

Geniox Core Control system 41.04.02

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Cable plan: page 100-118

Geräte mit internem Schaltschrank:

Der Schaltschrank befindet sich immer innenliegend im Gerät.

AHU Gerätedaten.

Värmetauscher typ:

Siehe Daten im beigefügten Anhang - Technische Daten

Erhitzer typ:

Siehe Daten im beigefügten Anhang - Technische Daten

Kühler typ:

Siehe Daten im beigefügten Anhang - Technische Daten

Wärmepumpe typ:

Siehe Daten im beigefügten Anhang - Technische Daten

Elektro data:

Gesamtleistungsaufnahme:

Siehe

Ventilator Sicherung gr.:

schriftliche Bestellung

Zuluftventilator Leitungswiderstand:

Siehe schriftliche Bestellung

Abluftventilator Leitungswiderstand:

Siehe schriftliche Bestellung

Max. Vorsicherung:

Siehe schriftliche Bestellung

Ik max. an der Sicherung im Gerät:

Siehe schriftliche Bestellung

6 kA

Hersteller:

Systemair A/S, Dänemark

Ved Milepælen 7

8362 Hasselager



Geniox
Access CU27 Regler

Vorderseite

Projekt:

Geniox-Core CS 41.04.02 DE

Rev.:

41.04.02

Blatt:

1

Datum:

07-08-2020

Initialien:

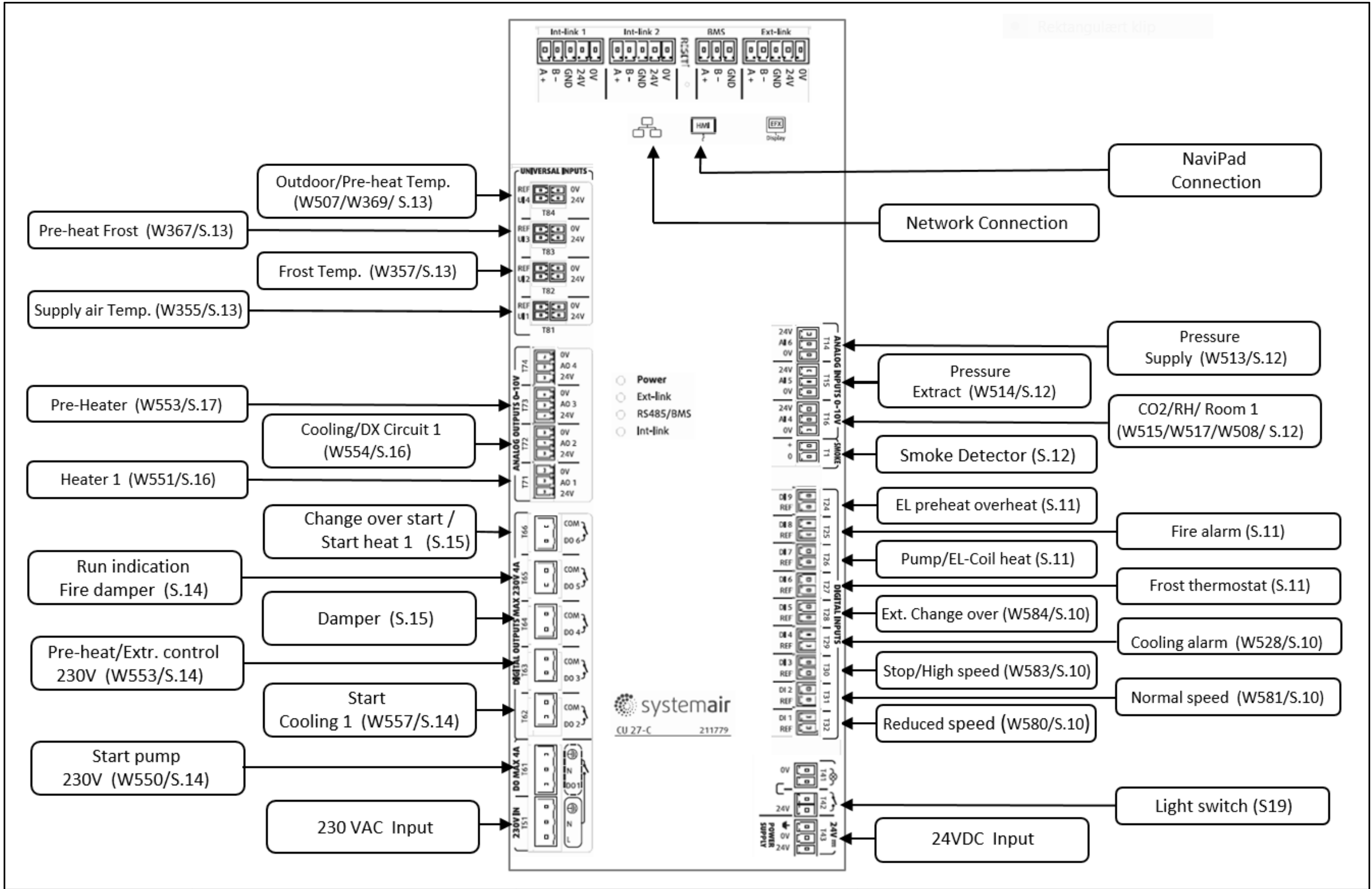
MIKE

Gesamt Unterlagen

4

Nächstes Blatt

2



Symbole gemäß IEC 60617

Auf den folgenden beiden Seiten finden Sie Beschreibungen zu den verwendeten Symbolen zu diesem Projekt

Farbkennzeichnung der Kabel

Schwarz - sw
 Braun - br
 Rot - rt
 Orange - OG
 Gelb - ge
 Grün - gn
 Blau - bl
 Violett - vi
 Grau - gr
 Weiß - we
 Rosa - rs
 Transparent - tp
 Grün/Gelb - PE

L1:1 > Referenzen

-X2:1  Klemme

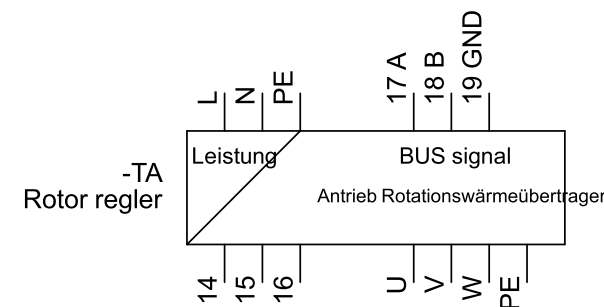
-EA  Leuchte

-SF  Stufenschalter

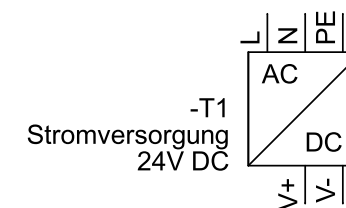
-BP  Drucktransmitter

-BP  Pressostat

-F  Sicherungsautomat



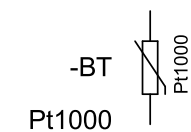
Rotationswärmetauscher



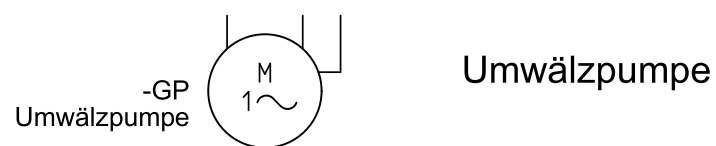
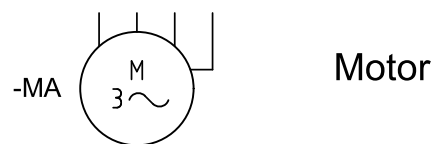
Stromversorgung



Feuermelder

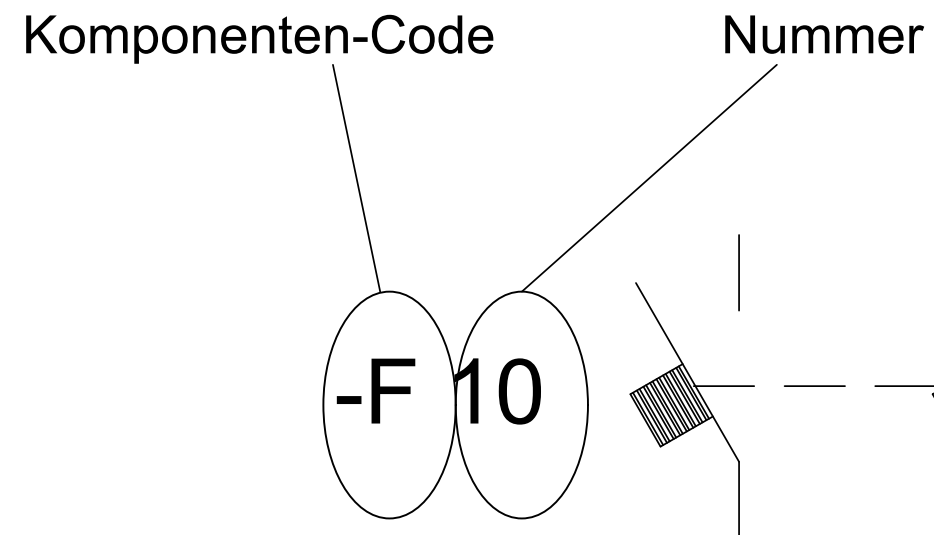
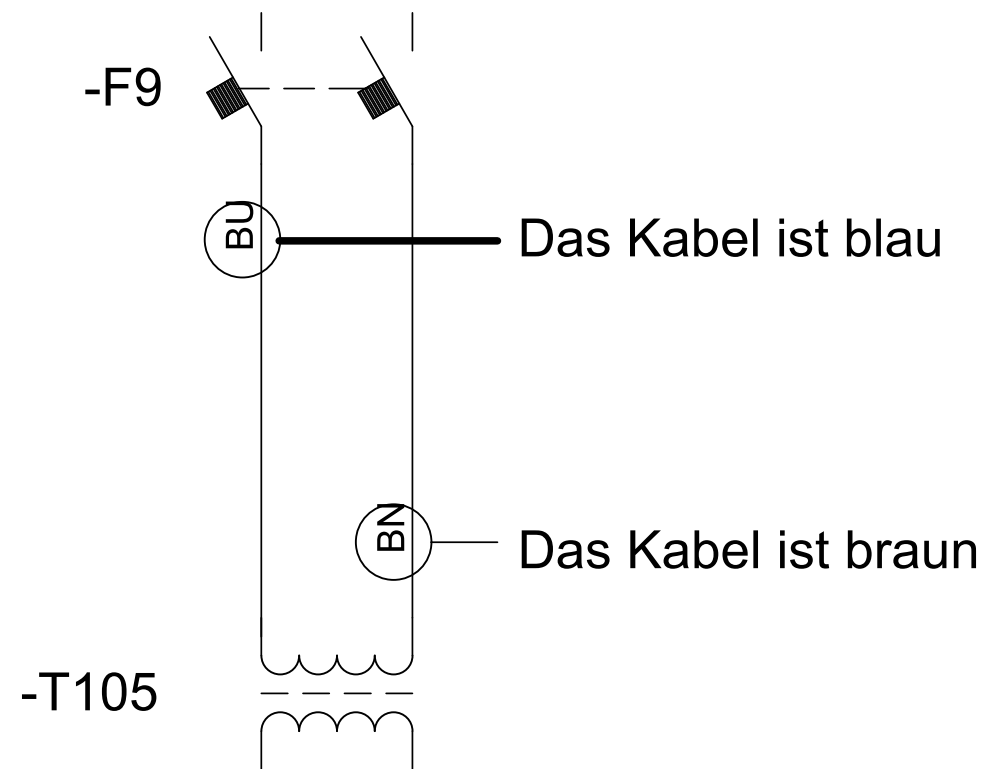


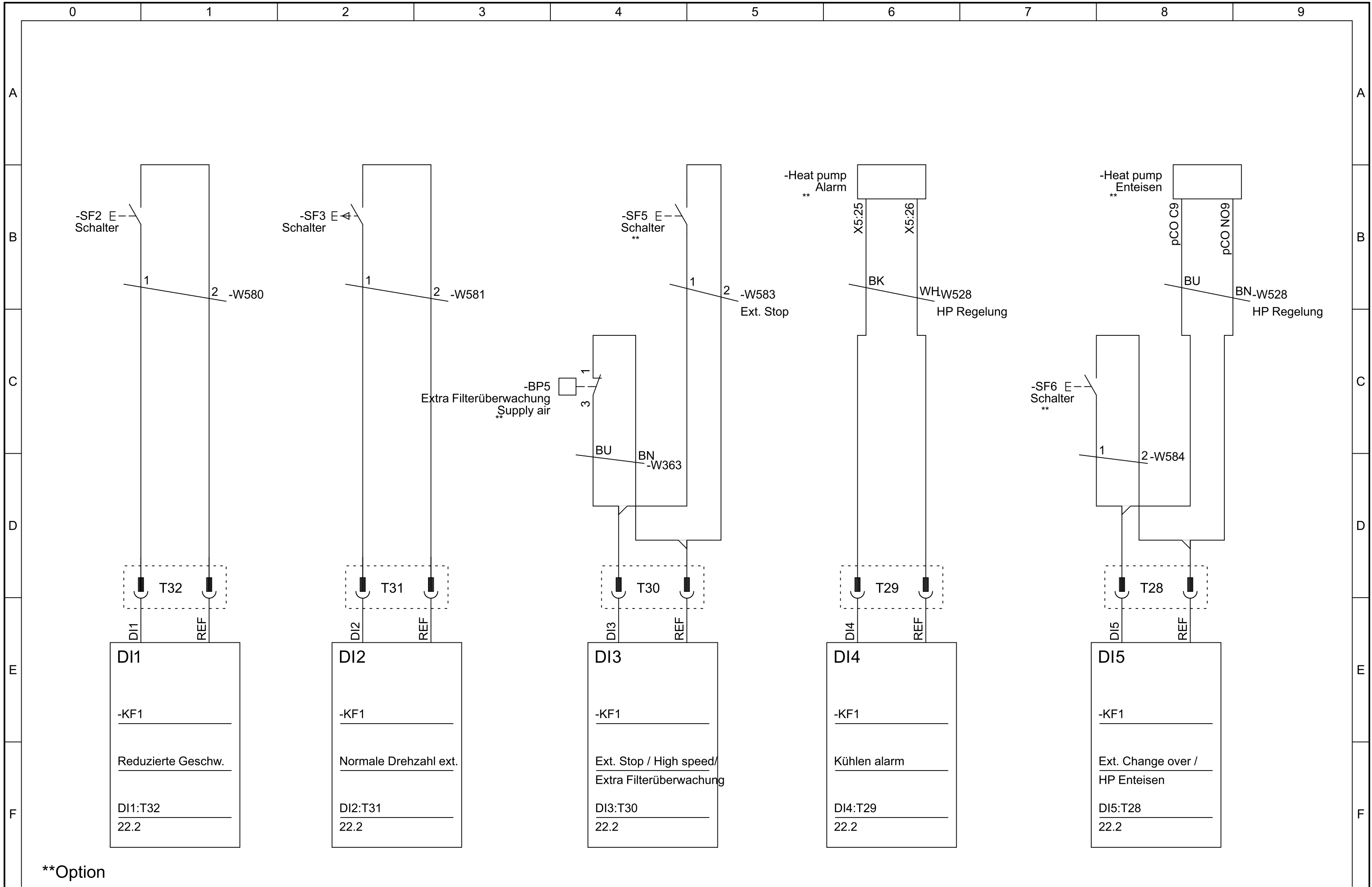
Temperatur (gemessen)



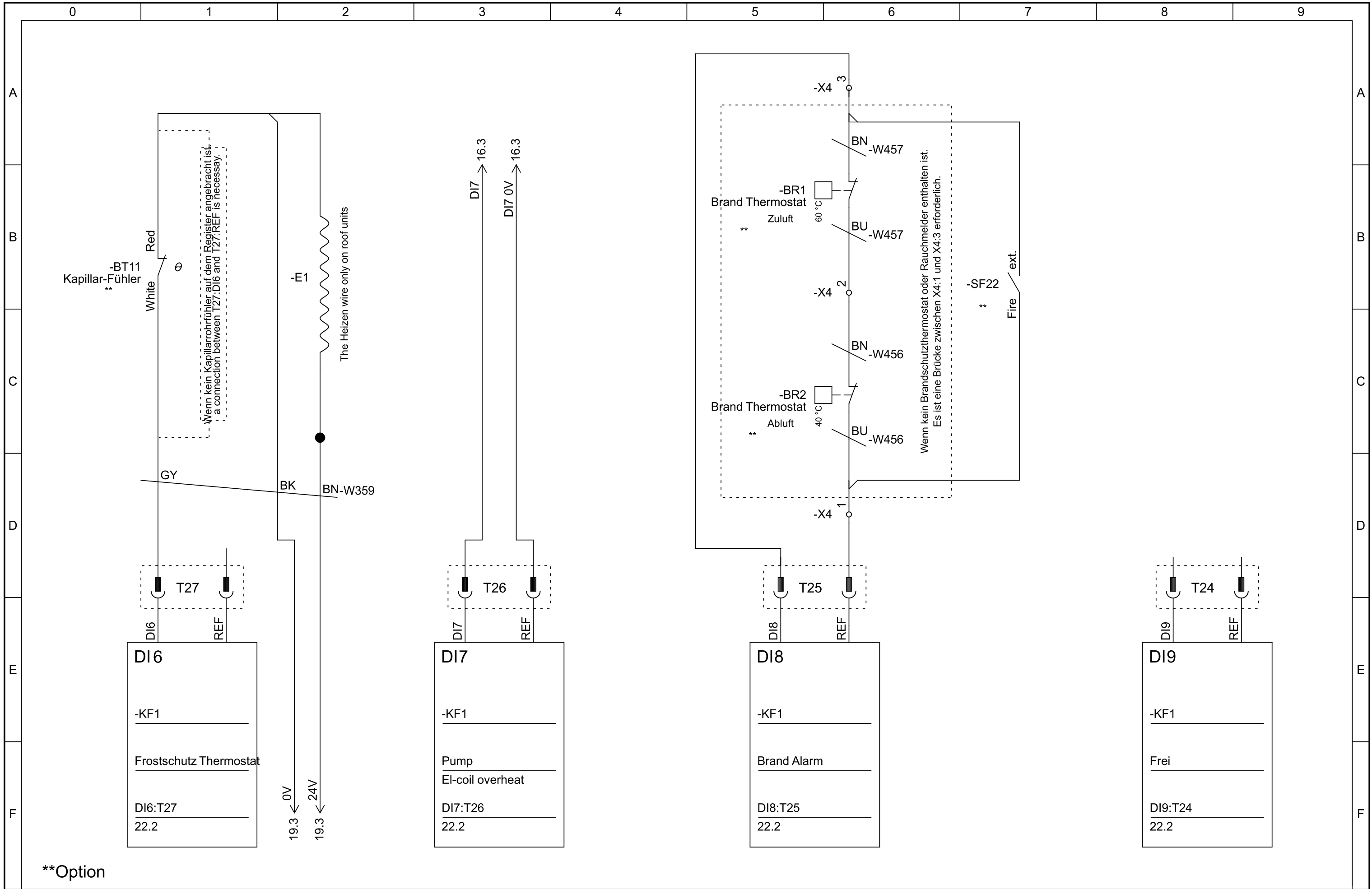
Labeling of wires are marked with Klemme name

Die Komponenten sind mit Komponenten-Coden markiert gefolgt von einer Nummer nach IEC 61346-1 Tabelle 1

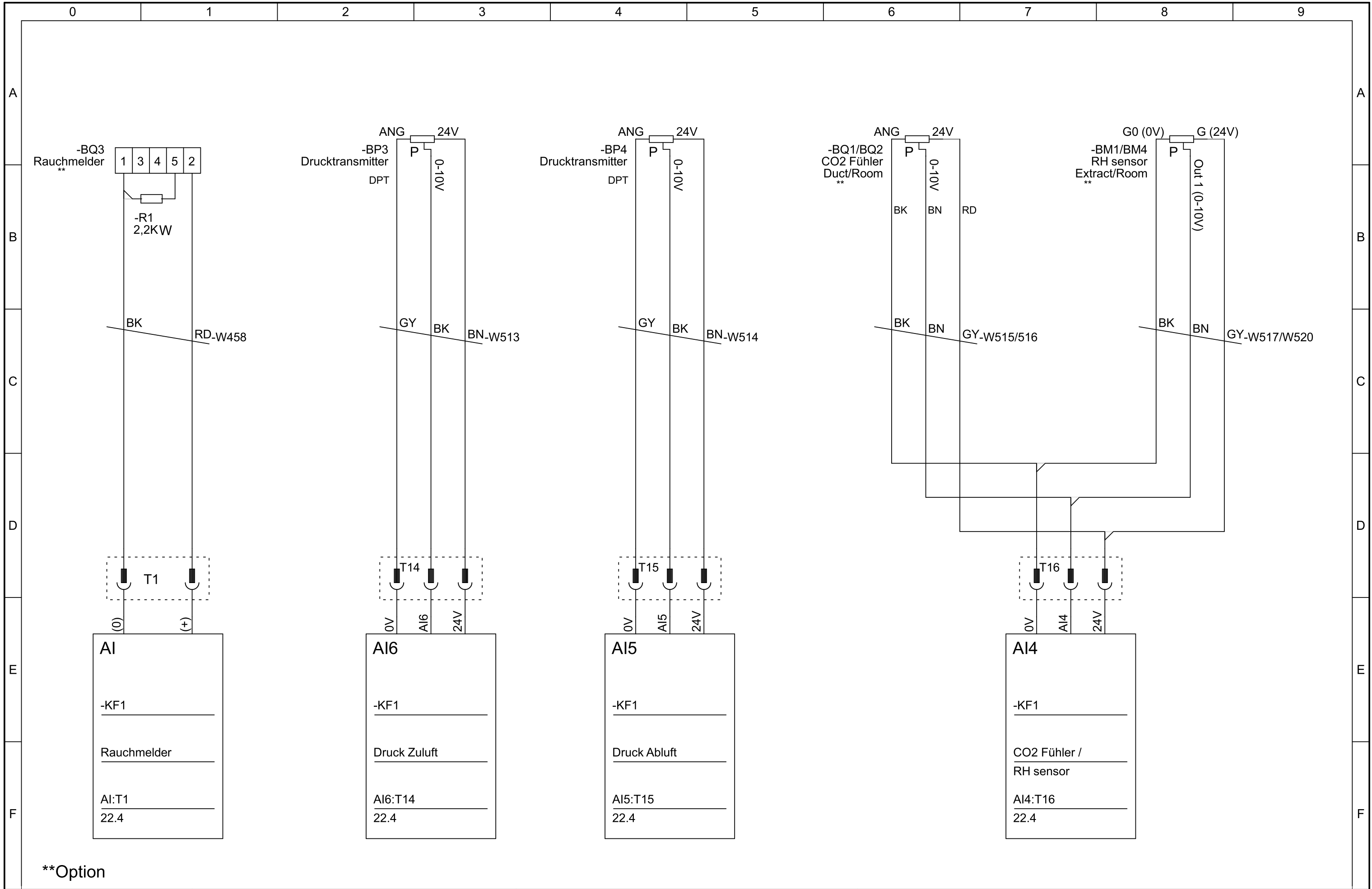




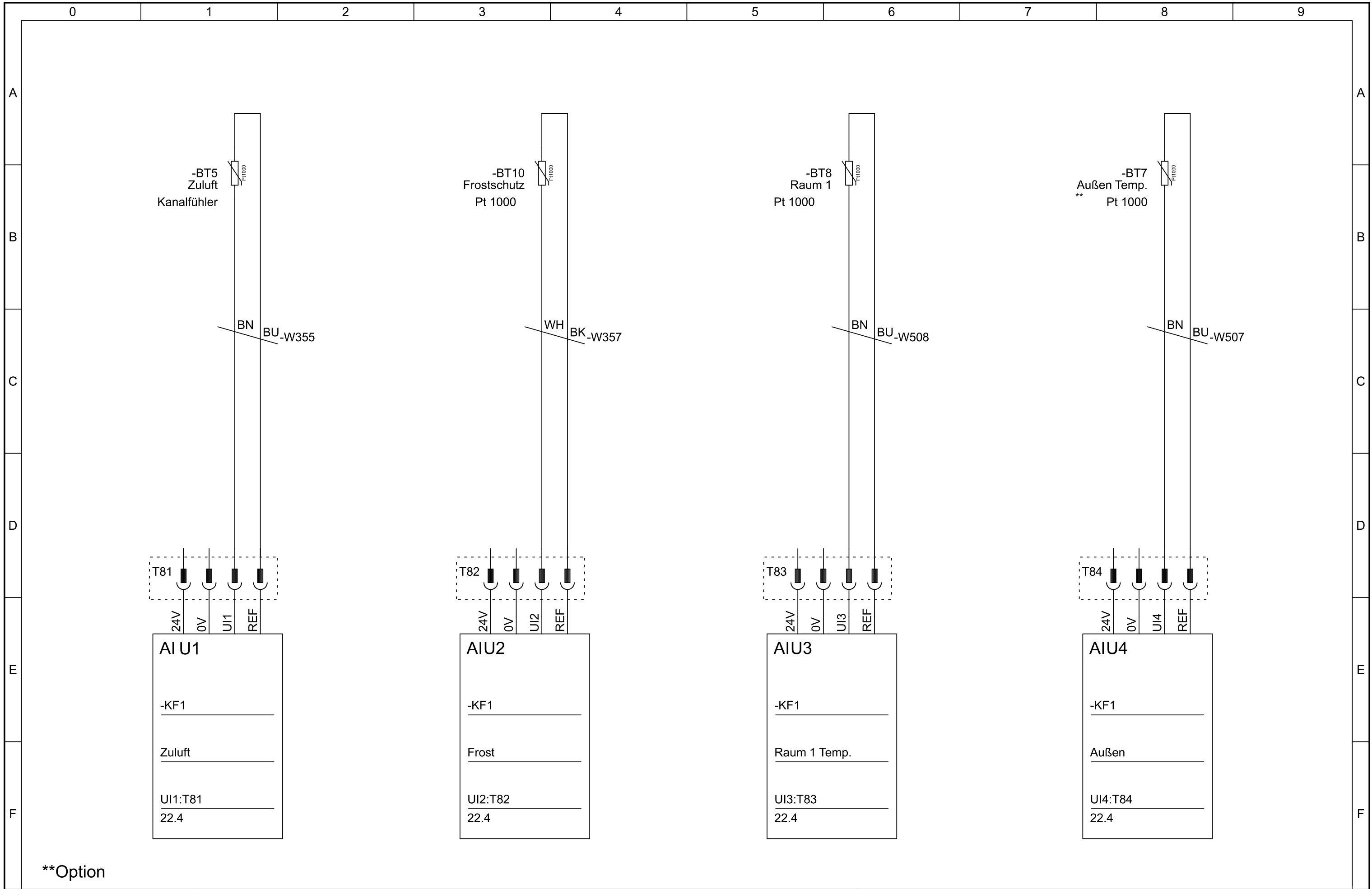
**Option



**Option



**Option



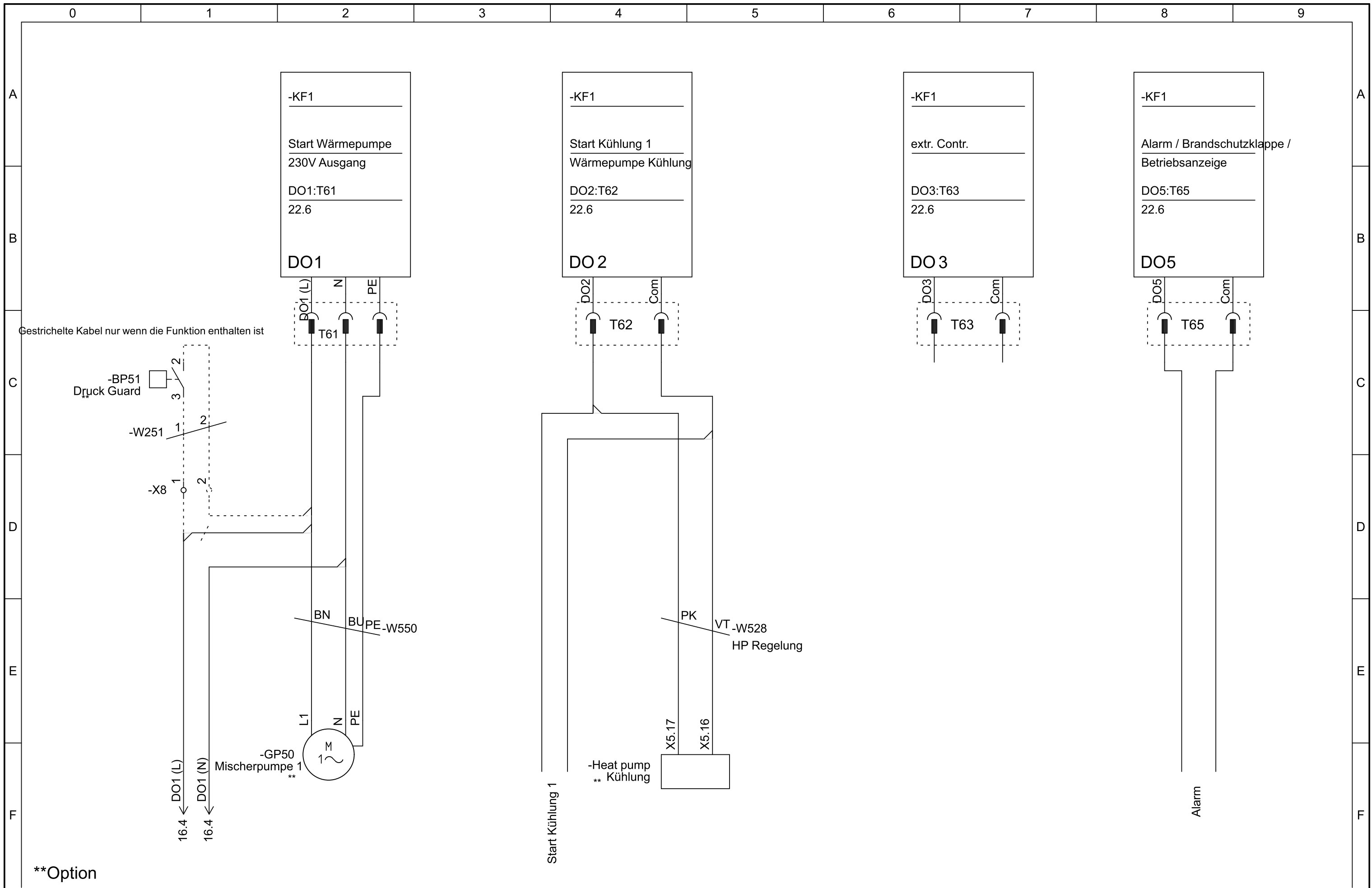
**Option



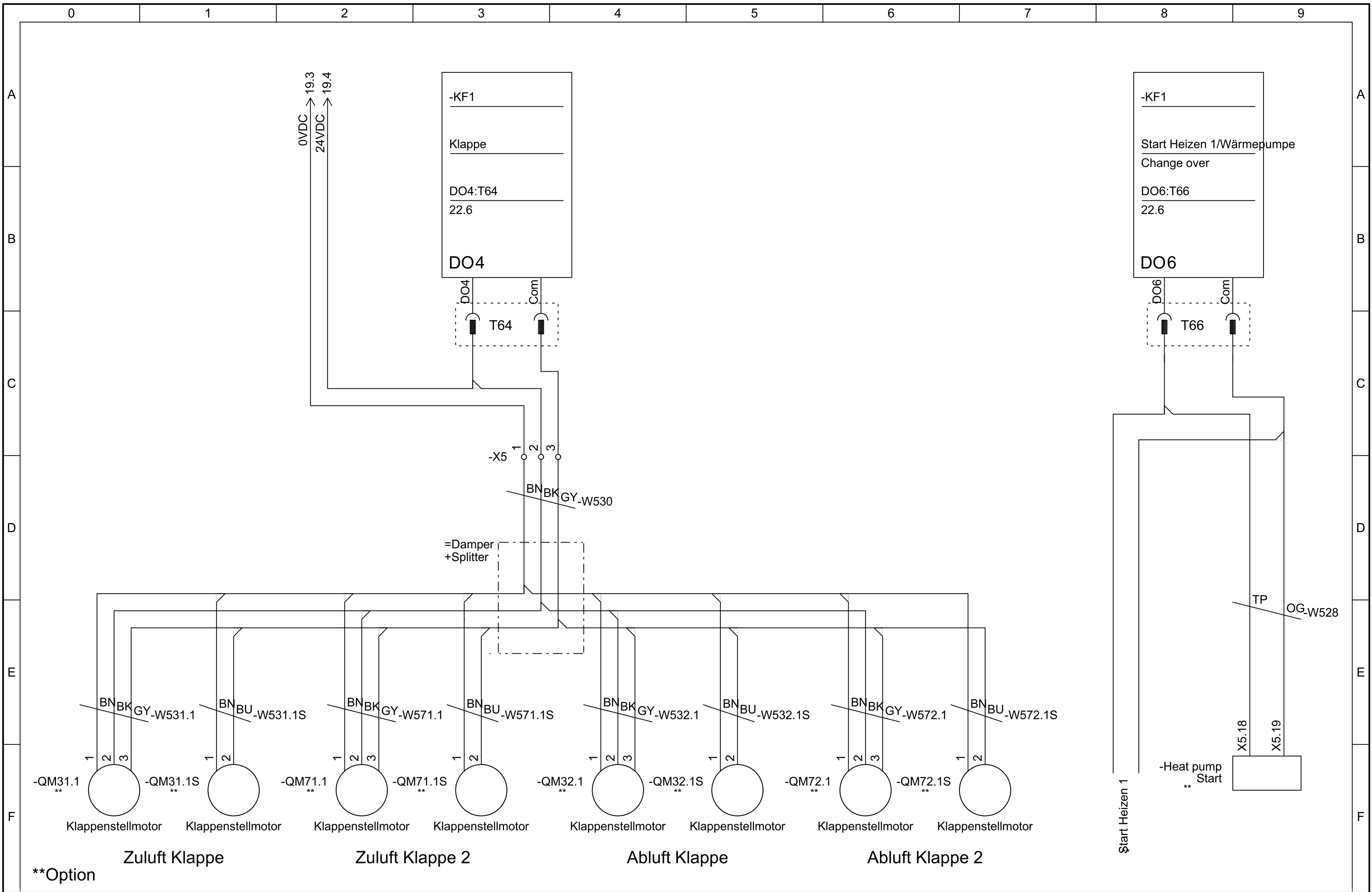
Geniox
Access CU27 Regler

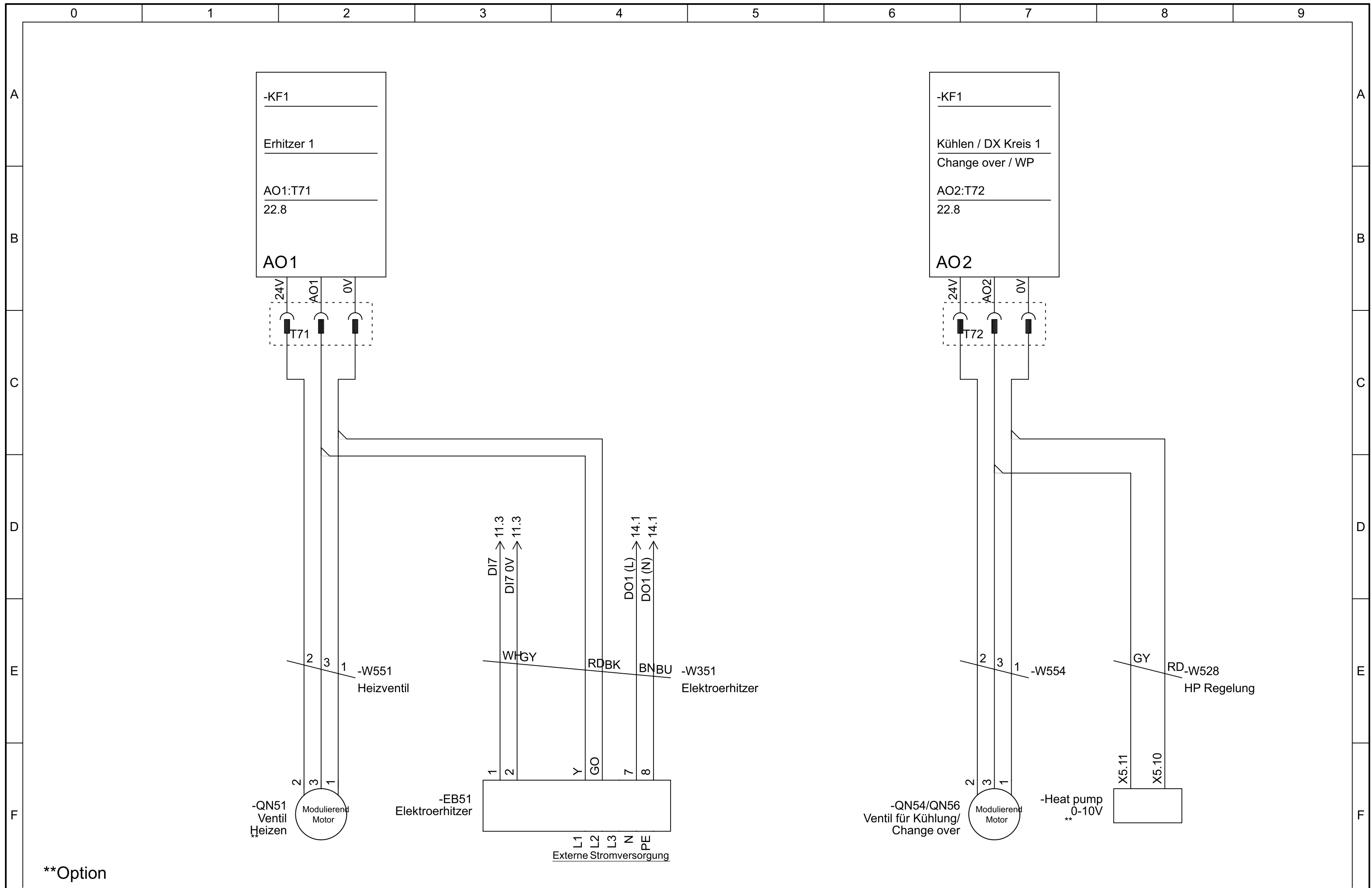
External connections UI

Projekt:	Geniox-Core CS 41.04.02 DE	Rev.:	41.04.02	Blatt:	13
Datum:	15-01-2020	Initialien:	MIKE	Gesamt Unterlagen:	19
				Nächstes Blatt:	14

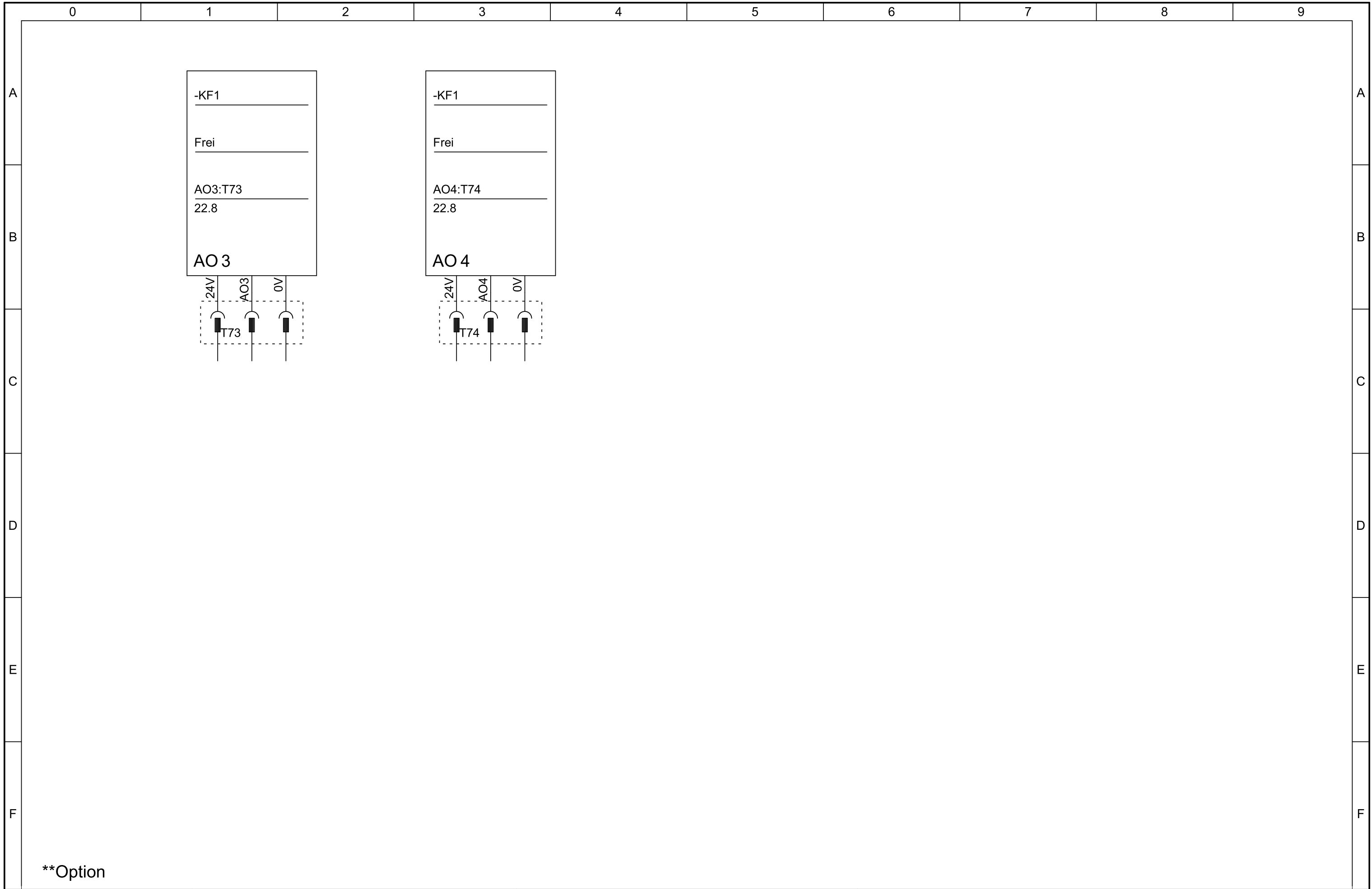


**Option

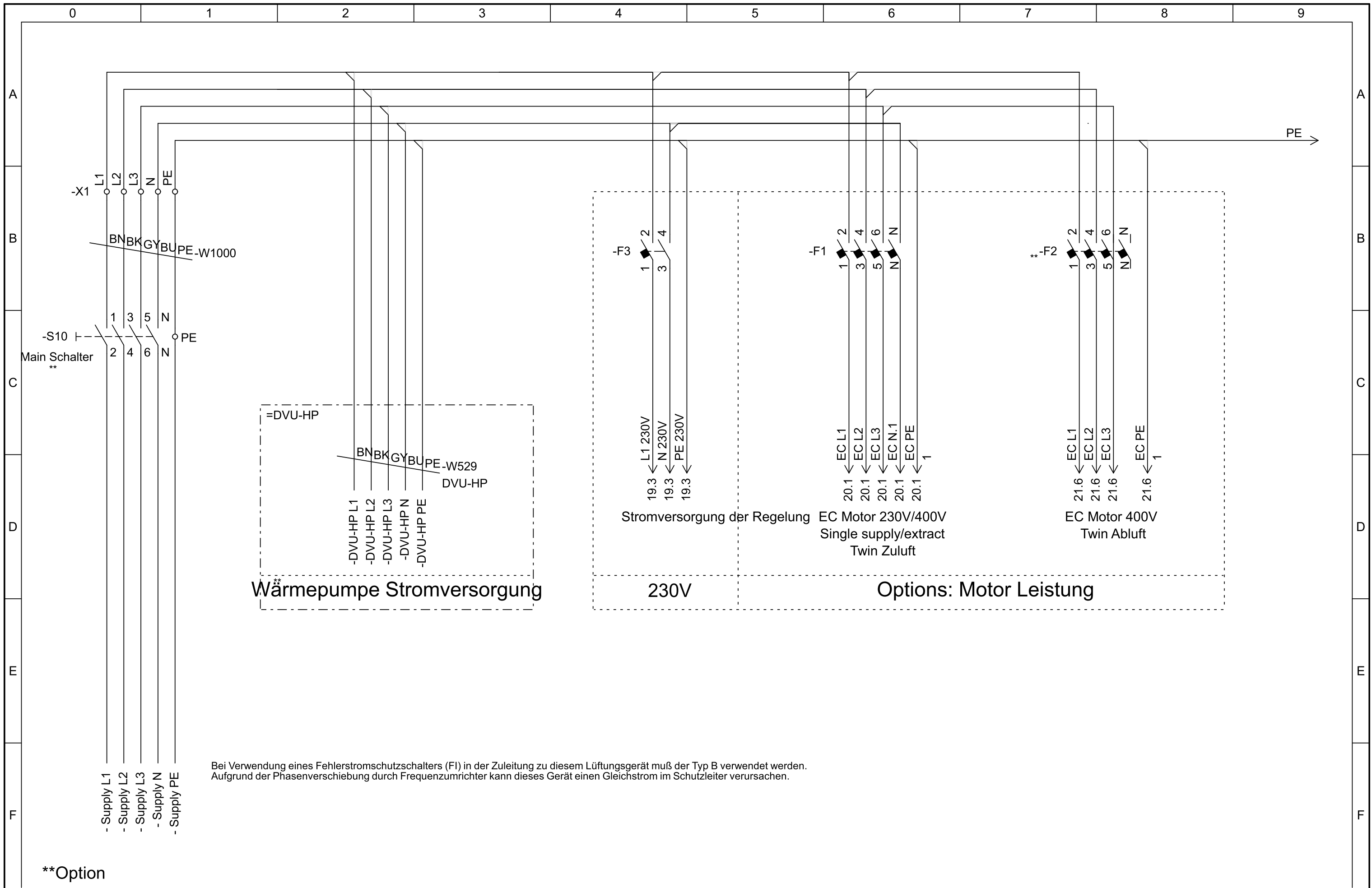


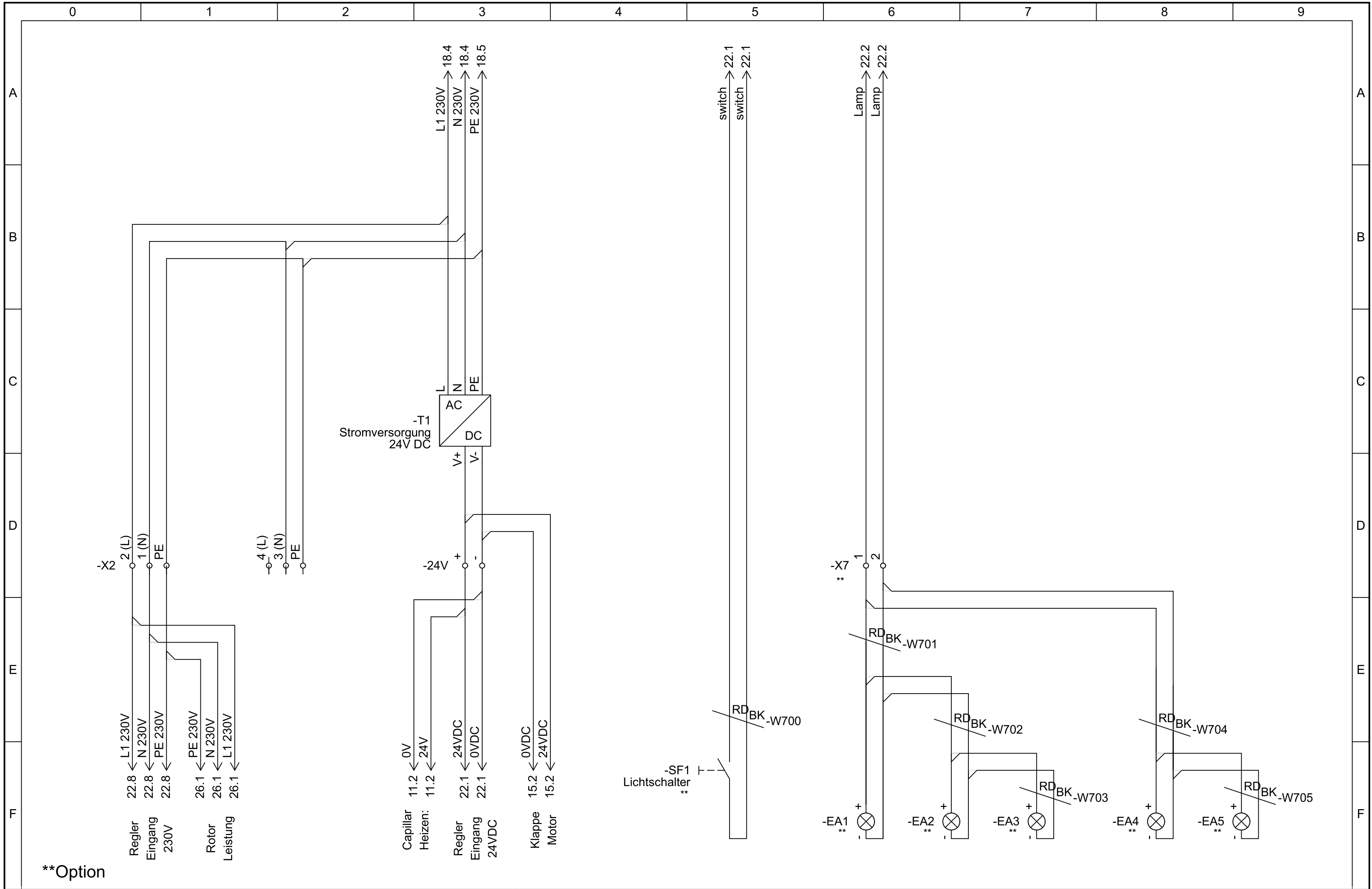


**Option

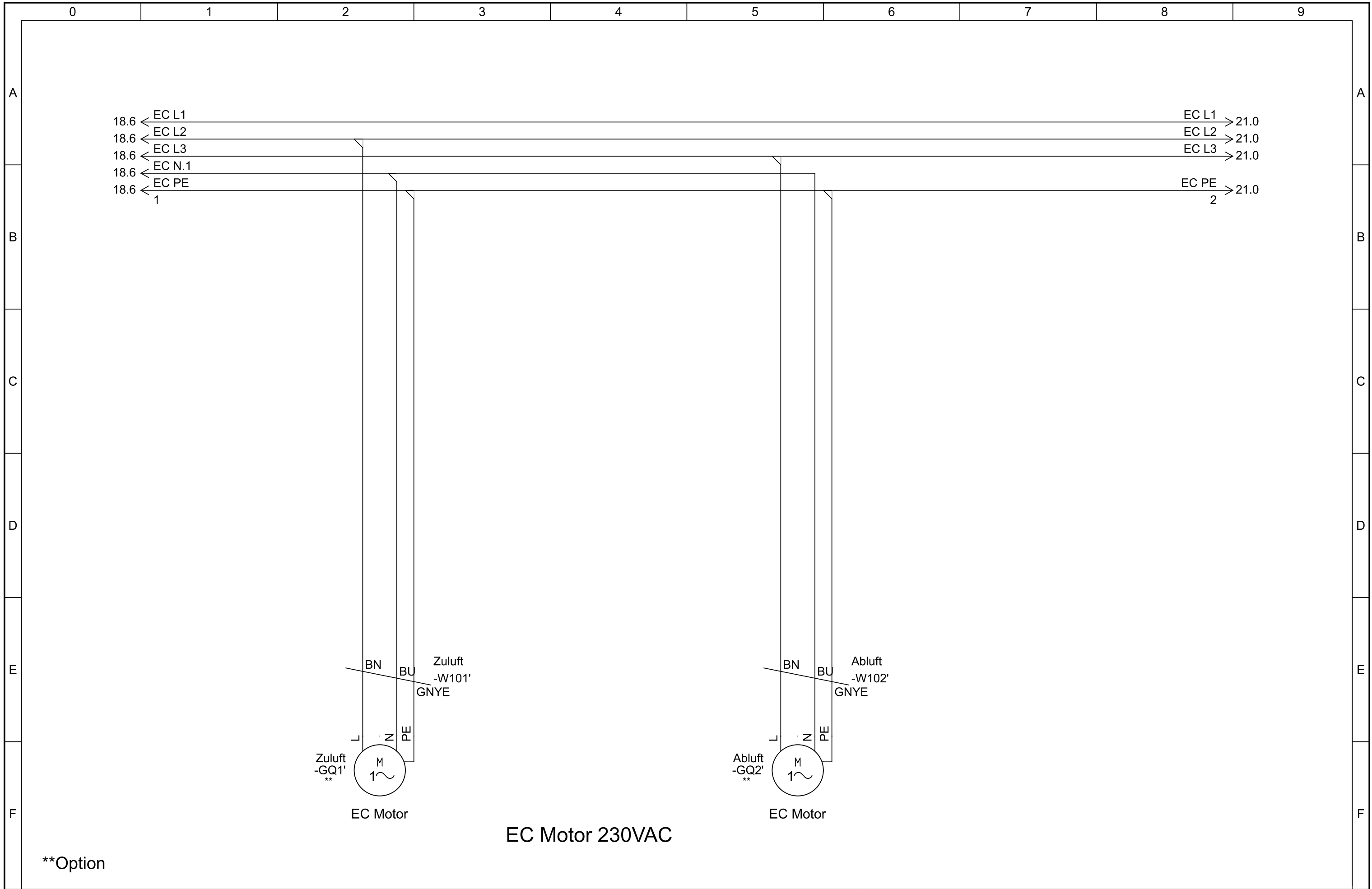


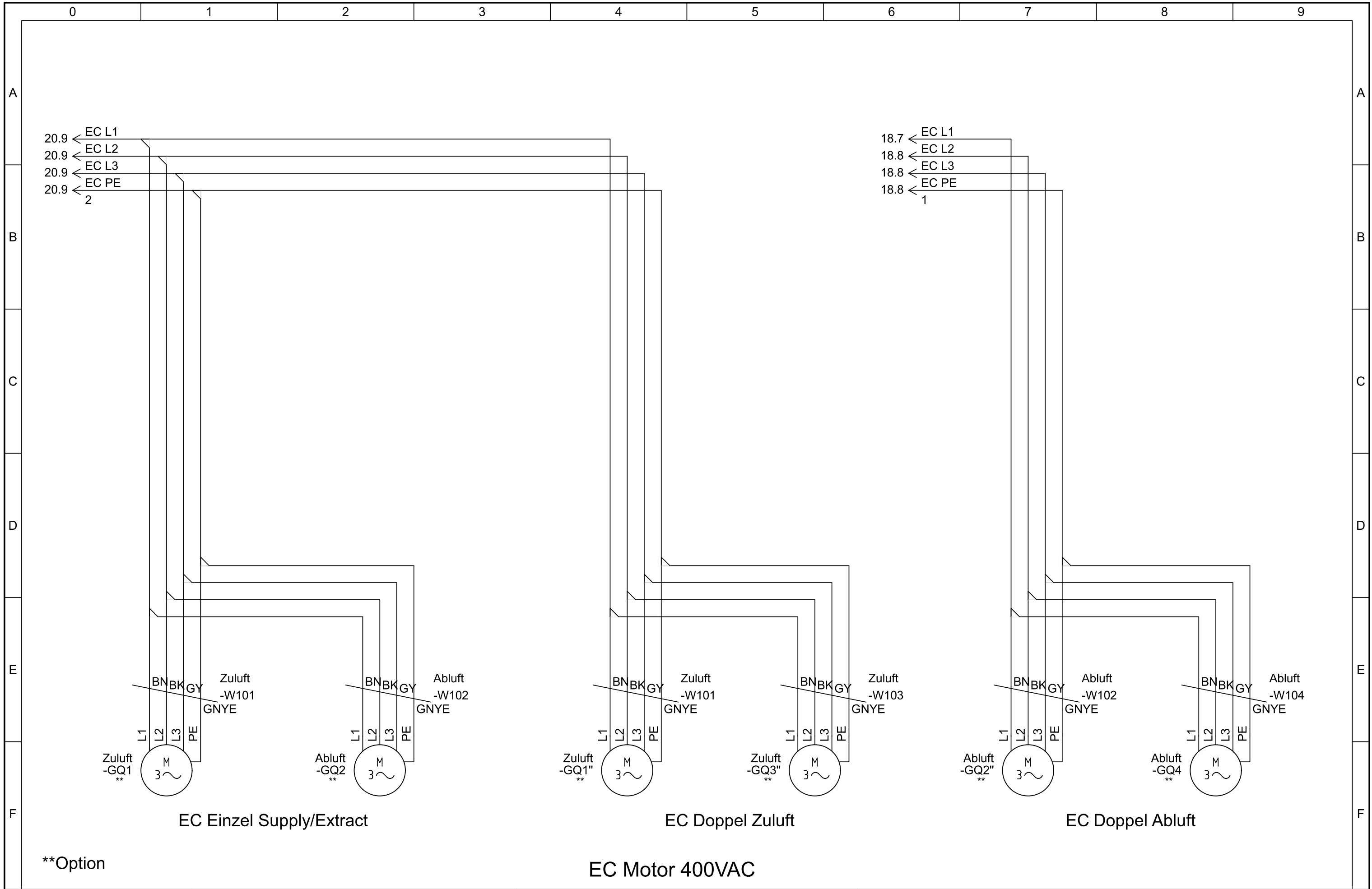
**Option





**Option



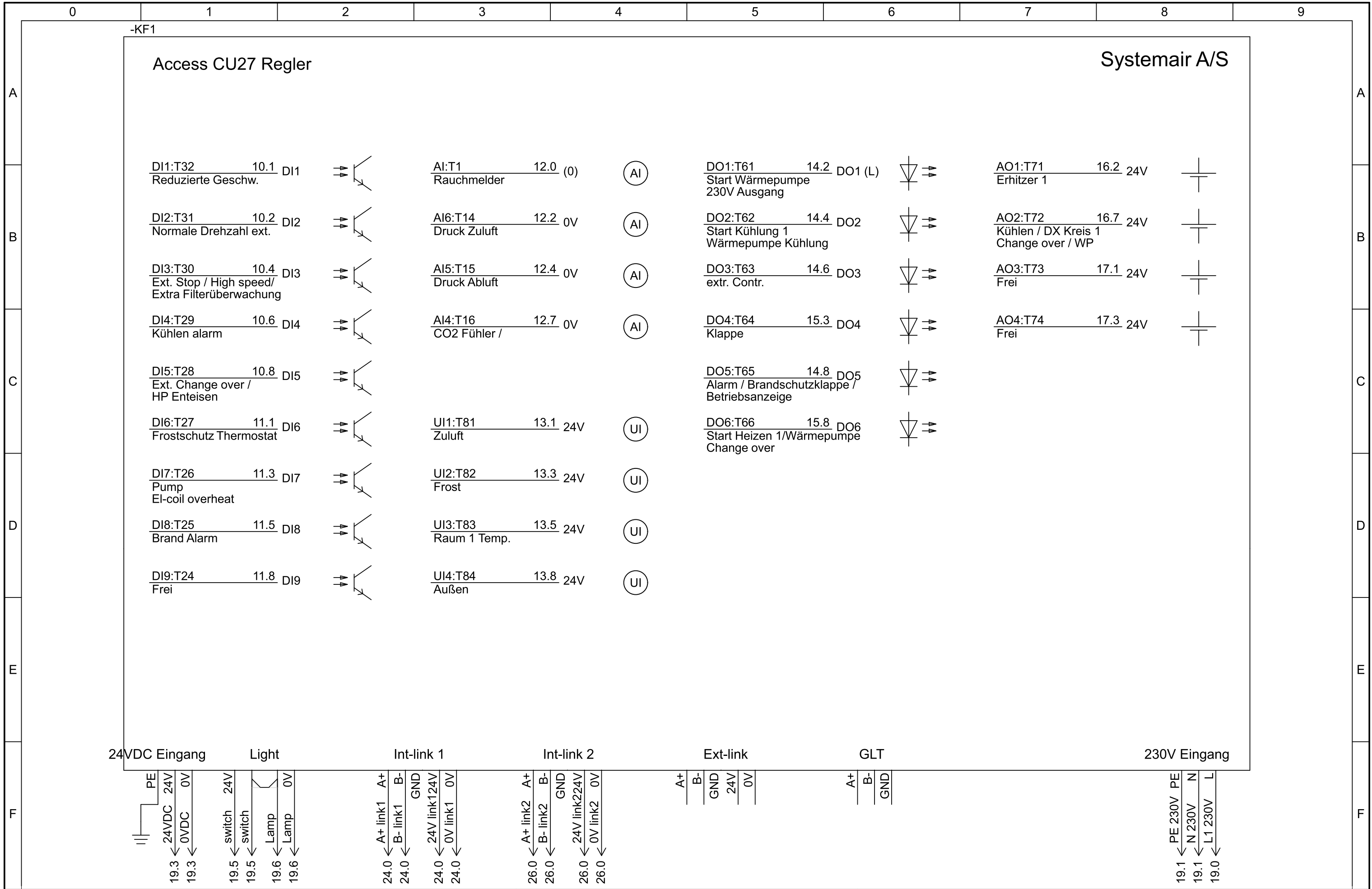


**Option

EC Motor 400VAC

	Geniox Access CU27 Regler	Stromversorgung for EC Ventilator 400V	Projekt: Geniox-Core CS 41.04.02 DE	Rev.: 41.04.02	Blatt: 21
			Datum: 15-01-2020	Initialien: MIKE	Gesamt Unterlage: 19

Nächstes Blatt
22



Geniox
Access CU27 Regler

Access CU27 Regler

Projekt: Geniox-Core CS 41.04.02 DE

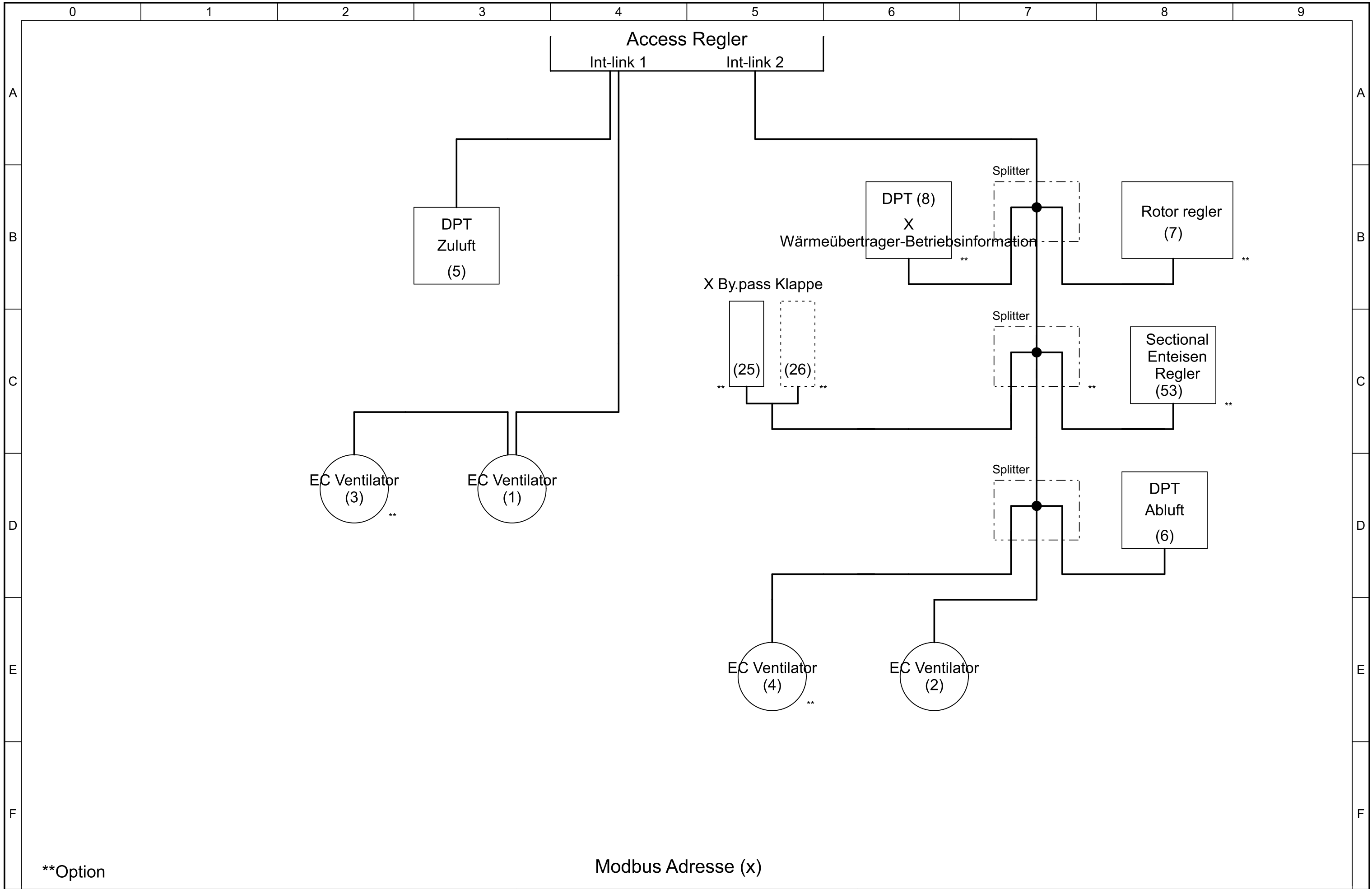
Rev.: 41.04.02

Blatt: 22

Datum: 15-01-2020

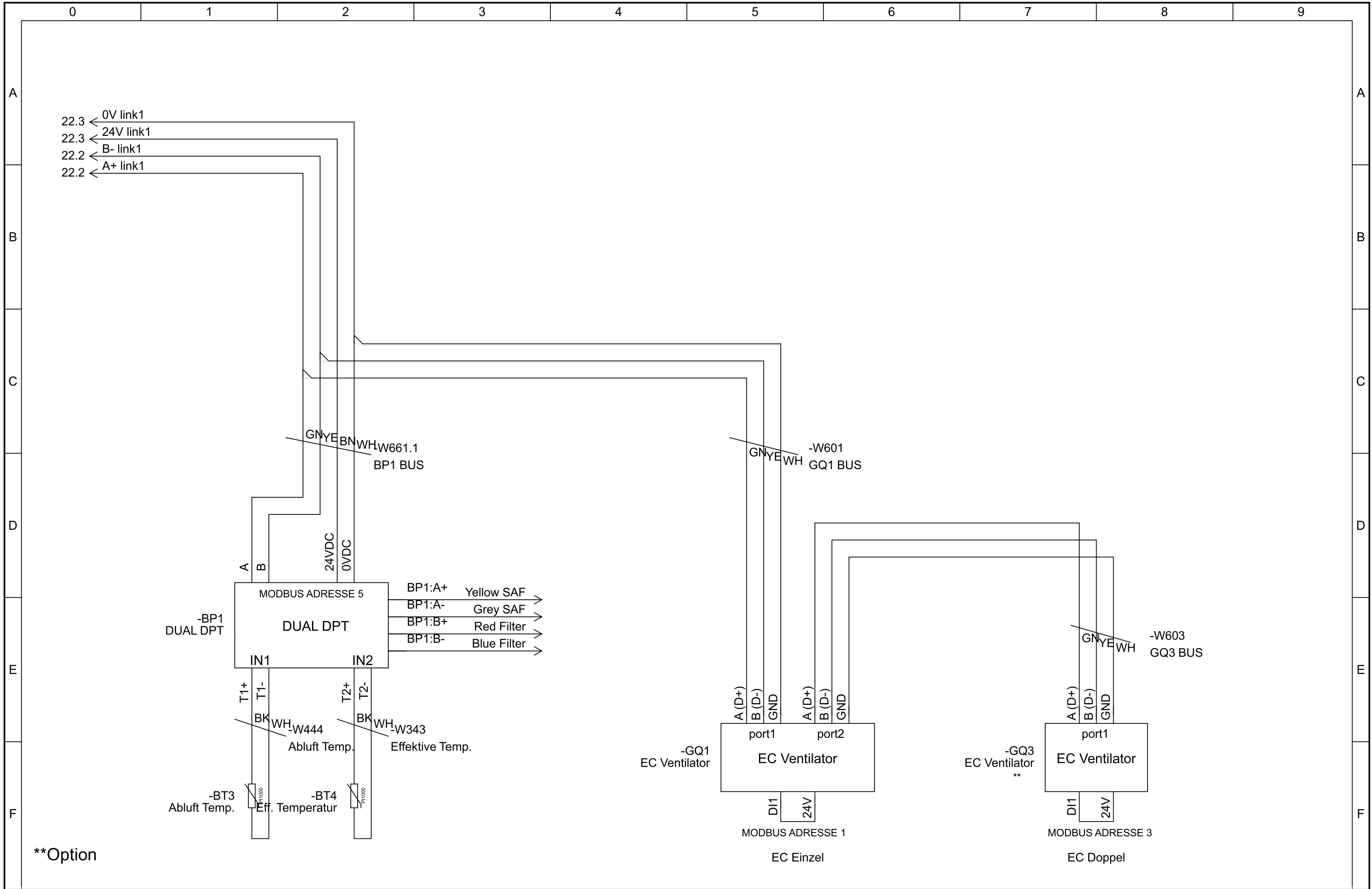
Initialien: MIKE

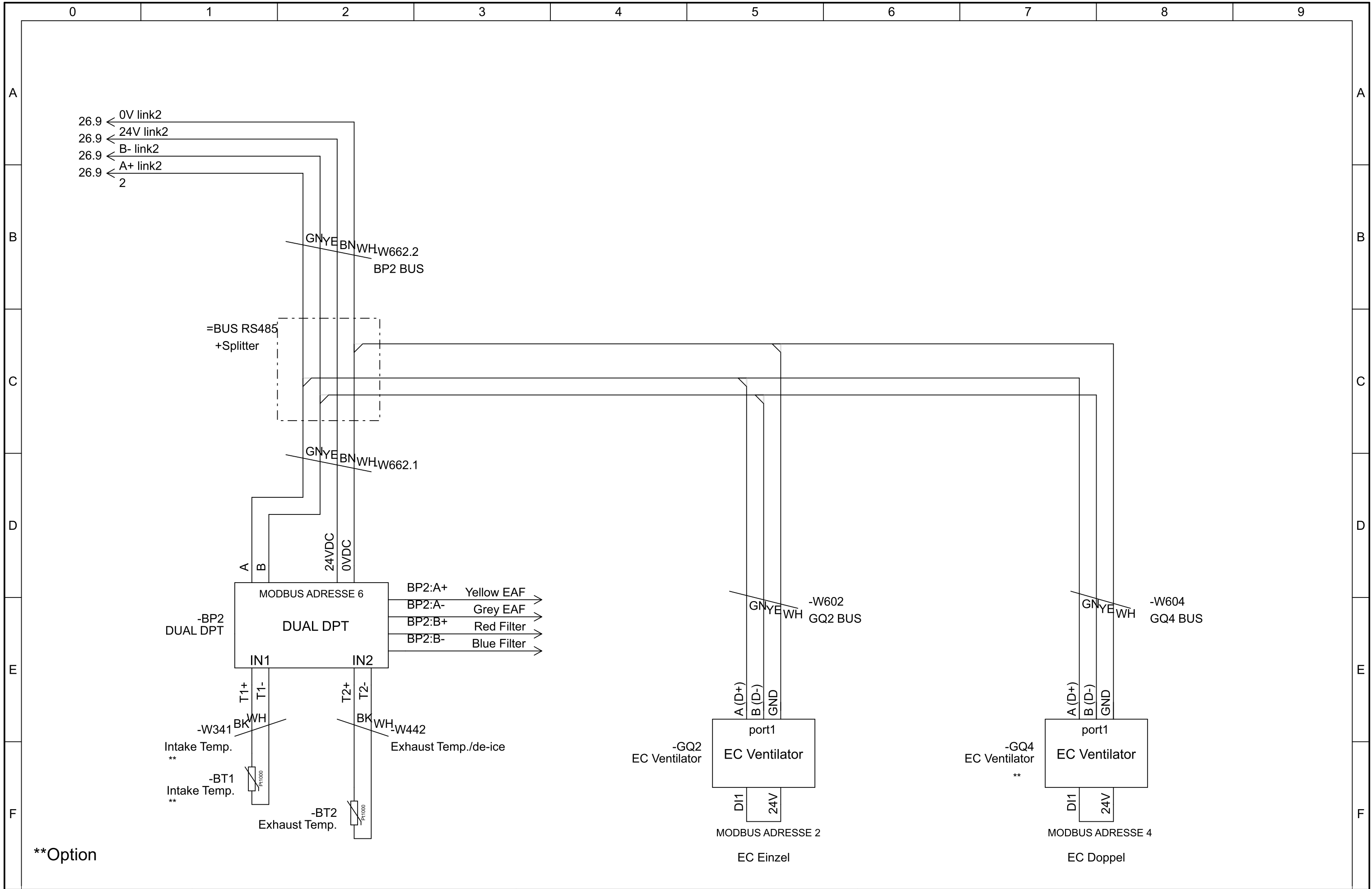
Gesamt Unterlage: 19
Nächstes Blatt: 23

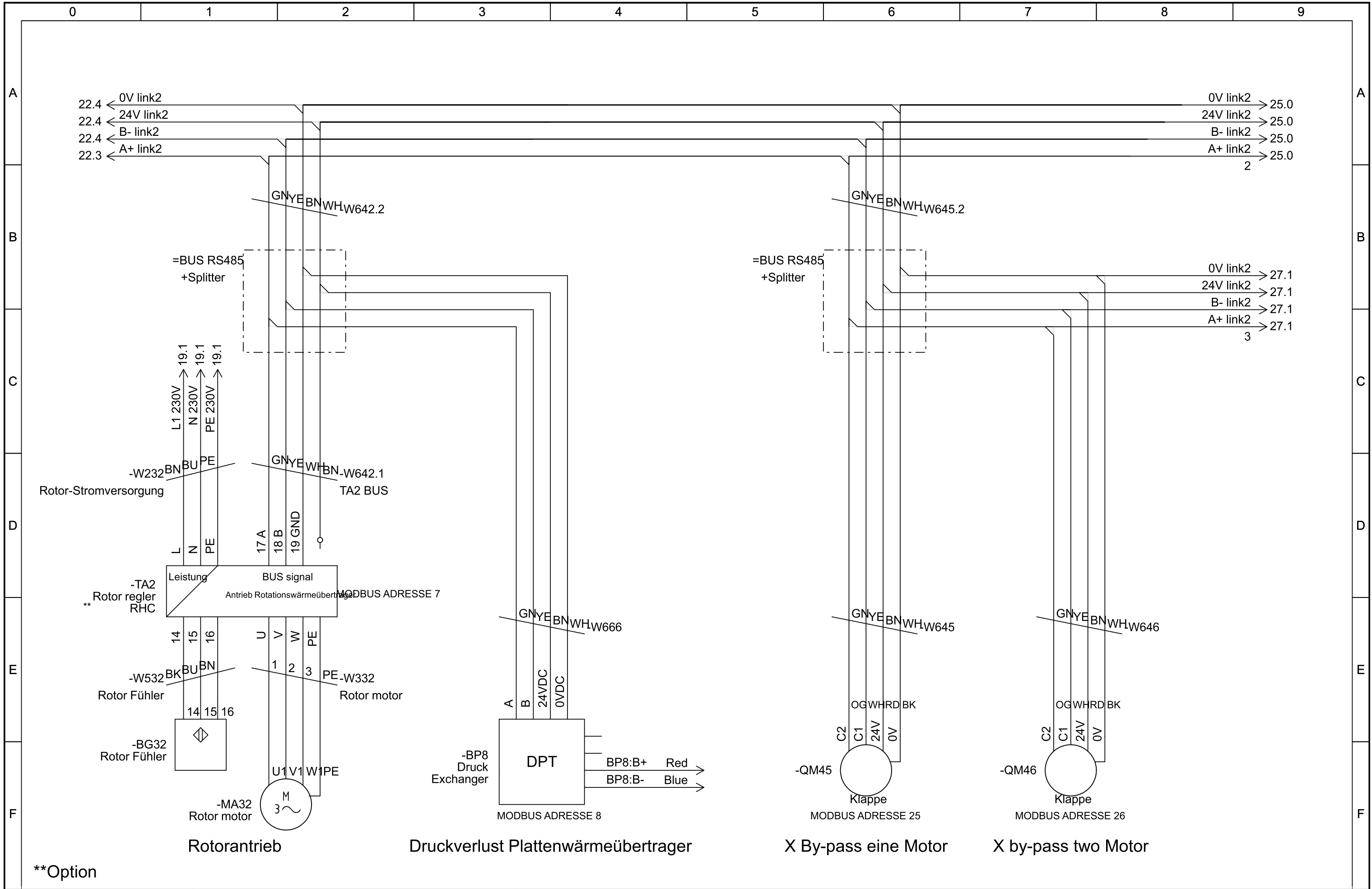


**Option

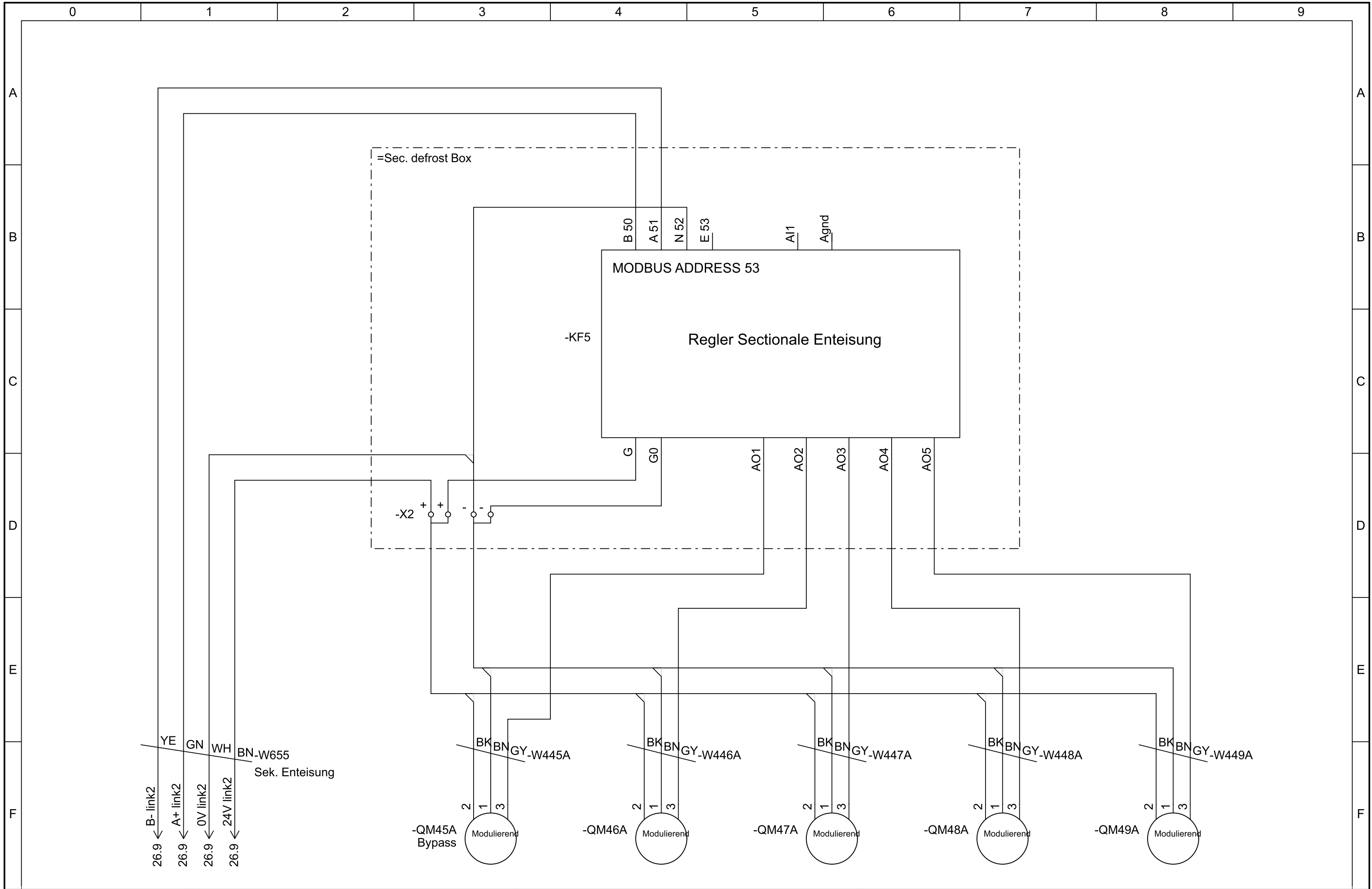
Modbus Adresse (x)







**Option



Address list

Systemair settings of ECblue Modbus

Address	Component: Code
1	Supply air fan 1: GQ1
2	Extract air fan 1: GQ2
3	Supply air fan 2: GQ3
4	Extract air fan 2: GQ4
5	Dual pressure transmitter supply: BP1
6	Dual pressure transmitter extract: BP2
7	RHC (Rotor drive system): TA2
8	Pressure Exchanger: BP8
25	Plate exchanger by-pass: QM45
26	Plate exchanger "by-pass" 2: QM46
53	Sectional Defrost control: KF5

COM Baudrate: 9600Bd

COM Mode: 8N1

BUS Address: Supply air, 1 and (3, Twin fans)

Extract air, 2 and (4, Twin fans)

D1: 19D

D1 is set to disable internal safety functions that protects the motor (fire mode)

Normal speed control of the fan is possible in this mode.

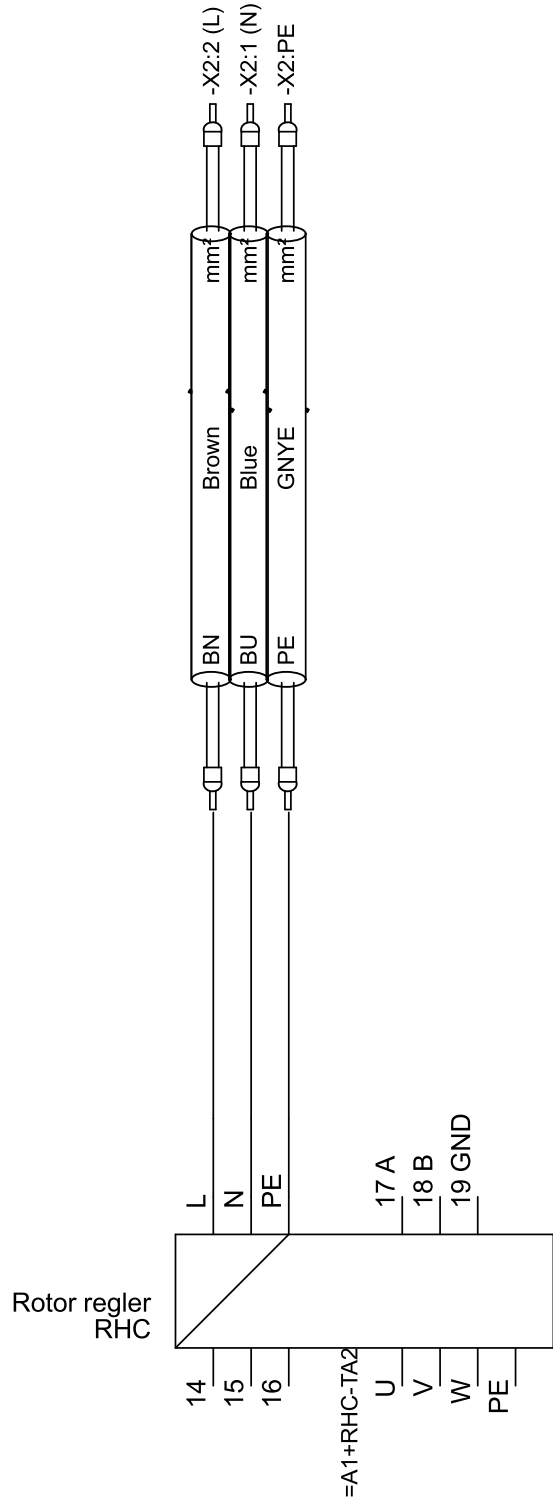
Function is active if D1 is open = no signal.

Anschlussplan

Pfad
Blatt

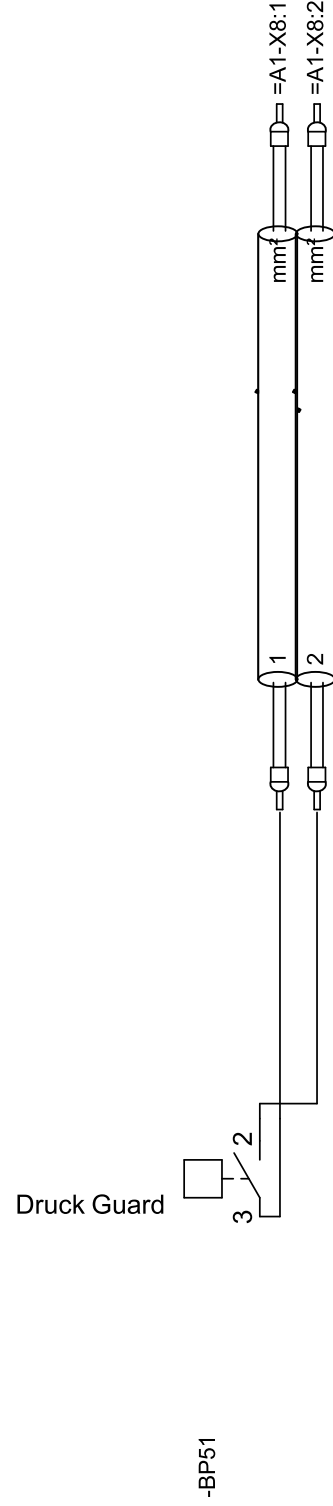
Anmerkung: Rotor-Stromversorgung
Cable-type:

-W232



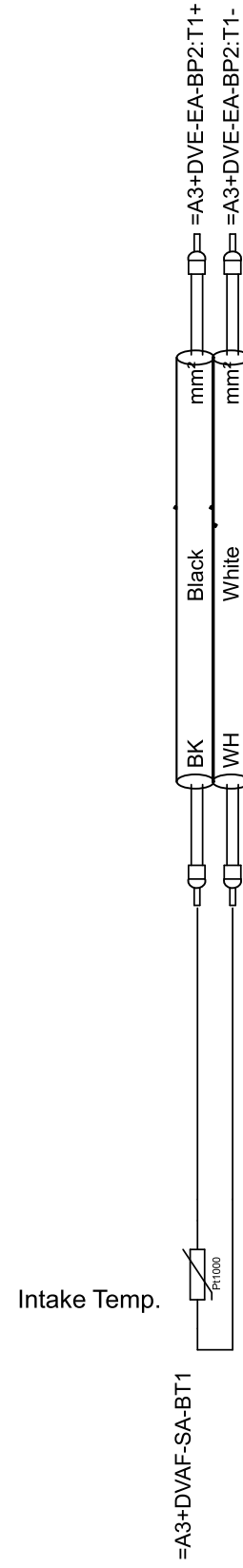
-W251

Anmerkung:
Cable-type:



-W341

Anmerkung: Intake Temp.
Cable-type:



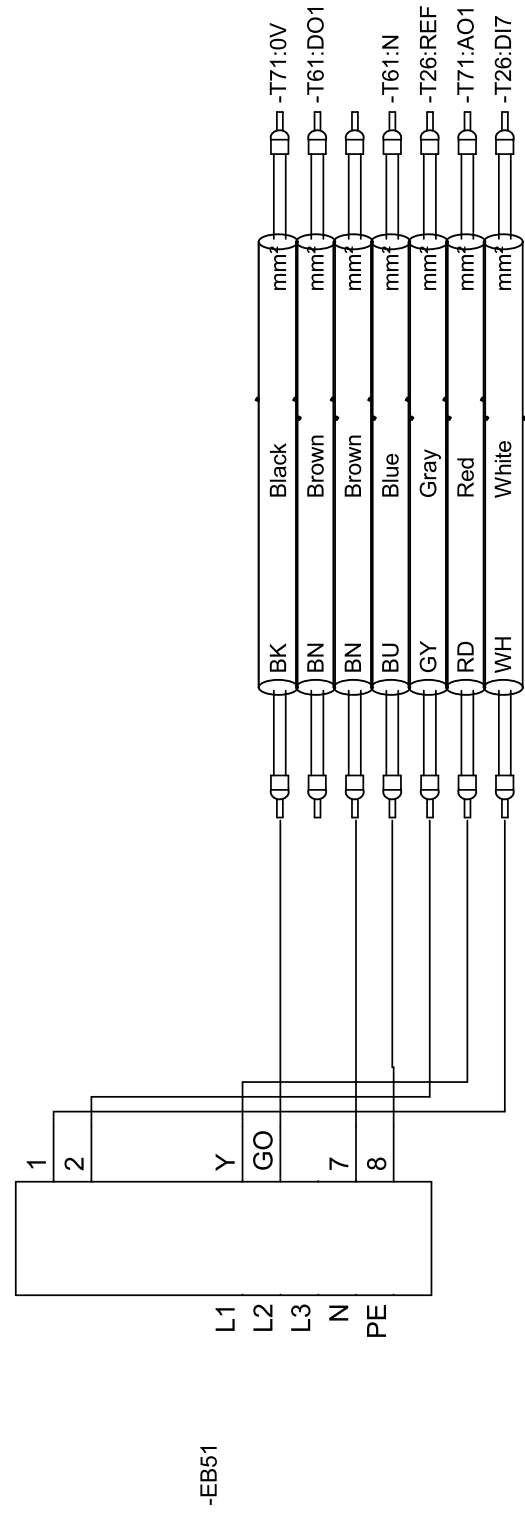
Anschlussplan

Pfad
Blatt

Anmerkung: Elektroerhitzer
Cable-type:

-W351

Elektroerhitzer



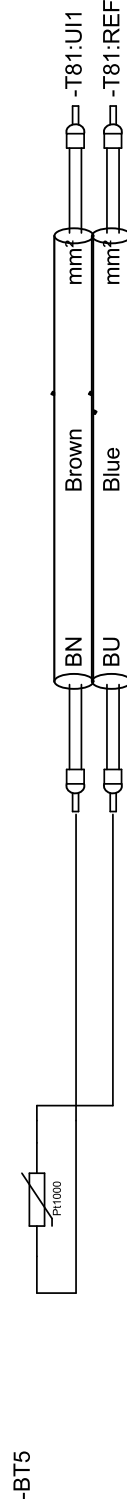
16
16
16
16
16
16
16

4
4
4
4
3
4
3

-W355

Anmerkung: Temperaturfühler Zuluft
Cable-type:

Zuluft
Kanalfühler



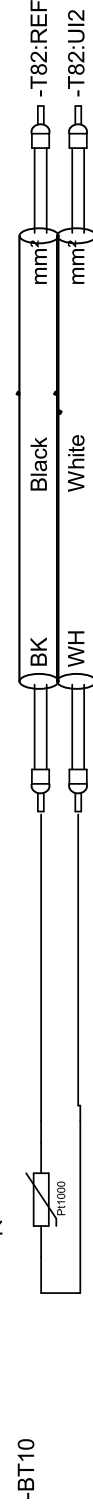
13
13

1
1

-W357

Anmerkung: Frostschutz Heizregister
Cable-type:

Frostschutz
Pt 1000



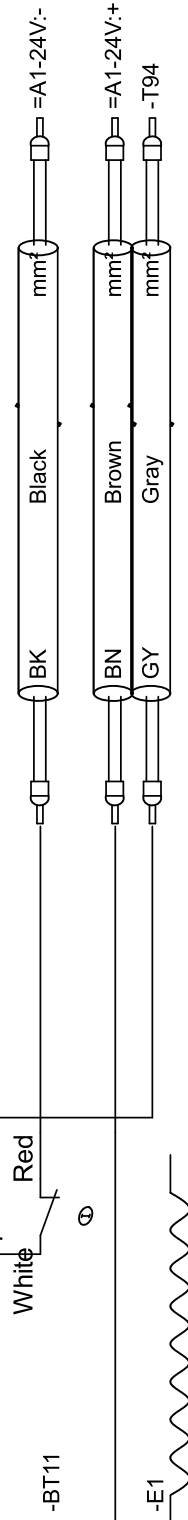
13
13

4
3

-W359

Anmerkung: Frostschutz Thermostat
Cable-type:

Kapillar-Fühler



11
11
11

2
2
1

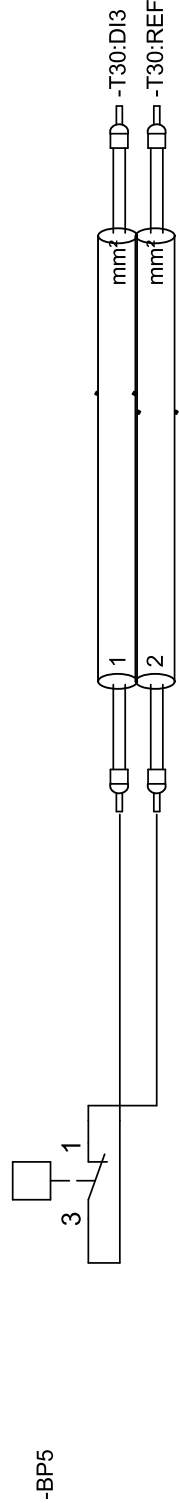
Anschlussplan

Pfad	Blatt
4	10
4	10
3	27
3	27
3	27
4	27
4	27
4	27
5	27
6	27
6	27

Anmerkung: Extra Filterüberwachung
Cable-type:

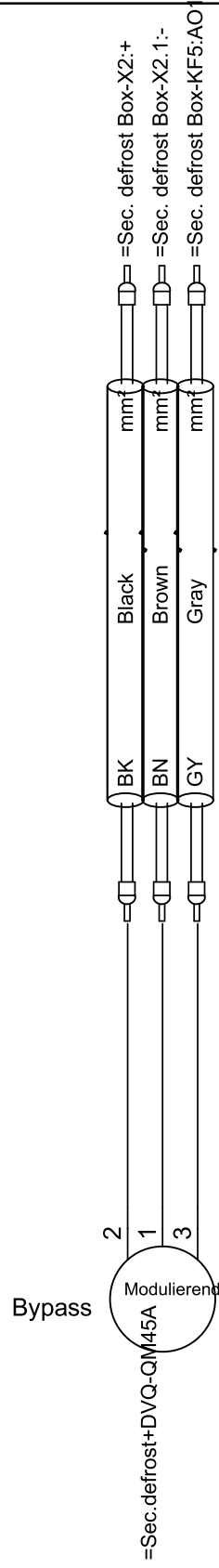
-W363

Extra Filterüberwachung
Supply air



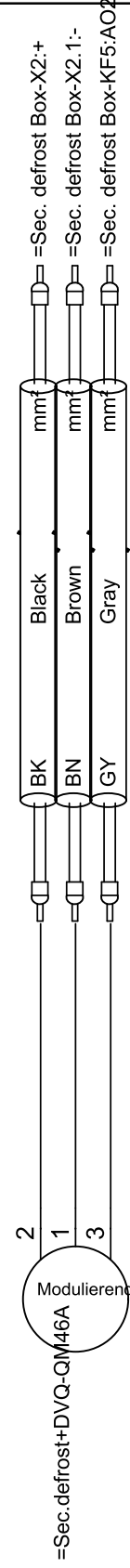
Anmerkung:
Cable-type:

-W445A



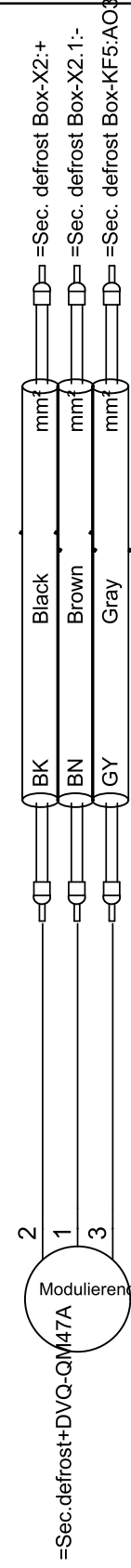
Anmerkung:
Cable-type:

-W446A



Anmerkung:
Cable-type:

-W447A

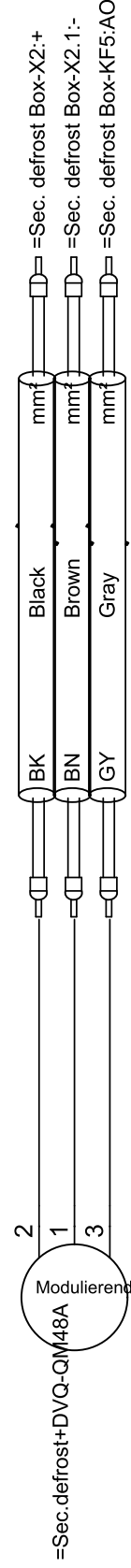


Anschlussplan

Pfad	Blatt
7	27
7	27
7	27
8	27
8	27
8	27
6	11
6	11
6	11
6	11

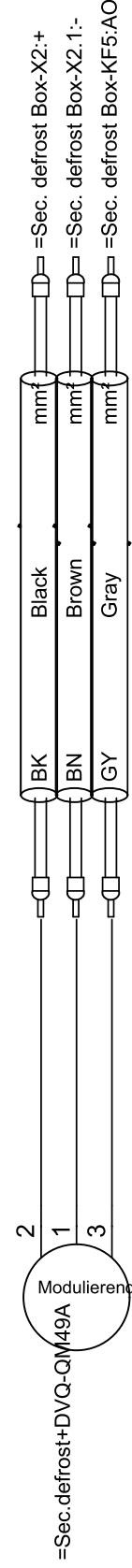
-W448A

Anmerkung:
Cable-type:



-W449A

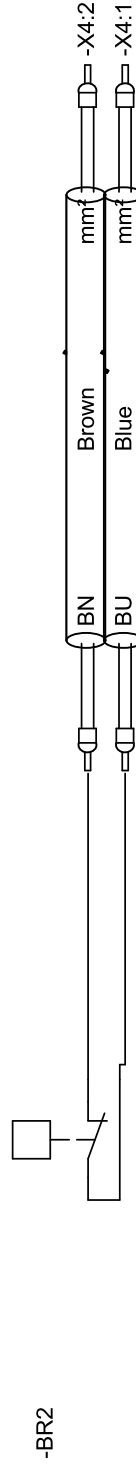
Anmerkung:
Cable-type:



-W456

Anmerkung: Brandschutzthermostat Abluft
Cable-type:

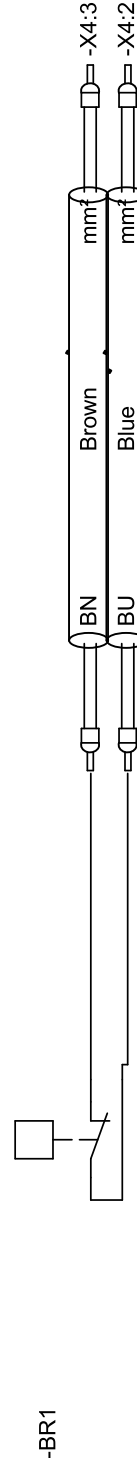
Brand Thermostat



-W457

Anmerkung: Brandschutzthermostat
Cable-type: 2x0,75mm2

Brand Thermostat



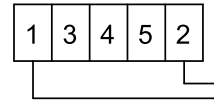
Anschlussplan

Pfad
Blatt

Anmerkung: Rauchmelder
Cable-type:

-W458

Rauchmelder
**



-BQ3



0
12
12

-W507

Anmerkung: Außenluft-Fühler
Cable-type:

Außen Temp.
Pt 1000



-BT7



8
13
13

-W508

Anmerkung: Raum 1 Temp.
Cable-type:

Raum 1
Pt 1000



-BT8

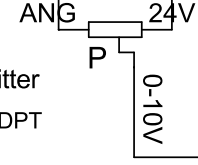


6
13
13

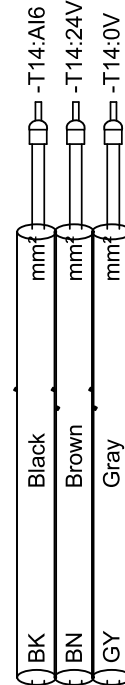
-W513

Anmerkung: Druckverlust Zuluft extern
Cable-type:

Drucktransmitter
DPT



-BP3



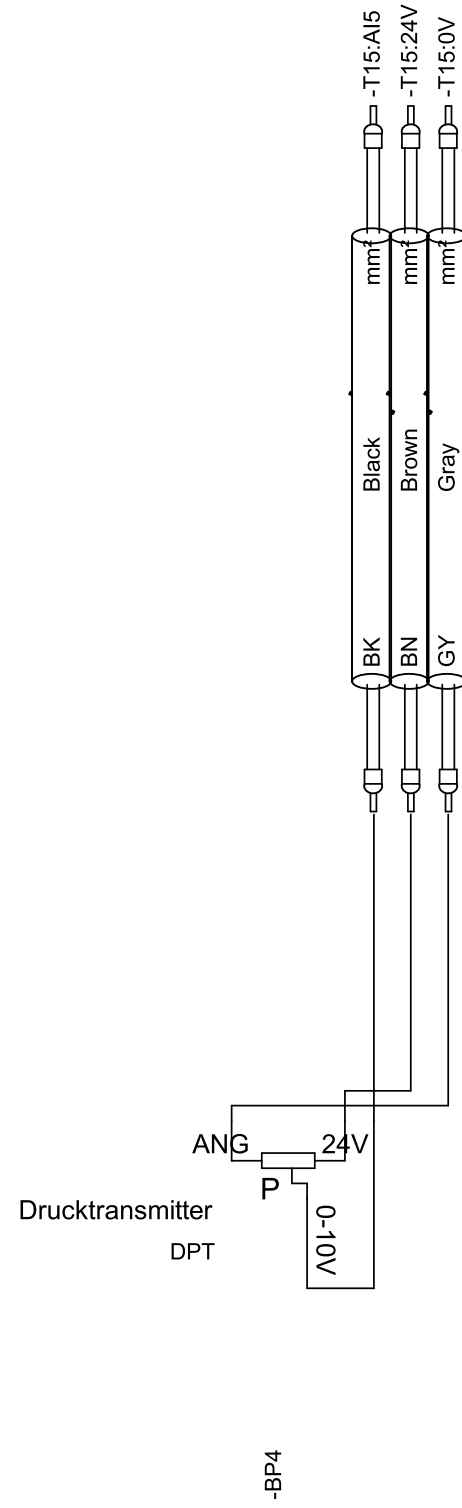
3
12
12
3
12
2

Anschlussplan

Pfad
Blatt

Anmerkung: Druckverlust Abluft extern
Cable-type:

-W514

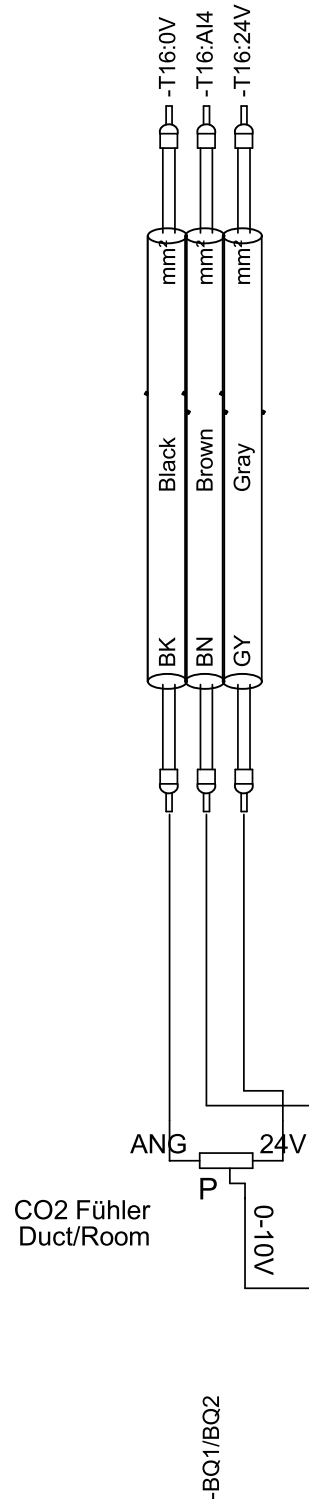


-BP4

4
5
4
12
12
12

-W515/516

Anmerkung: CO2-Fühler
Cable-type:

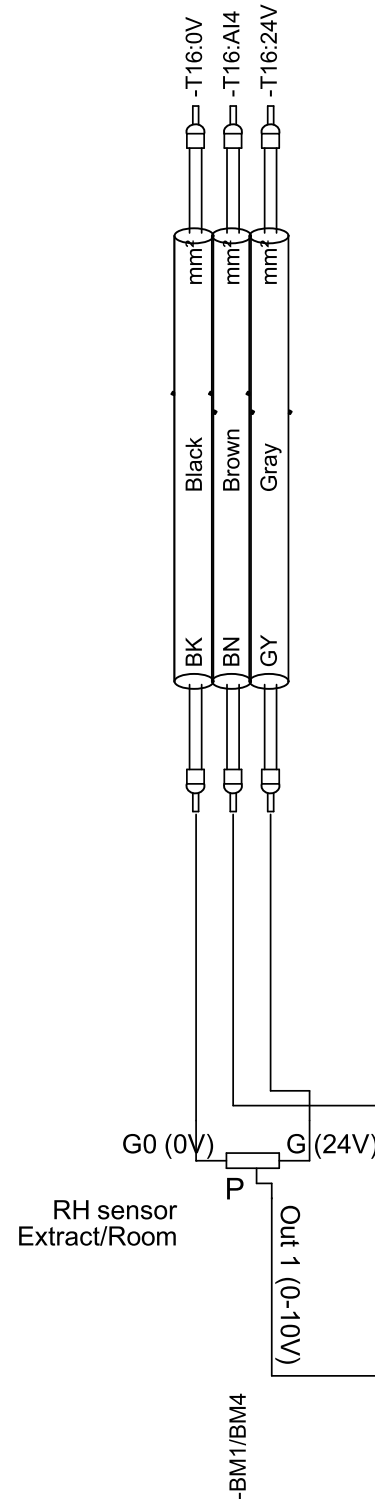


-BQ1/BQ2

6
6
7
12
12
12

-W517/W520

Anmerkung: RH sensor
Cable-type:

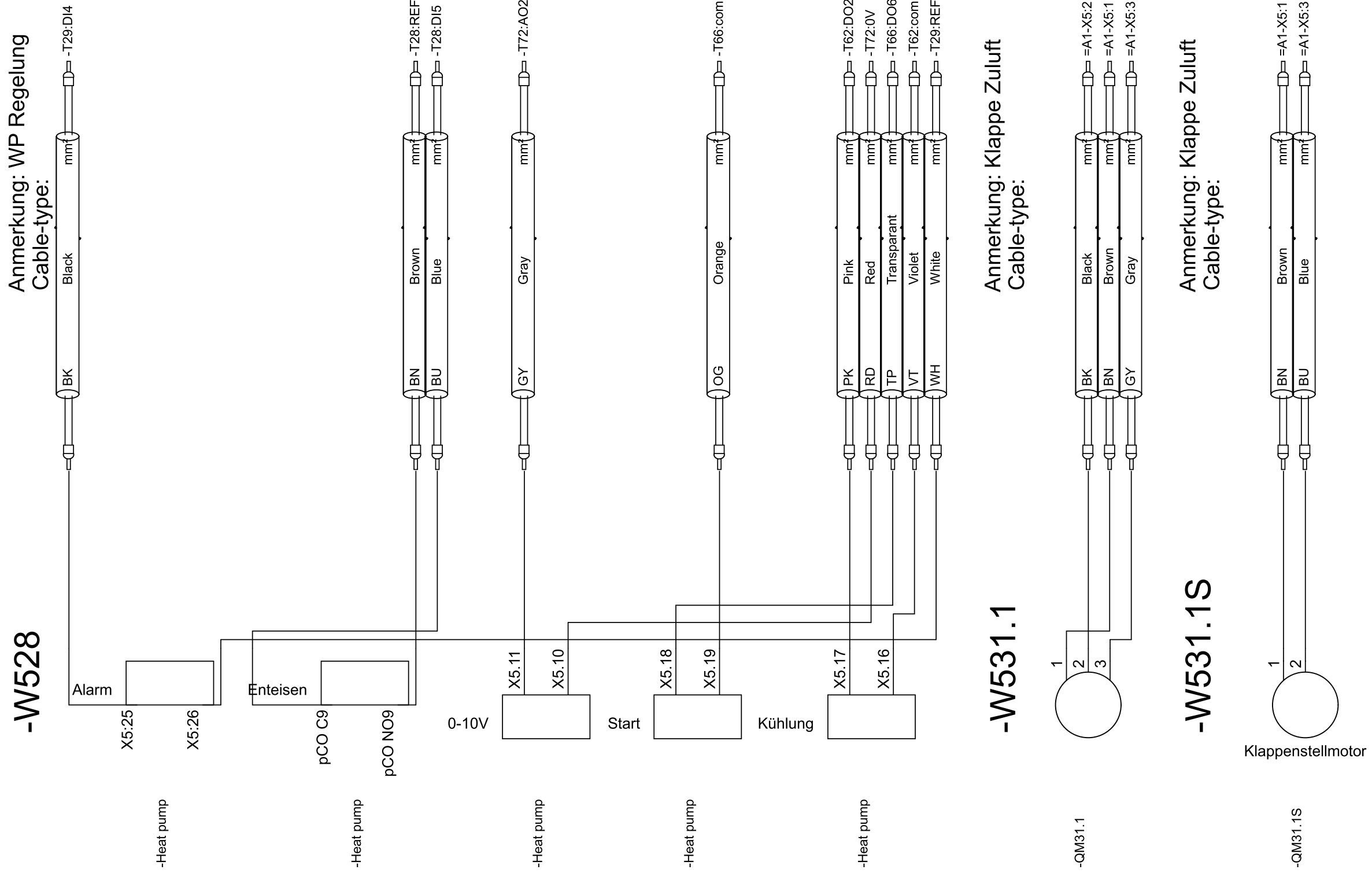


-BM1/BM4

8
8
8
12
12
12

Anschlussplan

Pfad	Blatt
6	10
9	10
8	10
8	16
9	15
4	14
8	16
9	15
5	14
6	10
0	15
0	15
0	15
1	15
1	15

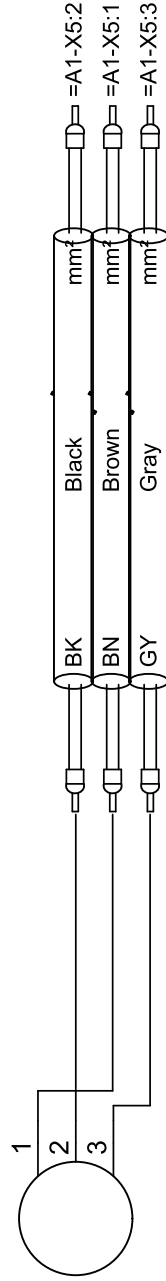


Anschlussplan

Pfad
Blatt

-W532.1

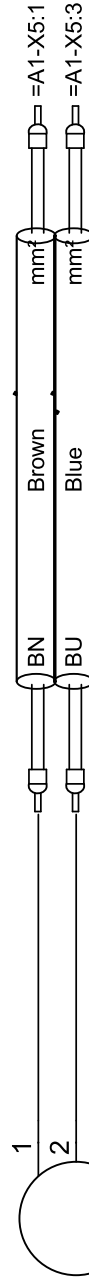
Anmerkung: Klappe Abluft
Cable-type:



-QM32.1

-W532.1S

Anmerkung: Klappe Abluft
Cable-type:

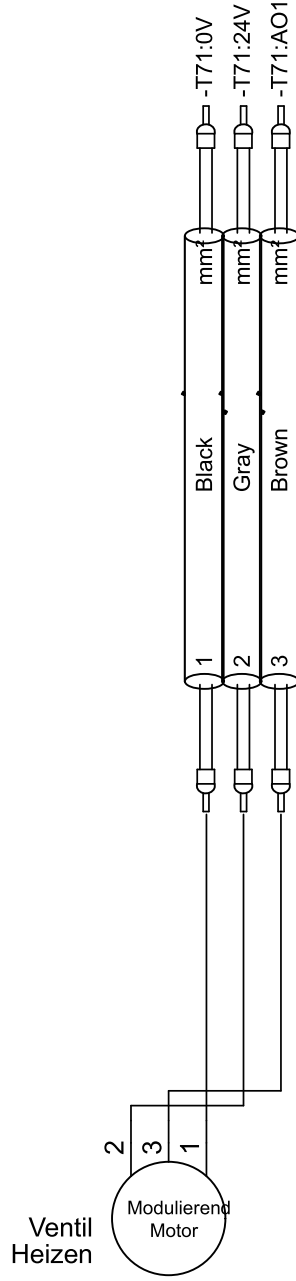


-QM32.1S

Klappenstellmotor

-W551

Anmerkung: Heizventil
Cable-type:



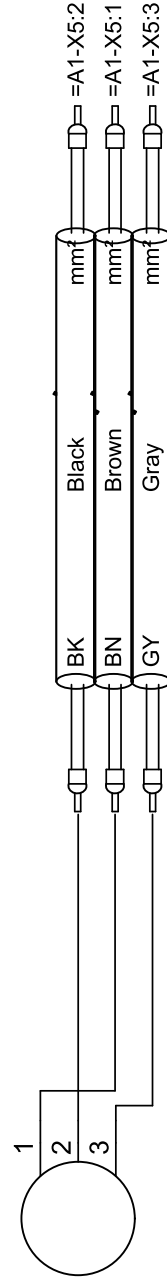
-QN51

Ventil
Heizen

Modulierend
Motor

-W571.1

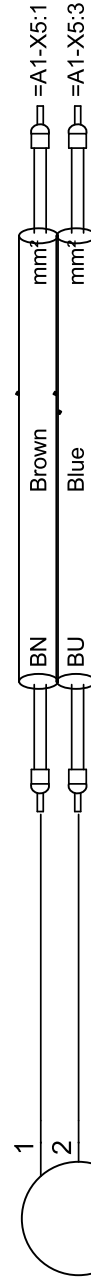
Anmerkung: Klappe Zuluft 2
Cable-type:



-QM71.1

-W571.1S

Anmerkung: Klappe Zuluft 2
Cable-type:

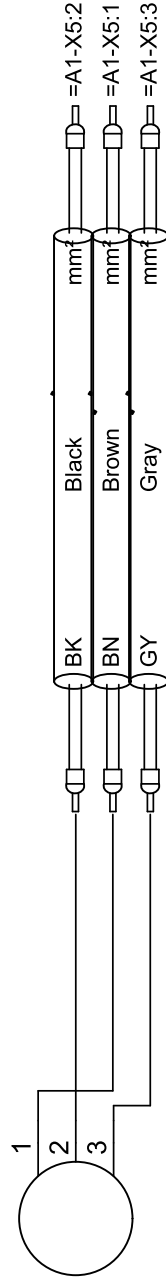


-QM71.1S

Klappenstellmotor

-W572.1

Anmerkung: Klappe Abluft 2
Cable-type:



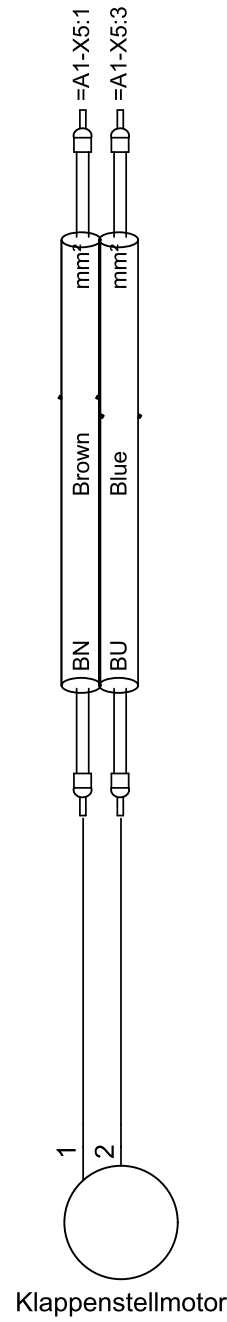
-QM72.1

Anschlussplan

Pfad	7	7	1	1	2	3	5	5	8	8
Blatt	15	15	10	10	10	10	10	10	10	10

-W572.1S

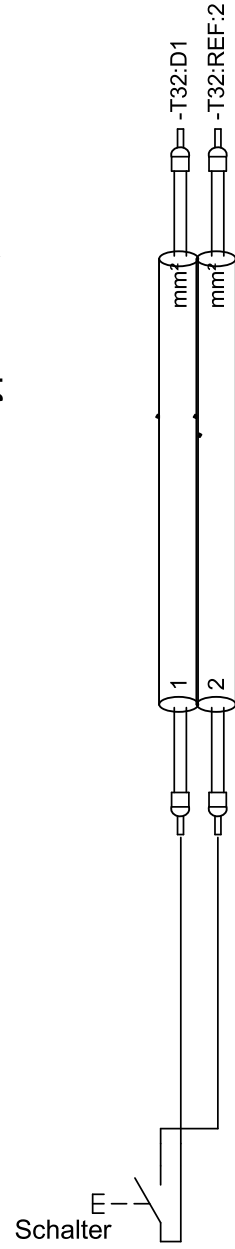
Anmerkung: Klappe Abluft 2
Cable-type:



-QM72.1S

-W580

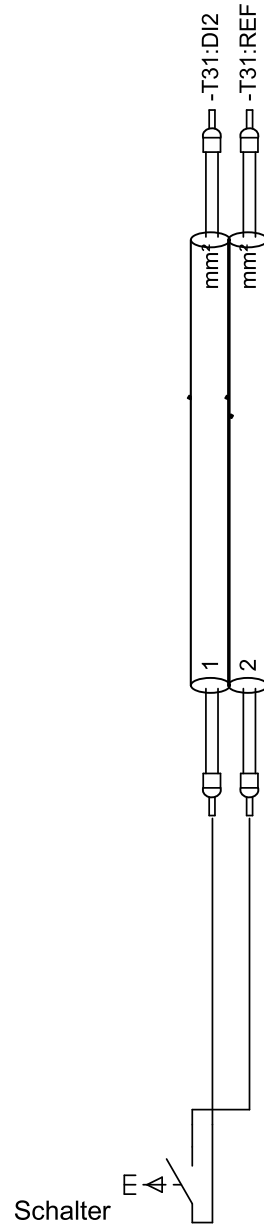
Anmerkung: Reduzierte Drehzahl
Cable-type: 2x0,75mm²



-SF2

-W581

Anmerkung: Normale Drehzahl extern
Cable-type:



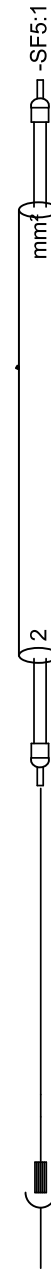
-SF3

-W583

Anmerkung: ext. Stop
Cable-type: 2x0,75mm²



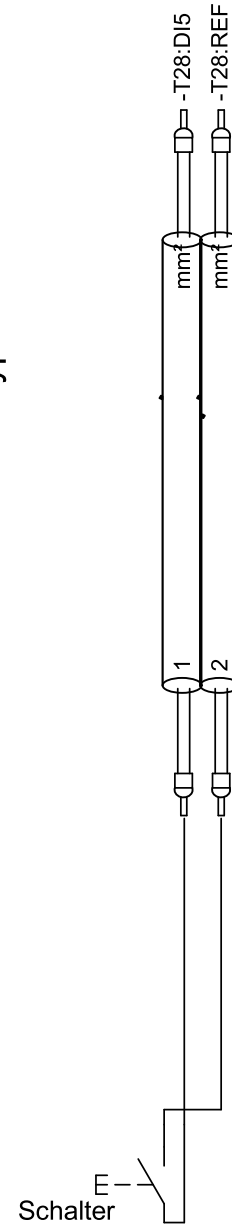
-T30:D13



-T30:REF

-W584

Anmerkung: Change over
Cable-type:



-SF6

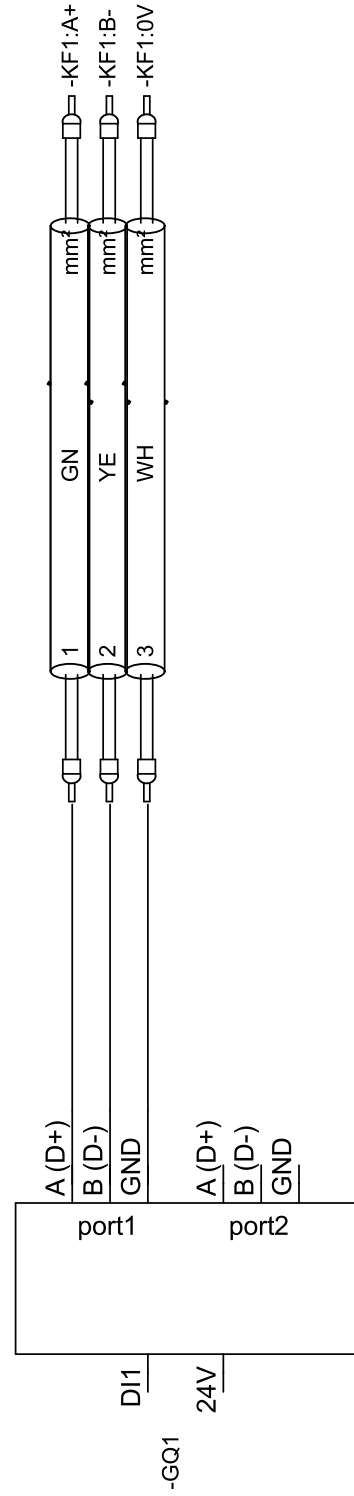
Anschlussplan

Pfad
Blatt

Anmerkung: GQ1 BUS
Cable-type: 4x0,6mm2

-W601

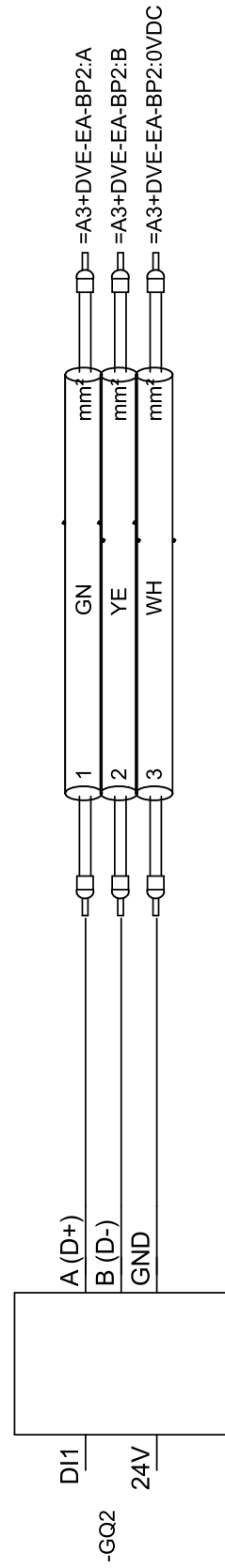
EC Ventilator



-W602

EC Ventilator

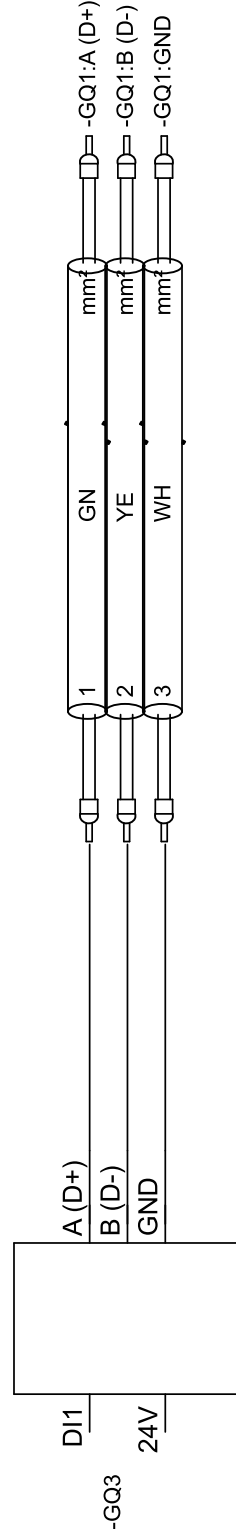
Anmerkung: GQ2 BUS
Cable-type: 4x0,6mm2



-W603

EC Ventilator

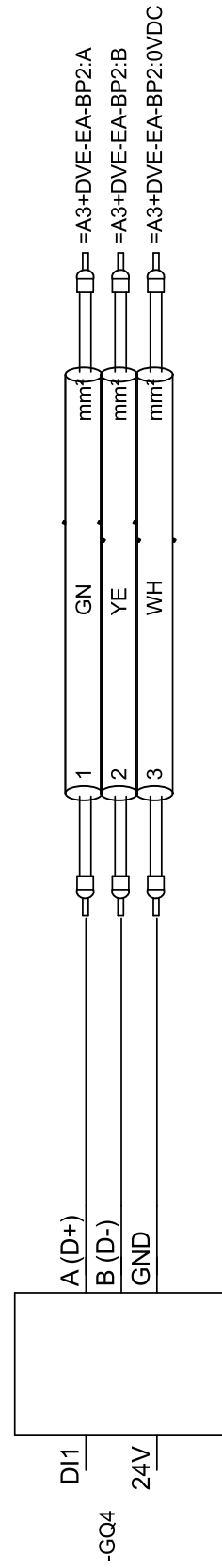
Anmerkung: GQ3 BUS
Cable-type: 4x0,6mm2



-W604

EC Ventilator

Anmerkung: GQ4 BUS
Cable-type: 4x0,6mm2



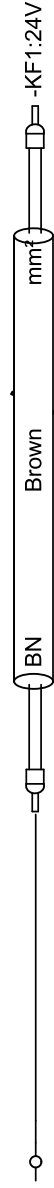
Blatt	24	24	24	25	25	25	24	24	24	25	25	25
Pfad	5	5	5	5	5	5	7	8	8	7	8	8

Anschlussplan

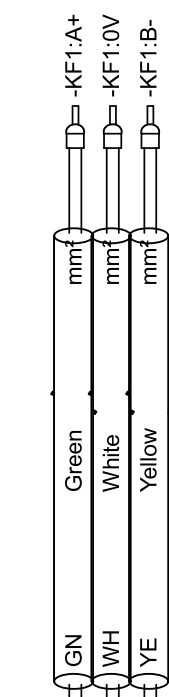
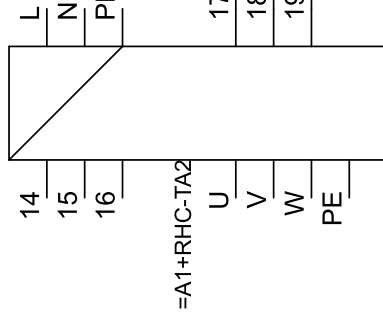
Pfad	Blatt
2	26
1	26
2	26
2	26
6	26
6	26
6	26
6	26
7	26
7	26
8	26
7	26

Anmerkung: TA2 BUS
Cable-type:

-W642.1

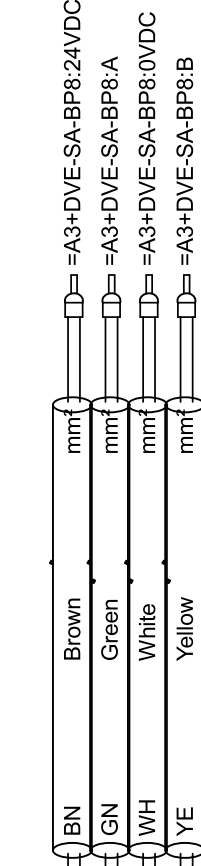
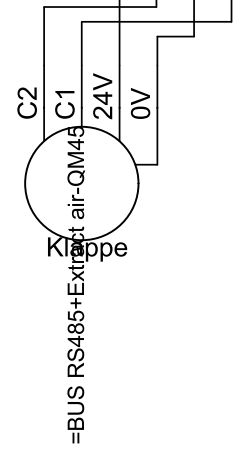


Rotor regler
RHC



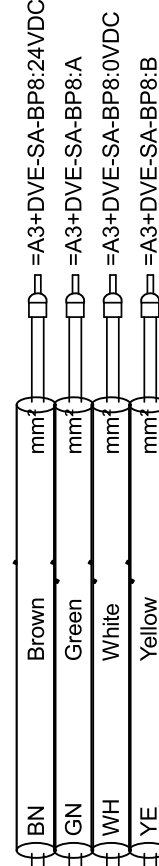
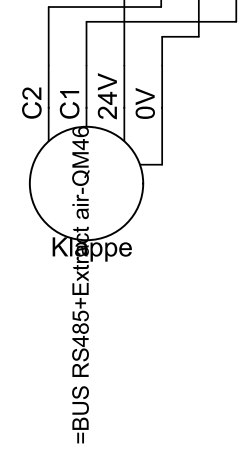
Anmerkung: Abluft
Cable-type:

-W645



Anmerkung: Abluft
Cable-type:

-W646

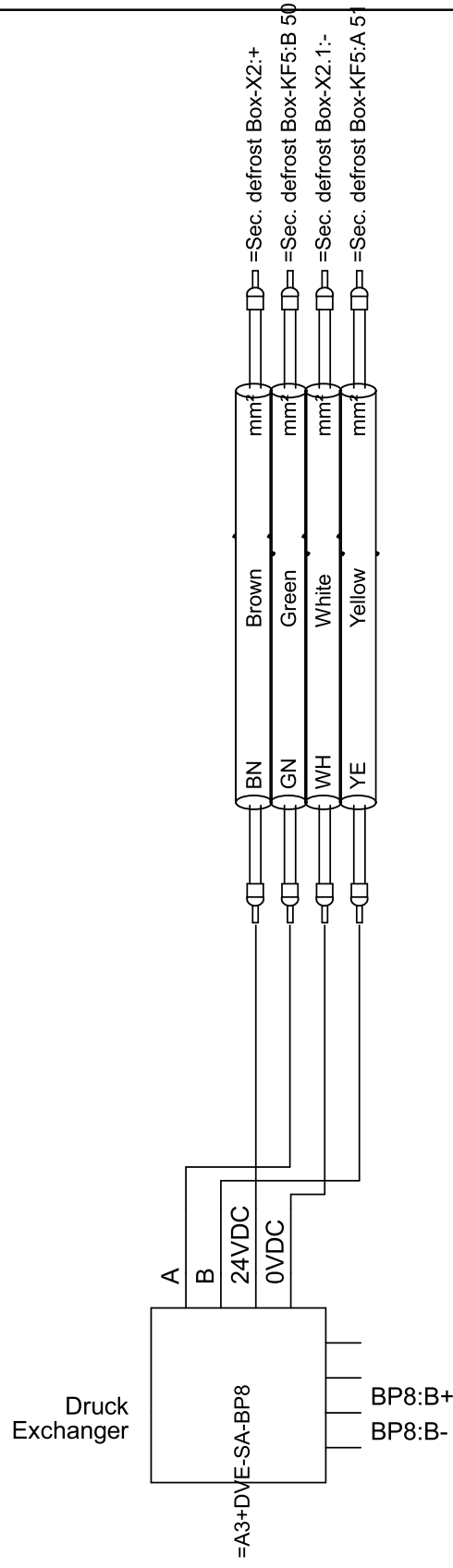


Anschlussplan

Pfad
Blatt

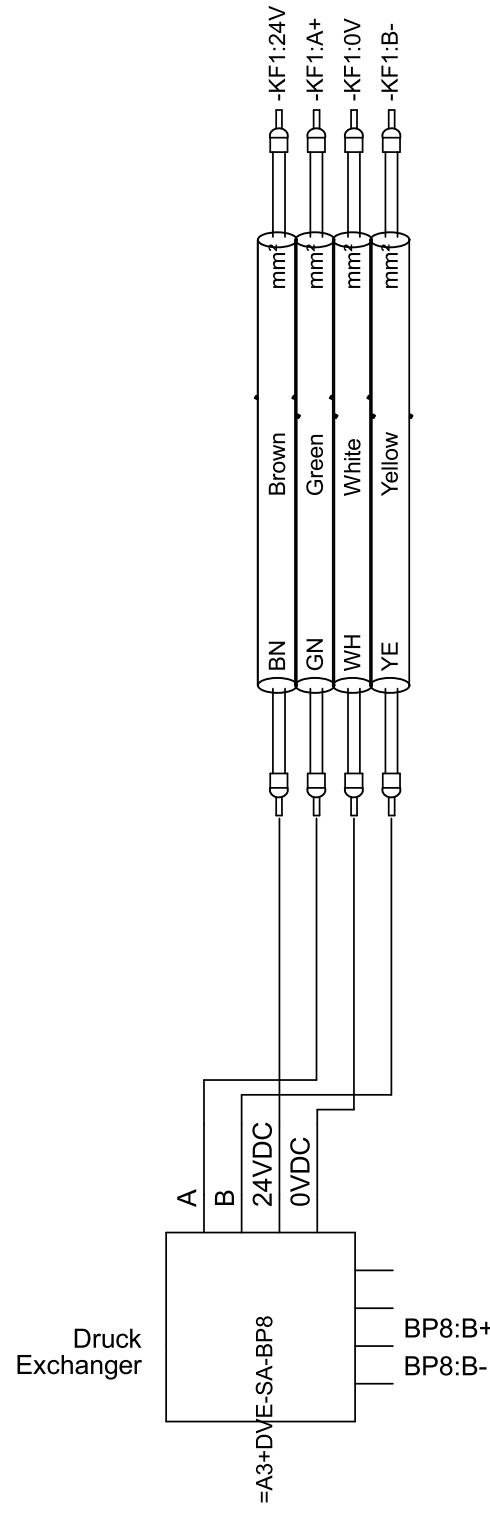
Anmerkung: Sek. Enteisung
Cable-type:

-W655



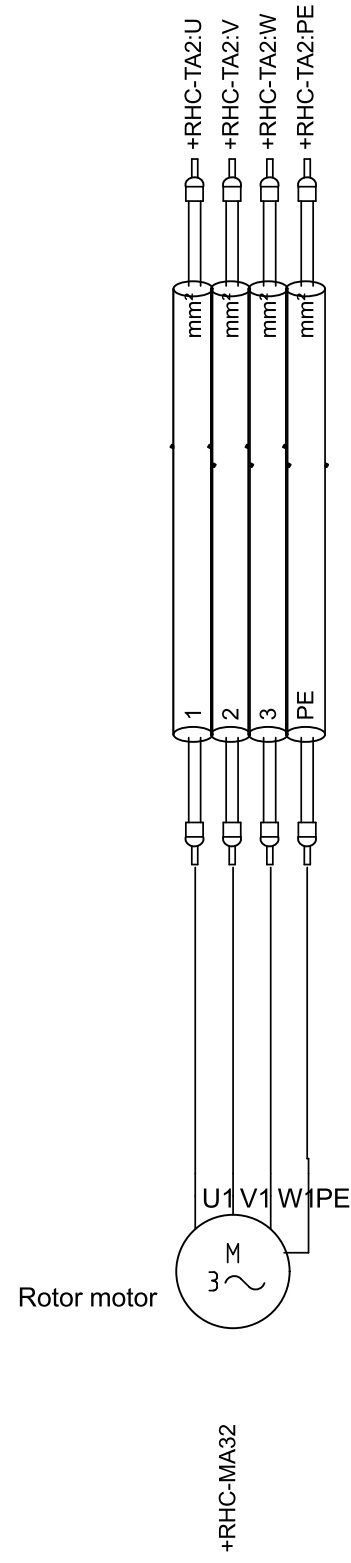
-W666

Anmerkung: Druckverlust Plattenwärme
Cable-type:



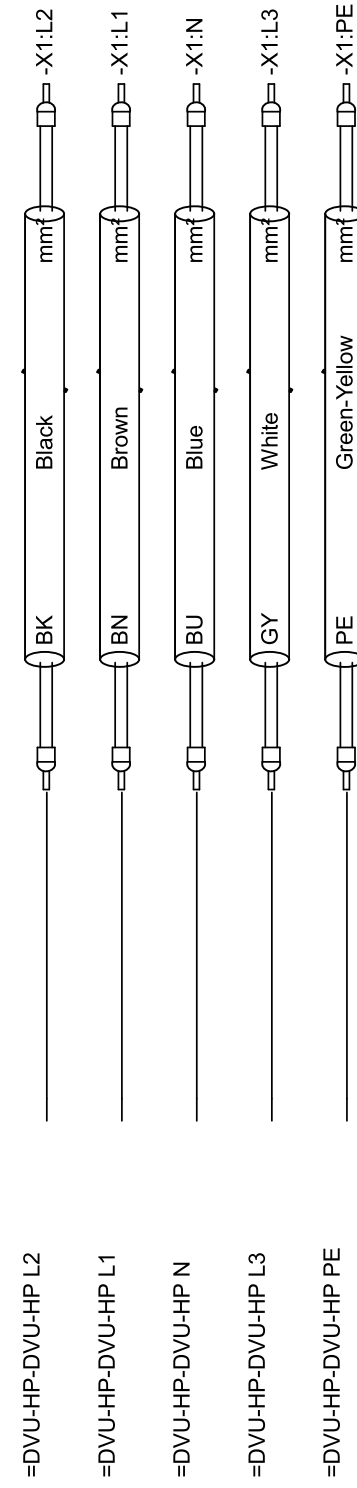
=A1-W332

Anmerkung: Rotor-Motor
Cable-type:



=A1-W529

Anmerkung: DVU-HP
Cable-type:



Blatt	27	27	27	27
Pfad	1	1	1	1

Blatt	26	26	26	26
Pfad	4	3	4	3

Blatt	26	26	26	26
Pfad	1	2	2	2

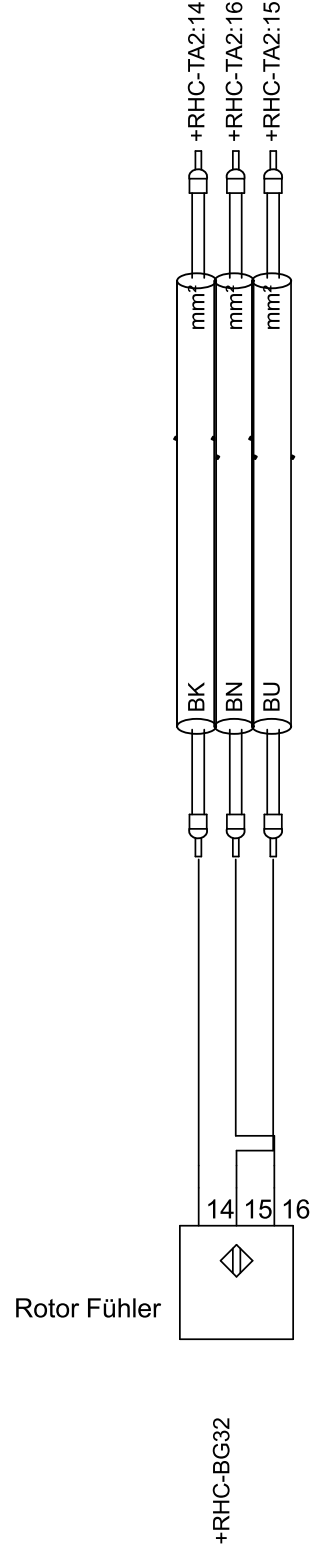
Blatt	18	18	18	18	18
Pfad	2	2	2	2	3

Anschlussplan

Pfad	Blatt
1	26
1	26
1	26
2	14
2	14
2	14
7	16
7	16
7	16
5	19
5	19
6	19
6	19

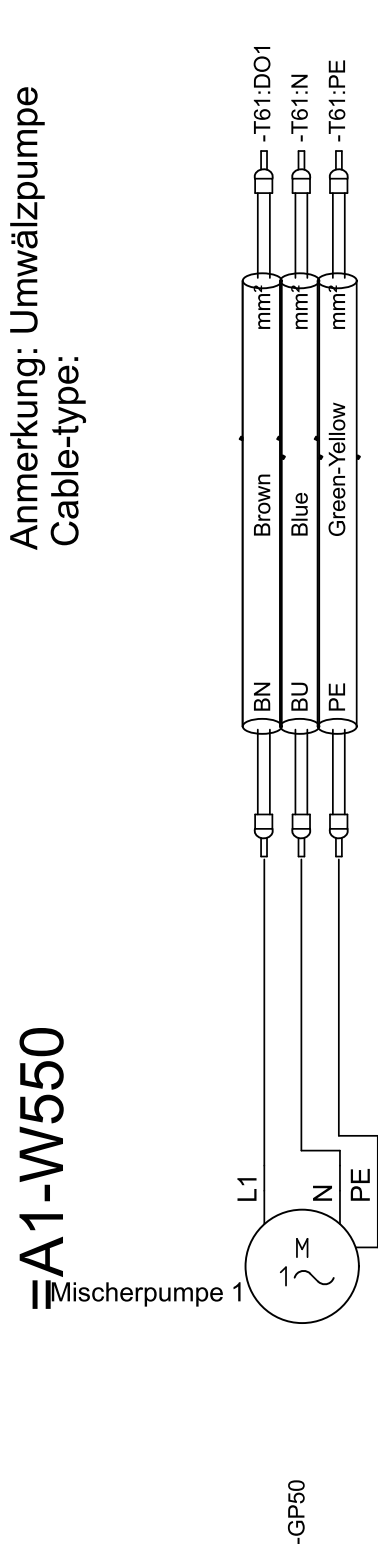
Anmerkung: Rotor-Sensor
Cable-type:

=A1-W532



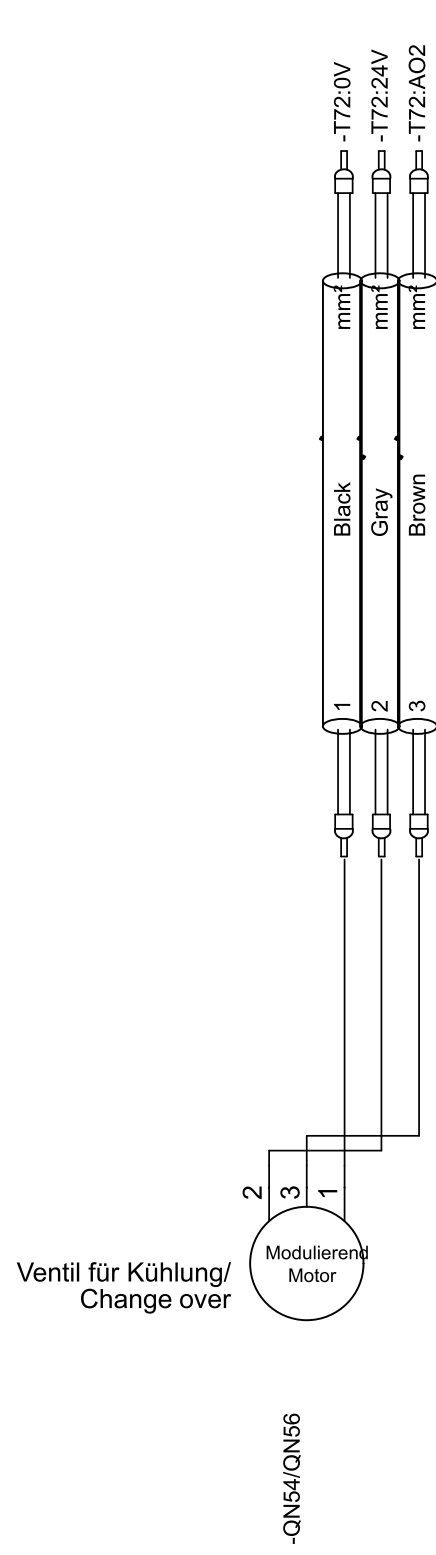
Anmerkung: Umwälzpumpe
Cable-type:

=A1-W550



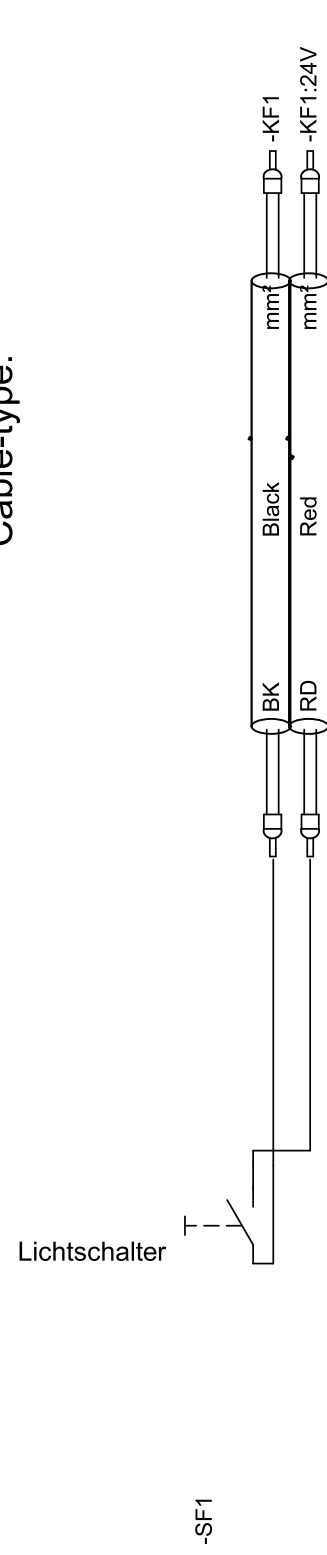
Anmerkung: Kühlventil
Cable-type:

=A1-W554



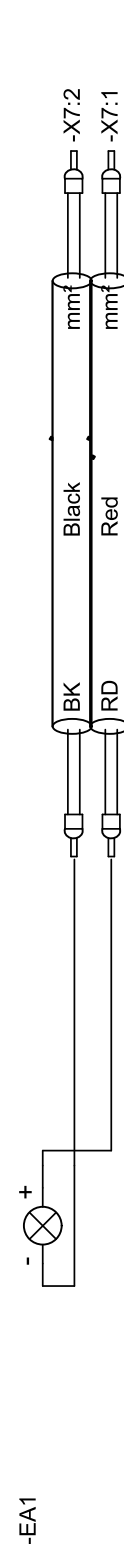
Anmerkung: Lichtschalter
Cable-type:

=A1-W700



Anmerkung: Licht P20
Cable-type:

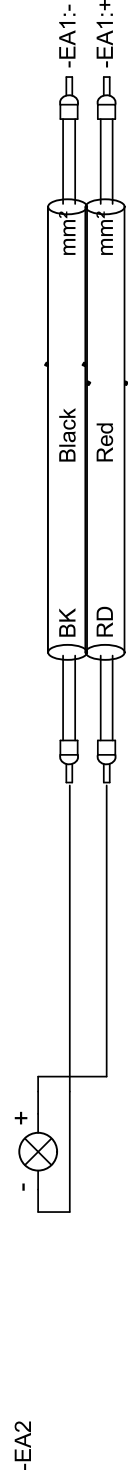
=A1-W701



Anschlussplan

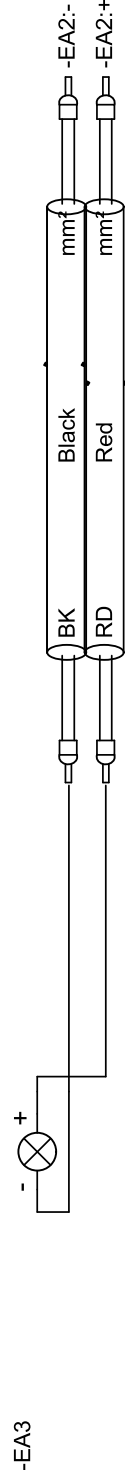
=A1-W702

Anmerkung: Licht P20
Cable-type:



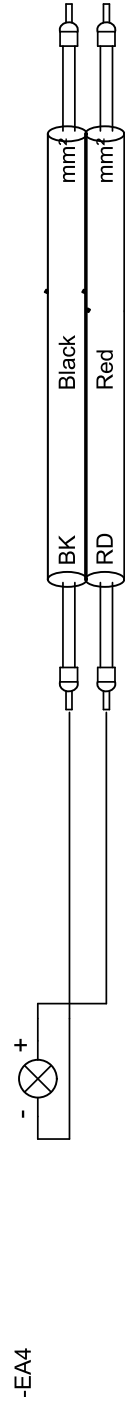
=A1-W703

Anmerkung: Licht P20
Cable-type:



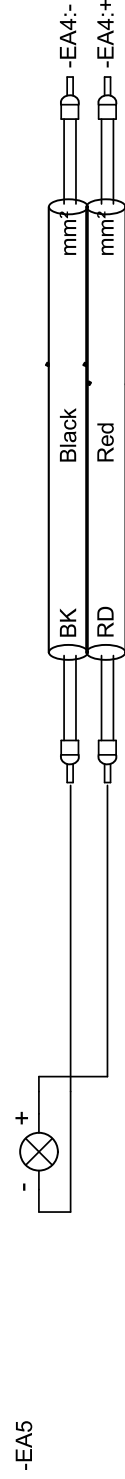
=A1-W704

Anmerkung: Licht P21
Cable-type:



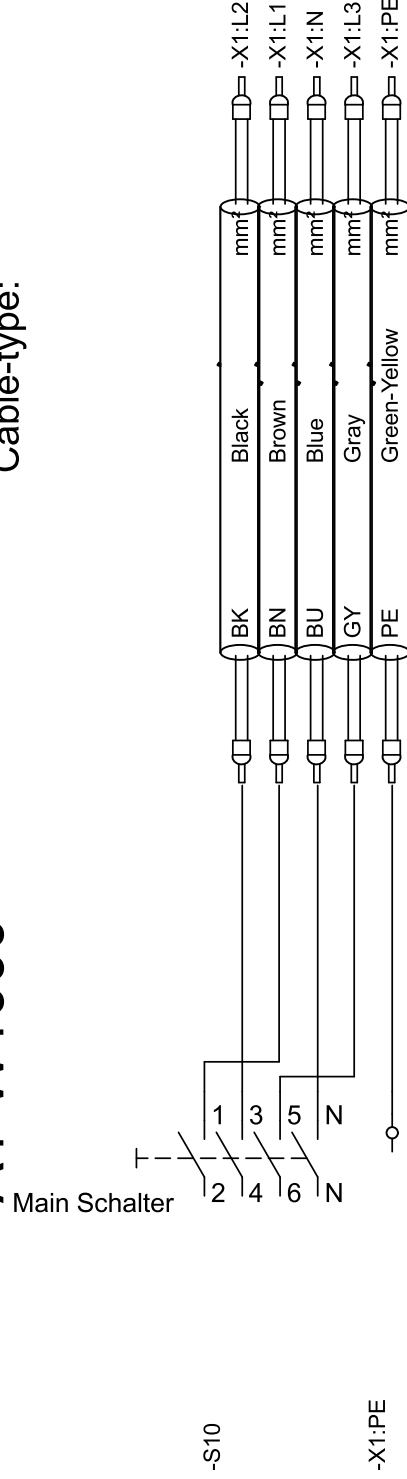
=A1-W705

Anmerkung:
Cable-type:



=A1-W1000

Anmerkung: Hauptstromversorgung
Cable-type:



Blatt
Pfad

19
19

19
19

19
19

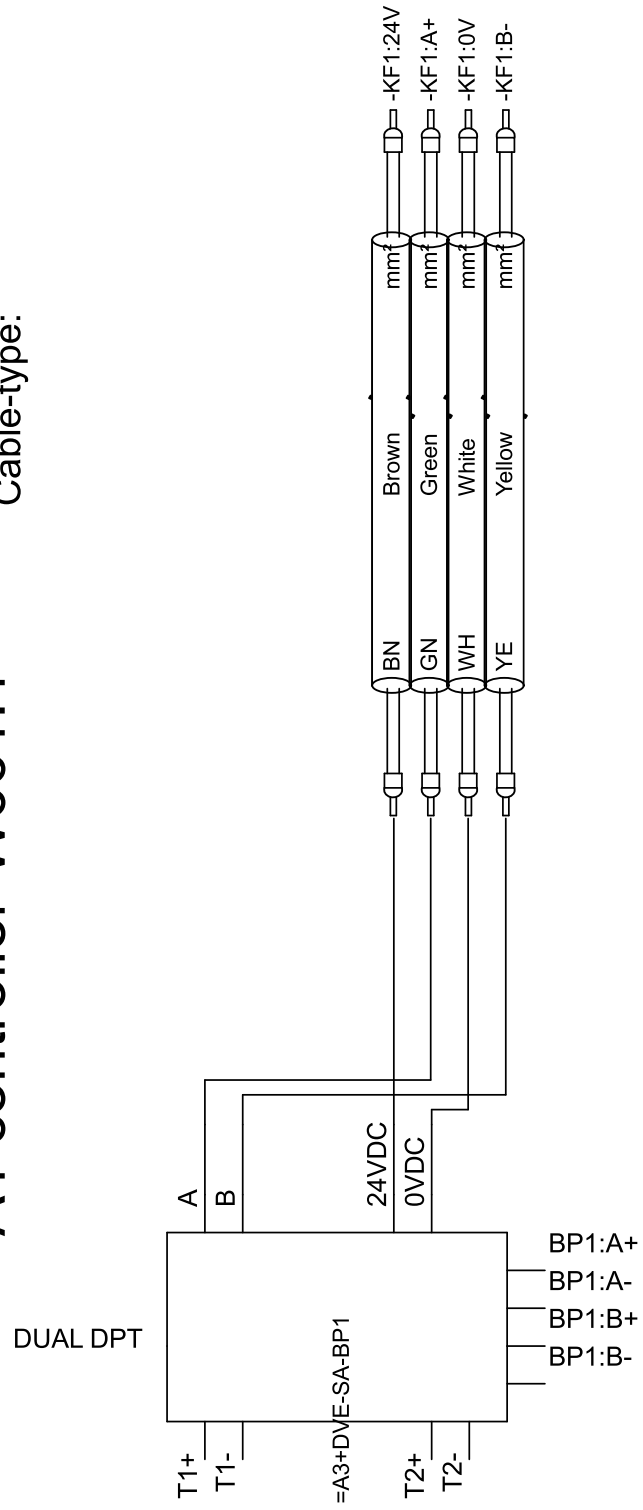
19
19

18
18
18
18
18

Anschlussplan

=A1 controller-W661.1

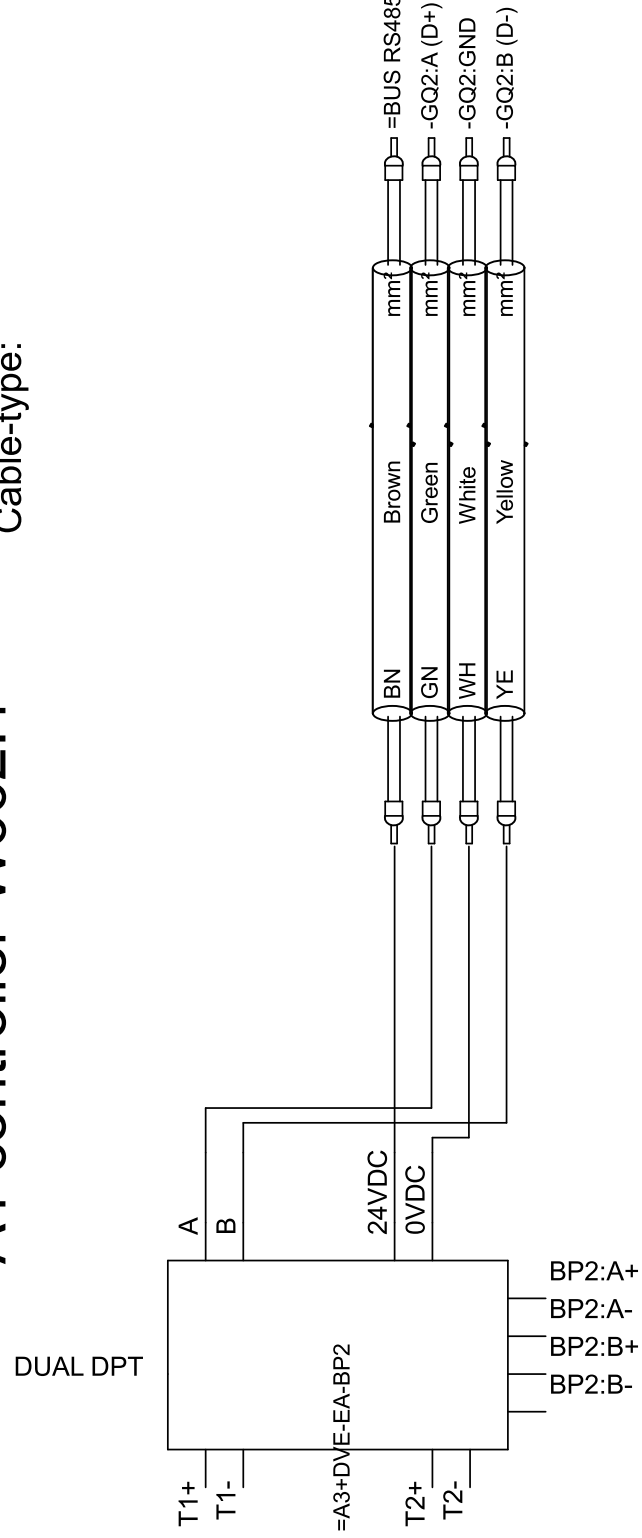
Anmerkung: BP1 BUS
Cable-type:



Blatt	24
Pfad	2
Blatt	24
Pfad	2
Blatt	24
Pfad	2

=A1 controller-W662.1

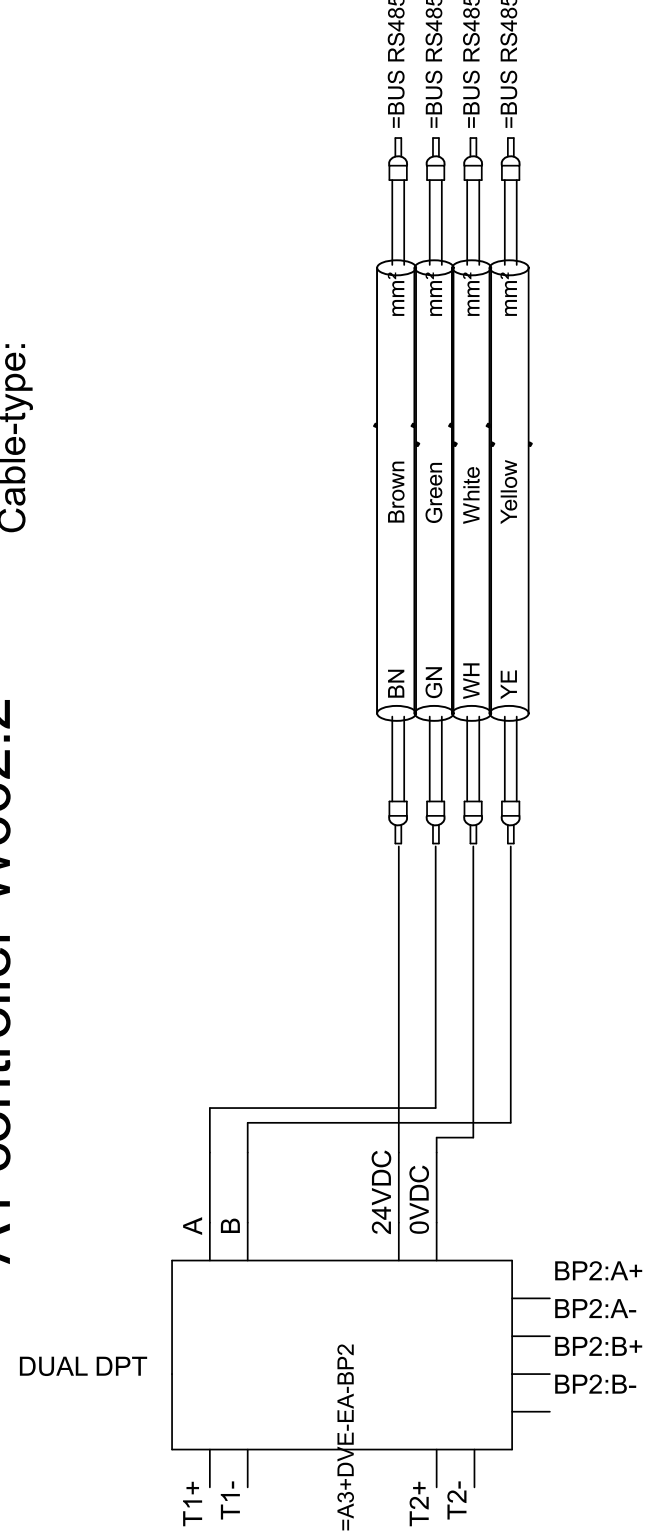
Anmerkung: BP2 BUS
Cable-type:



Blatt	25
Pfad	2
Blatt	25
Pfad	2
Blatt	25
Pfad	2

=A1 controller-W662.2

Anmerkung: BP2 BUS
Cable-type:



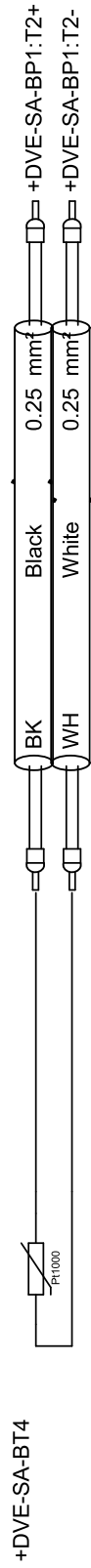
Blatt	2
Pfad	2
Blatt	2
Pfad	2
Blatt	2
Pfad	2

Anschlussplan

=A3-W343

Eff. Temperatur

Anmerkung: Temp.-Effizienz
Cable-type: 2x0,25mm²



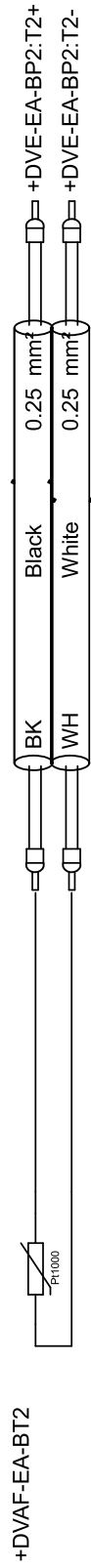
+DVE-SA-BT4

Blatt 24 24
Pfad 2 2

=A3-W442

Exhaust Temp.

Anmerkung: Exhaust Temp./de-ice
Cable-type: 2x0,25mm²



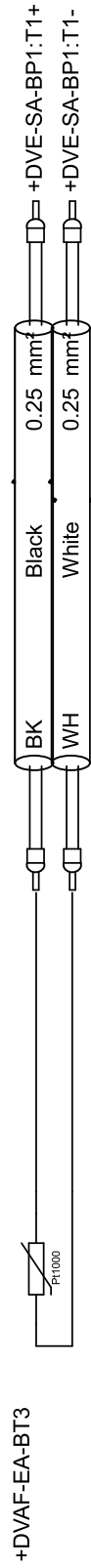
+DVAF-EA-BT2

Blatt 25 25
Pfad 2 2

=A3-W444

Abluft Temp.

Anmerkung: Abluft Temp.
Cable-type: 2x0,25mm²

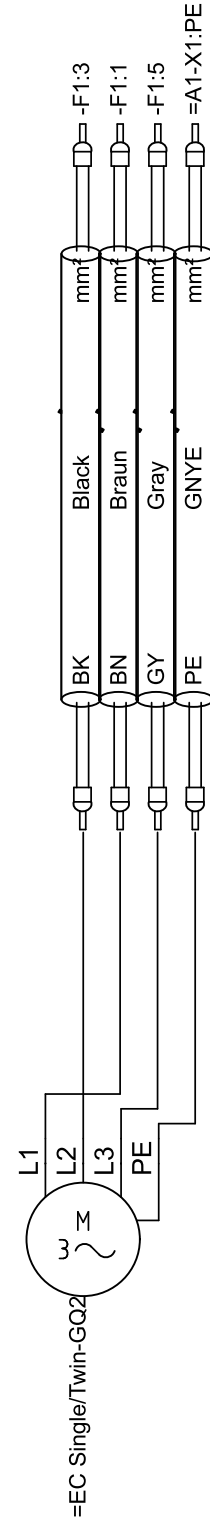


+DVAF-EA-BT3

Blatt 24 24
Pfad 1 1

=EC single+Extract air-W102

Anmerkung: Motor Abluft
Cable-type:

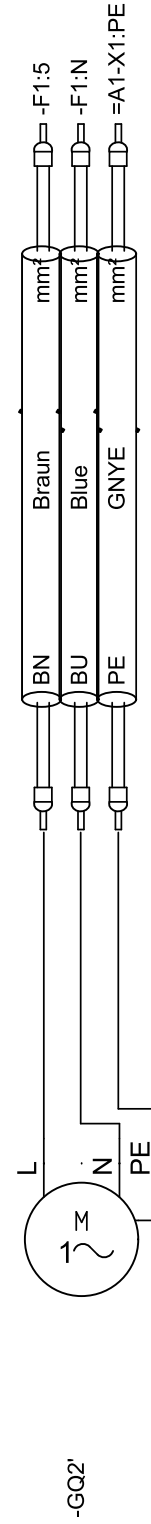


=EC Single/Twin-GQ2

Blatt 21 21 21 21
Pfad 2 2 2 3

=EC single+Extract air-W102

Anmerkung: Motor Abluft
Cable-type:

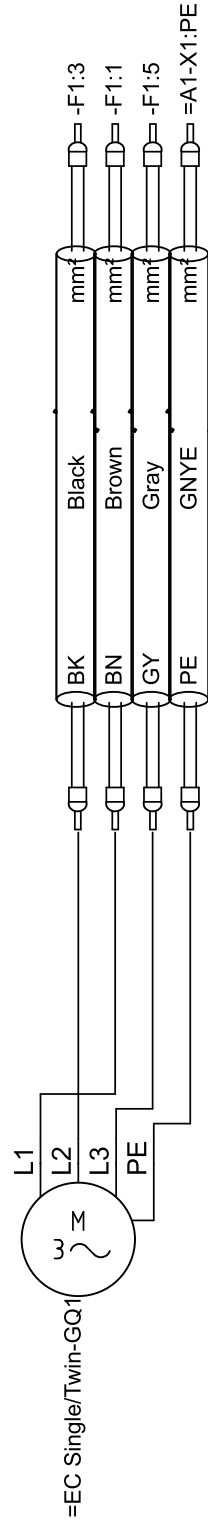


-GQ2'

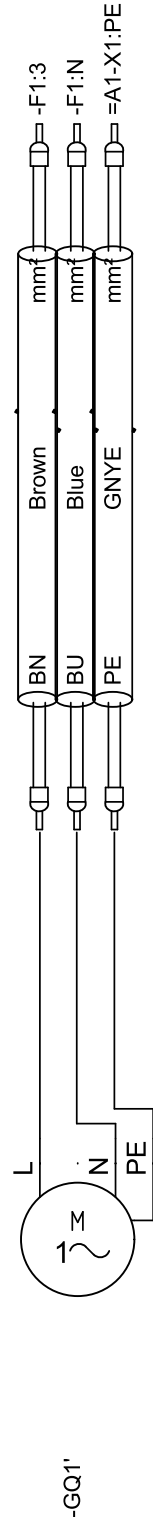
Blatt 20 20 20
Pfad 5 5 6

Anschlussplan

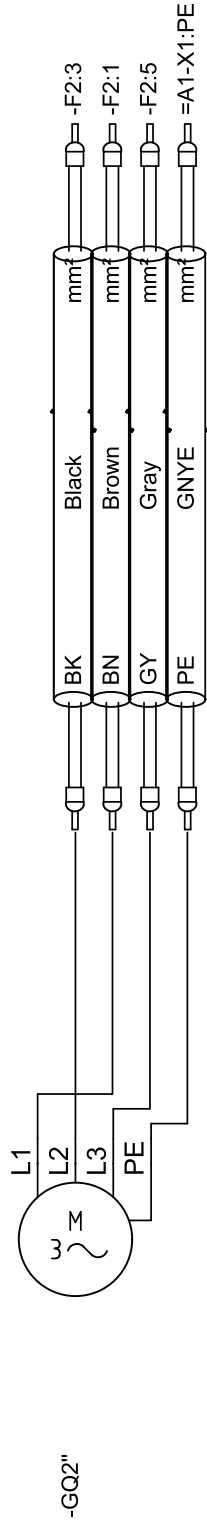
=EC single+Supply air-W101 Anmerkung: Motor Zuluft
Cable-type:



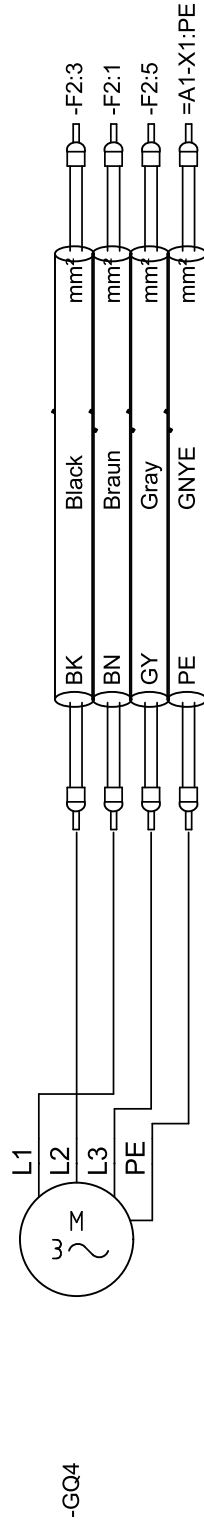
=EC single+Supply air-W101 Anmerkung: Motor Zuluft
Cable-type:



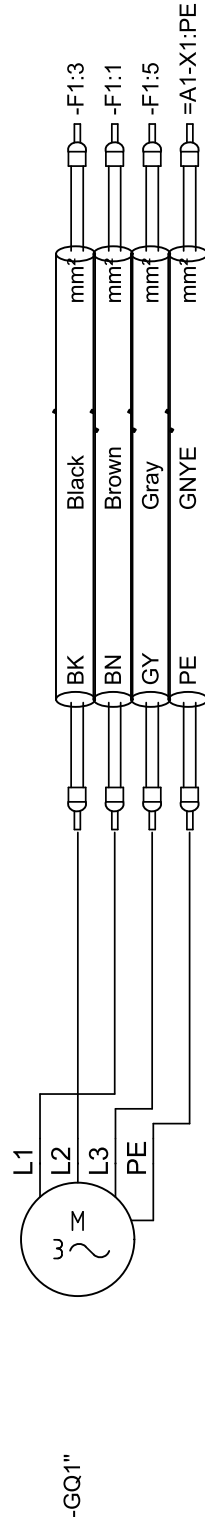
=EC Twin+Extract air-W102 Anmerkung: Motor Zuluft
Cable-type:



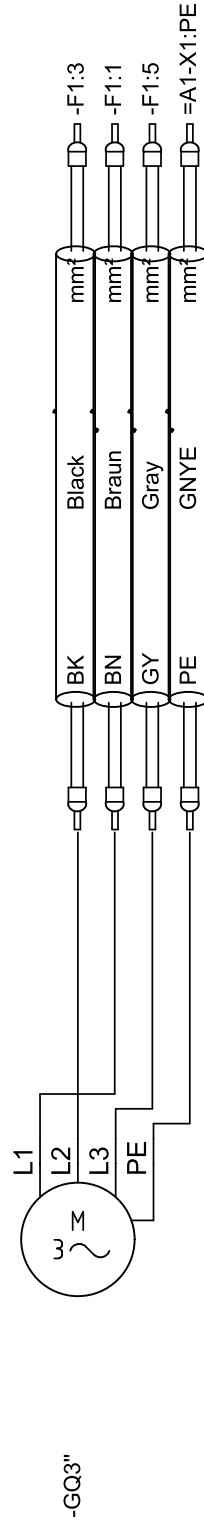
=EC Twin+Extract air-W104 Anmerkung: Motor Abluft
Cable-type:



=EC Twin+Supply air-W101 Anmerkung: Motor Zuluft
Cable-type:



=EC Twin+Supply air-W103 Anmerkung: Motor Zuluft
Cable-type:



Pfad	Blatt
1	21
1	21
1	21
1	21
2	20
2	20
3	20
7	21
7	21
7	21
7	21
8	21
8	21
9	21
9	21
4	21
4	21
4	21
4	21
5	21
5	21
6	21
6	21