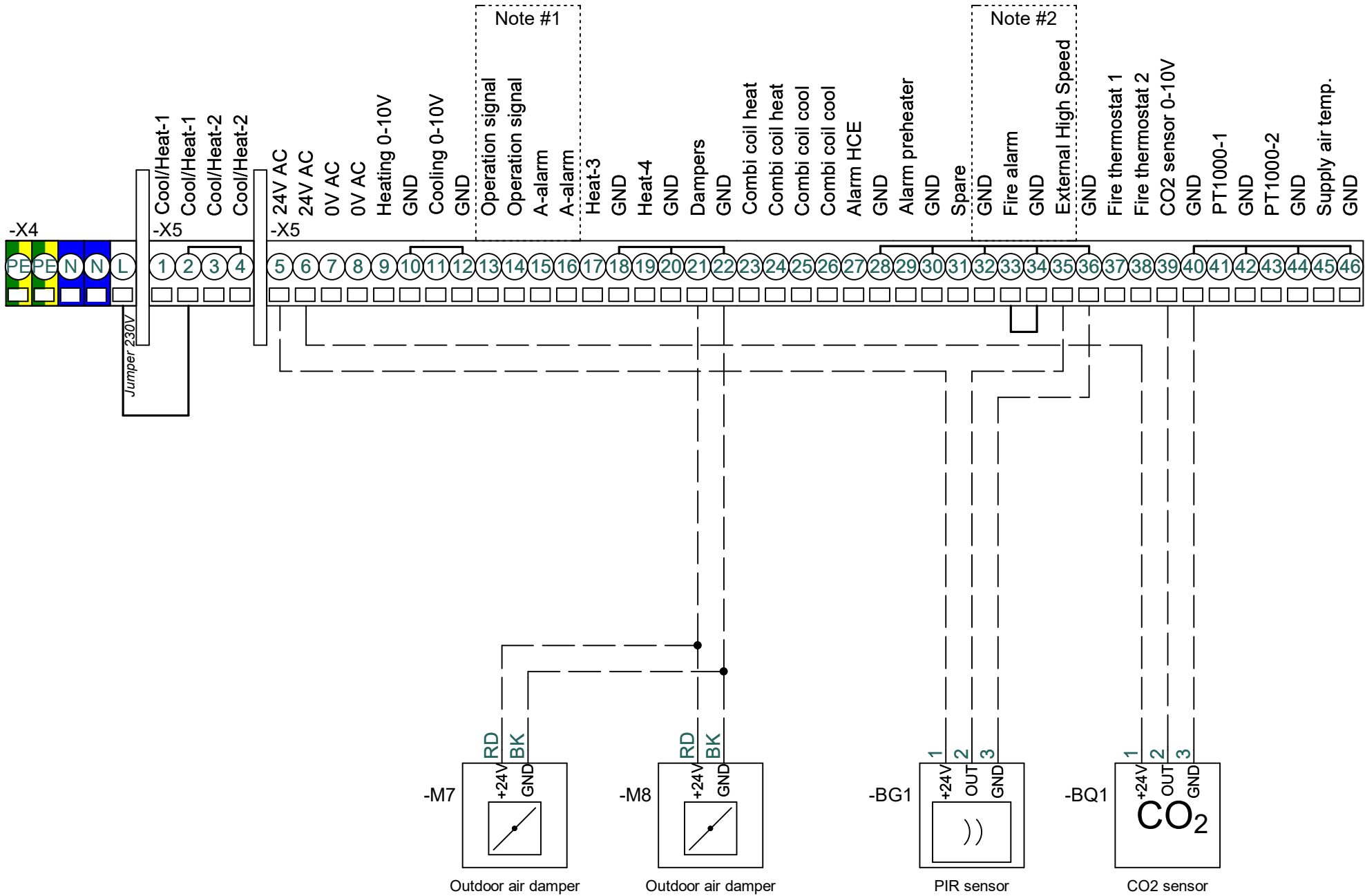
* Outdoor air temperature sensor must be mounted in the outside air duct, before the preheating coil.

* Supply air temperature sensor must be mounted in supply air duct after heating and cooling coils

Produktaspekte auf Seite 5 bis 7 und Terminalfunktionen Seite 8 und 9
Aspects produits aux pages 5 à 7 et fonctions du terminal aux pages 8 et 9

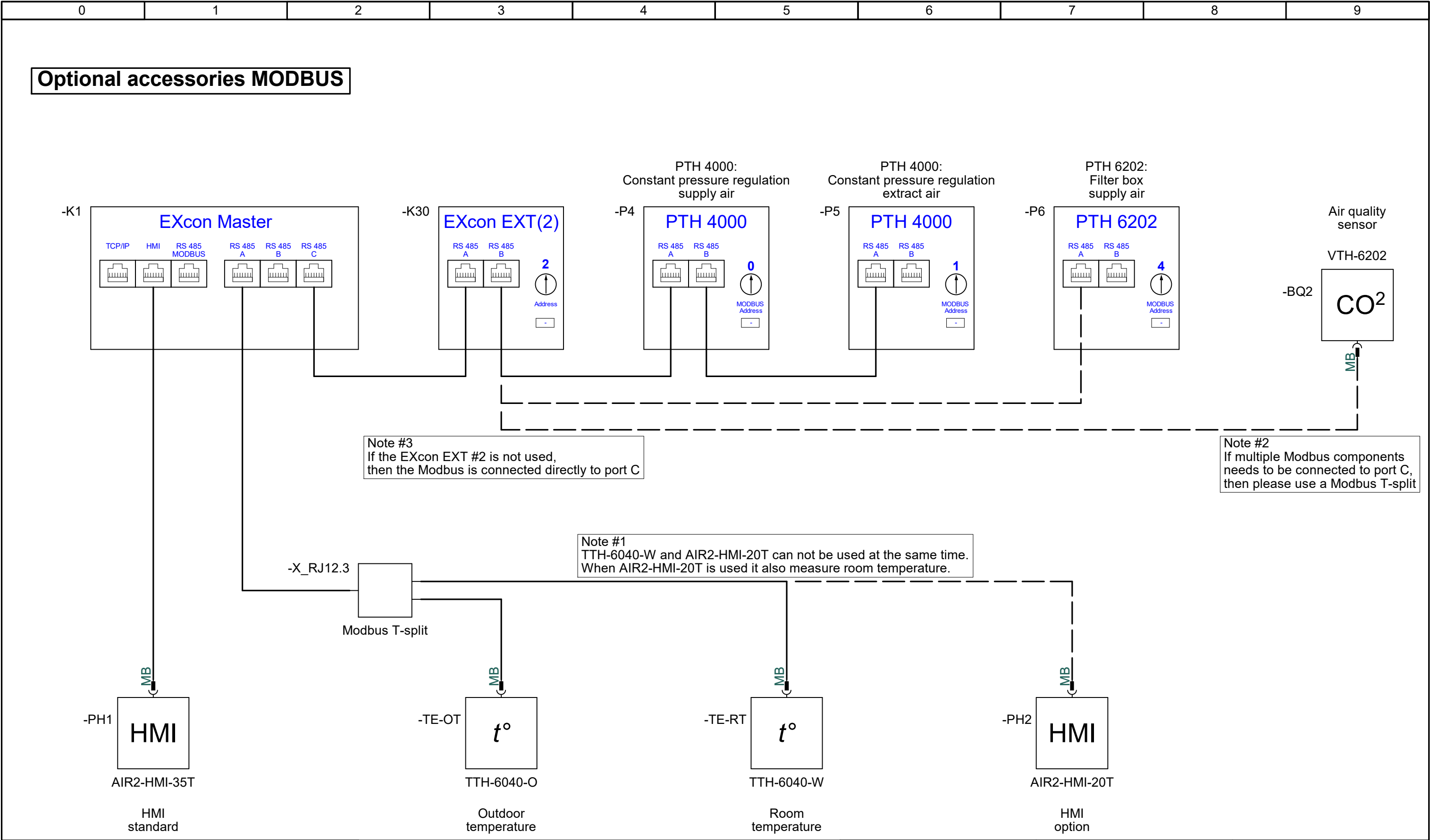
EXHAUSTO		Project: CX3010 & CX3020 - With AFC	Start date:	24-08-2022	Constructor:	DKTSA	Page:	36
			Revision date:	24-09-2025	Approved by:	DKLEG	Previous page:	35
Drawing number: 0400101	Revision: E	Page Title: 14: Preheater+Combi-Coil	Replaces:	Rev. D	Scale:	1:1	Next page:	37
			EC no.:		Format:		Pages in total:	43

Optional accessories



Produktspekte auf Seite 5 bis 7 und Terminalfunktionen Seite 8 und 9
Aspects produits aux pages 5 à 7 et fonctions du terminal aux pages 8 et 9

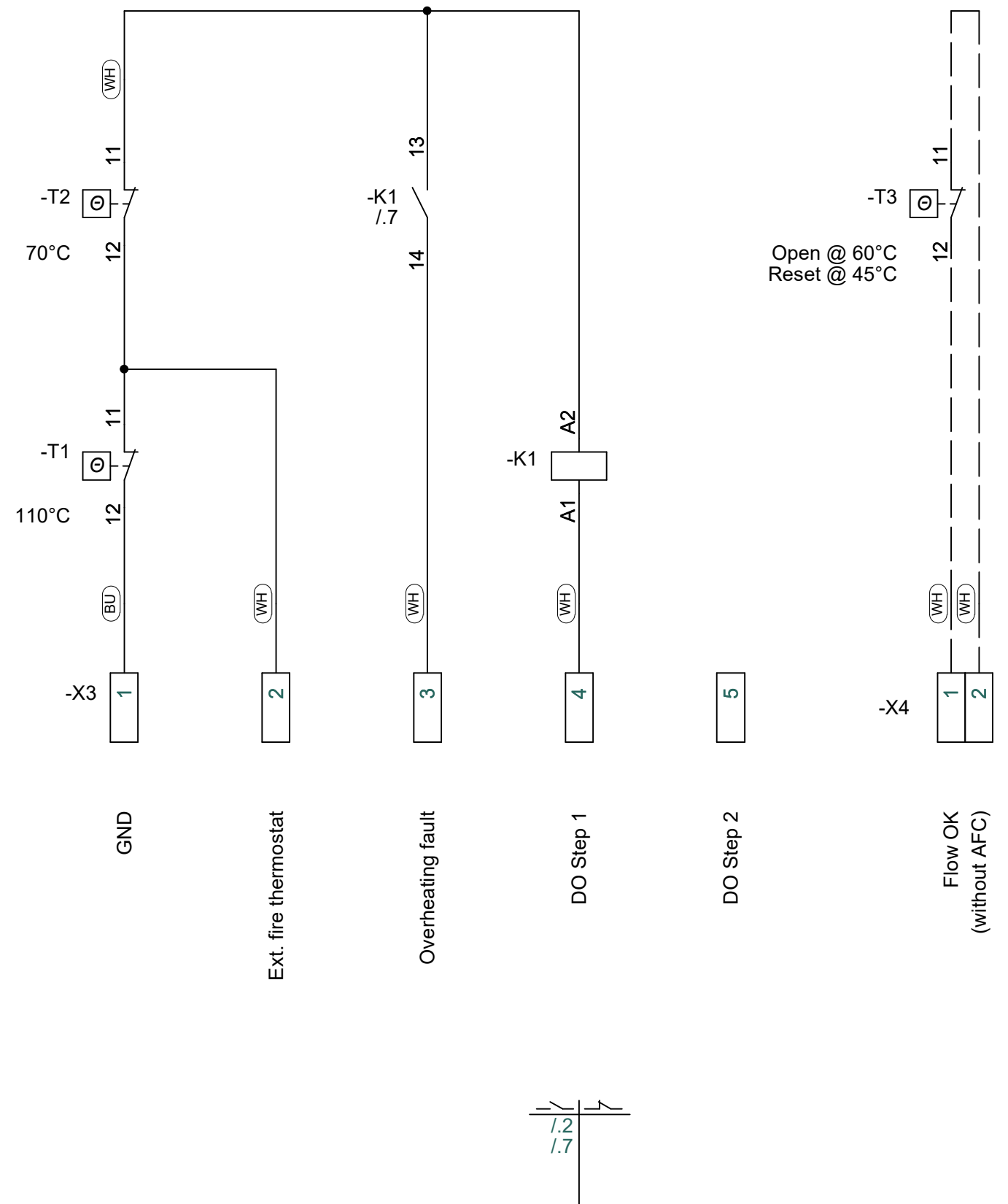
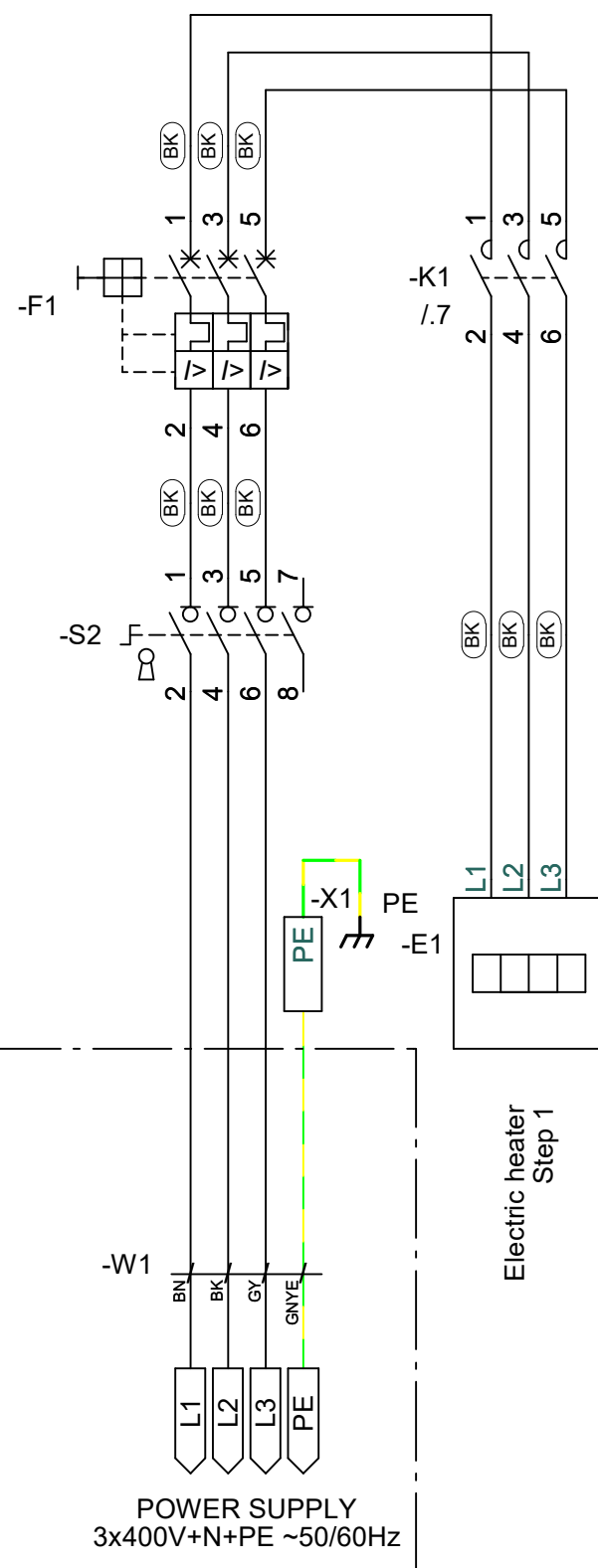
EXHAUSTO		Project: CX3010 & CX3020 - With AFC	Start date:	24-08-2022	Constructor:	DKTSA	Page:	37
			Revision date:	24-09-2025	Approved by:	DKLEG	Previous page:	36
Drawing number: 0400101	Revision: E	Page Title: Optional accessories	Replaces:	Rev. D	Scale:	1:1	Next page:	38
			EC no.:		Format:		Pages in total:	43



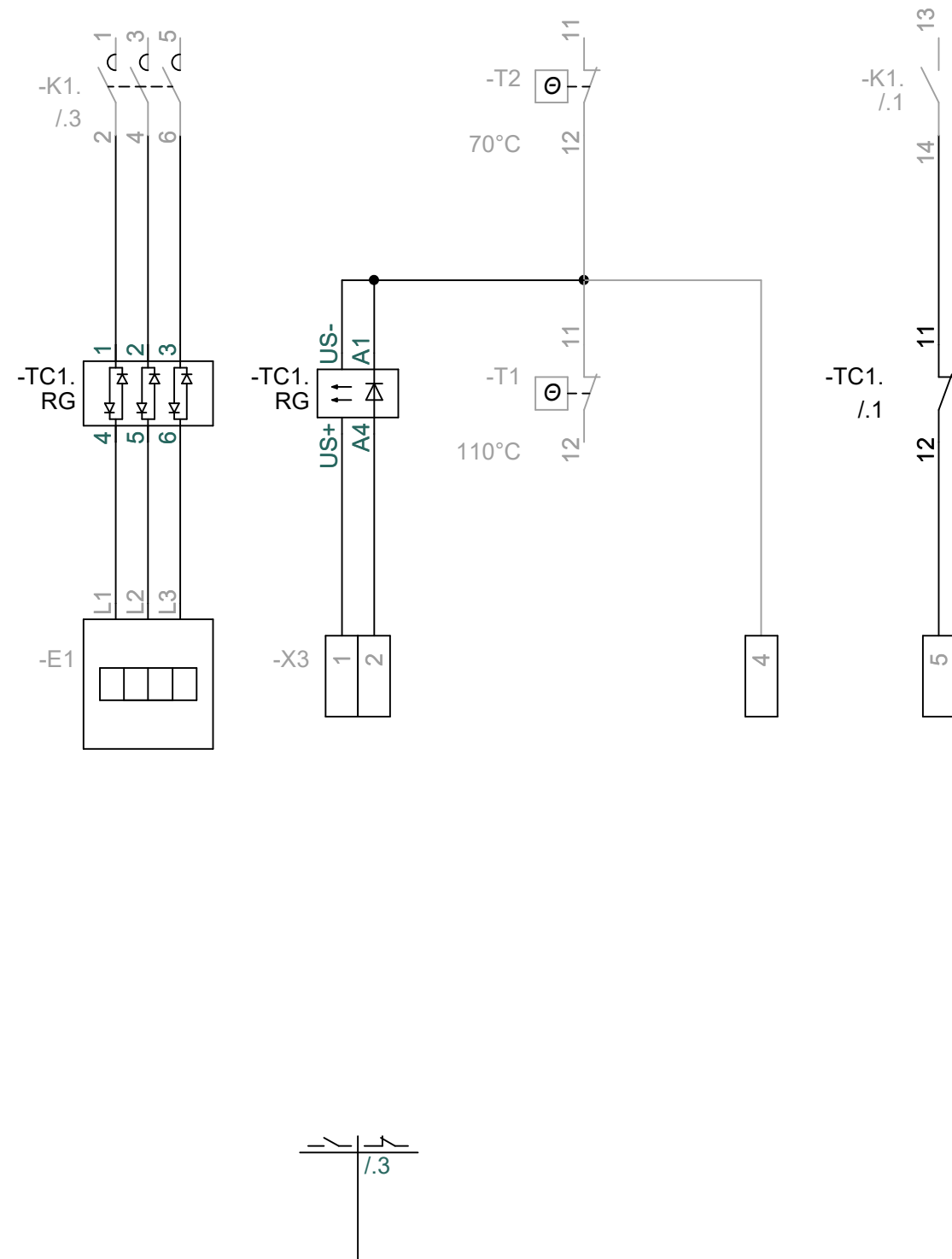
Electric heaters

EXHAUSTO		Project: CX3010 & CX3020 - With AFC	Start date: 24-08-2022	Constructor: DKTSA	Page: 39
			Revision date: 24-09-2025	Approved by: DKLEG	Previous page: 38
Drawing number: 0400101	Revision: E	Page Title: Electric heaters	Replaces: Rev. D	Scale: 1:1	Next page: 40
			EC no.:	Format:	Pages in total: 43

Component	Product aspects	GB	Produktaspekte	DE	Aspects du produit	FR						
+A4.1/-E1	Electric heater Step 1		Elektroheizregister Stufe 1		Batterie de chauffage électrique étape 1							
+A4.1/-F1	Main fuse heater		Hauptsicherung Heizregister		Fusible pour le batterie de chauffage							
+A4.1/-K1	Contactor HE 1		Schütz Heizregister Stufe 1		Contacteur batterie de chauffage étape 1							
+A4.1/-S2	Main switch heater		Hauptschalter Heizregister		Interrupteur principal le batterie de chauffage							
+A4.1/-T1	Fire thermostat 110°C		Brandthermostat 110°C		Thermostat incendie 110 °C							
+A4.1/-T2	Overheating thermostat 70°C		Überhitzungsthermostat 70°C		Thermostat de surchauffe 70 °C							
+A4.1/-T3	Air flow thermostat - Open at 60°C/Reset at 45°C		Luftmengenthermostat - Öffnen bei 60°C/Zurücksetzen bei 45°C		Thermostat de débit d'air - Ouvert à 60°C/Réinitialisé à 45°C							
+A4.1/-W1	Main power supply cable heater		Kabel Spannungsversorgung Heizregister		Câble d'alimentation principale le batterie de chauffage							
+A4.1/-X1	Main PE terminal		Anschlußklemme für Haupt-PE		Borne pour PE principal							
+A4.1/-X3	Terminals for Control signals		Anschlußklemmen für Steuersignale		Bornier pour signal de commande							
+A4.1/-X4	Terminals for Air flow OK		Anschlußklemmen für Luftmengen OK		Bornier pour flux d'air OK							
+A4.2/-E1	Electric heater Step 1		Elektroheizregister Stufe 1		Batterie de chauffage électrique étape 1							
+A4.2/-F1	Main fuse heater		Hauptsicherung Heizregister		Fusible pour le batterie de chauffage							
+A4.2/-K1	Contactor HE 1		Schütz Heizregister Stufe 1		Contacteur batterie de chauffage étape 1							
+A4.2/-S3	Main switch heater		Hauptschalter Heizregister		Interrupteur principal le batterie de chauffage							
+A4.2/-T1	Fire thermostat 110°C		Brandthermostat 110°C		Thermostat incendie 110 °C							
+A4.2/-T2	Overheating thermostat 70°C		Überhitzungsthermostat 70°C		Thermostat de surchauffe 70 °C							
+A4.2/-T3	Air flow thermostat - Open at 60°C/Reset at 45°C		Luftmengenthermostat - Öffnen bei 60°C/Zurücksetzen bei 45°C		Thermostat de débit d'air - Ouvert à 60°C/Réinitialisé à 45°C							
+A4.2/-TC1	Triac HE 1		Triac Heizregister 1		Commande par Triac de la batterie de chauffage 1							
+A4.2/-W1	Main power supply cable heater		Kabel Spannungsversorgung Heizregister		Câble d'alimentation principale le batterie de chauffage							
+A4.2/-X1	Main PE terminal		Anschlußklemme für Haupt-PE		Borne pour PE principal							
+A4.2/-X3	Terminals for Control signals		Anschlußklemmen für Steuersignale		Bornier pour signal de commande							
+A4.2/-X4	Terminals for Air flow OK		Anschlußklemmen für Luftmengen OK		Bornier pour flux d'air OK							
EXHAUSTO			Project:		Start date:		24-08-2022	Constructor:	DKTSA	Page:	40	
			CX3010 & CX3020 - With AFC		Revision date:		24-09-2025	Approved by:	DKLEG	Previous page:	39	
Drawing number:		Revision:	Page Title:	Replaces:	Rev. D	Scale:	1:1	Next page:	41			
0400101				EC no.:		Format:		Pages in total:	43			
		Electric heaters component overview										



Carlo Gavazzi RG controller



Regin TTC25 controller

