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leverantör:

Systemair A/S, Denmark
Ved Milepælen 7
8361 Hasselager



Aggregat med externt apparatskåp:
Skåp för Geniox 10-18 placeras ovanpå aggregatet.
Skåp för Geniox 20-31 placeras på framsida
av aggregatet.

Aggregat med internt apparatskåp:
Skåpet är alltid placerat inuti aggregatet.
Elskåp är placerade bakom

Alternativa komponenterna är markerade med **



Generell beskrivning - Sidor

Projekt:

Geniox Control system - ver. 03.01 SE

Datum:

19-09-2017

Rev.:

Function description:

Init.:

MIKE

Ritingsnummer:

Geniox Control system

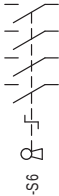
Nästa sida

1

Antal blad:

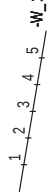
5

Symboler enligt IEC 60617. På de två följand
sidorna finns beskrivningar på symboler som används i projektet.



-S6

kopplingsutrustning: 4 pol



1 2 3 4 5 -W_1

kabel



-F11
XX Amp
24349

automatsäkring, 3-polet



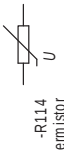
-F12
10Amp
25974

automatsäkring, 2-polet



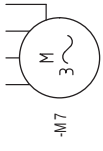
-W_2

skärmad kabel



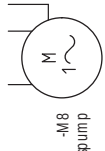
-R114
termistor

termistor



-M7

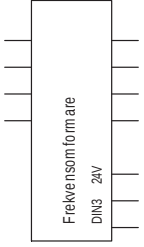
3-fasmotor med jord



-M8

cirkulationspump

ledning Colour code			
Svart	BK	Violett	VT
Brun	BN	Grå	GY
Rød	RD	Vit	WH
Gul	YE	Rosa	PK
Grøn	GN	Transparent	TP
Blå	BU	GRÖN/GUL	PE



-T106
matning air

Frekvensomformare

Li:1 >

referenser



-X2:1

plint



-E8

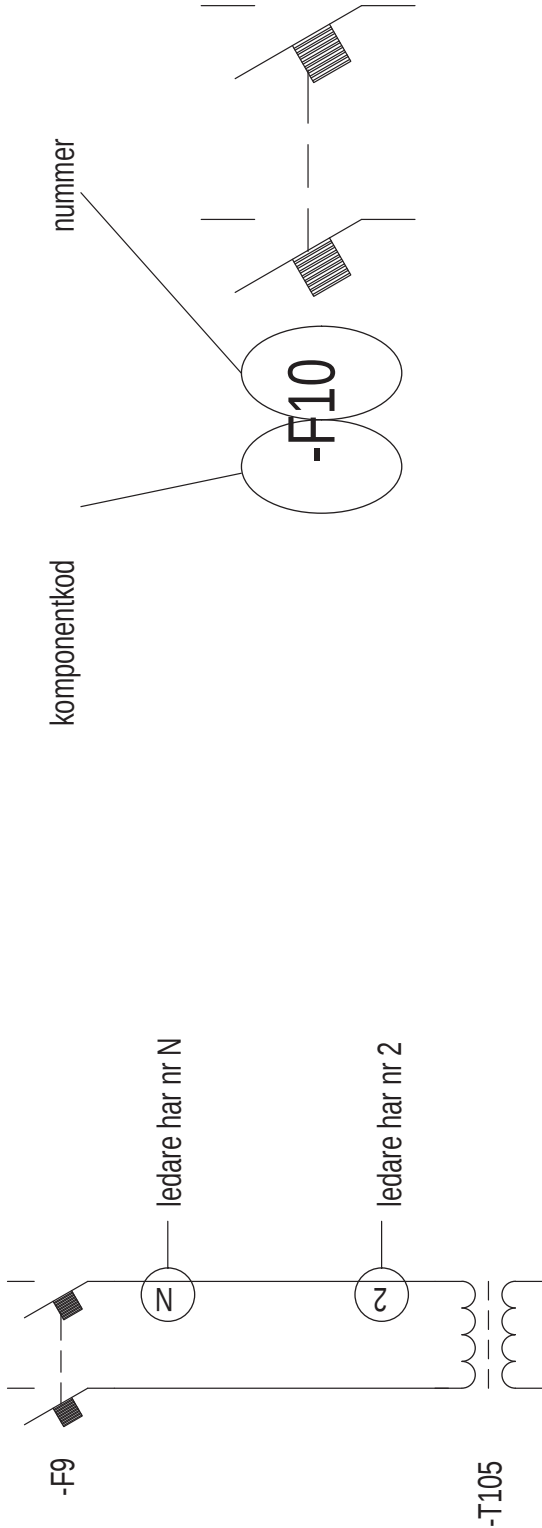
lampa

-Configo E0-R 1 G_1

infotext

Märkning av kablar.
Kablar är markerad
med plintnamnen

Komponenterna är markerade med
komponentkoder följt av ett nummer i
enlighet med IEC 61346-1 tabell 1



Komponentkoder som används i projektet.

S = kopplingsutrustning
F = automatsäkring
M = pump / Spjällmotor / ventilmotor
BT = temperaturgivare
T = VLT omvandlare / transformator
E = lampor
C = kontrollpanel
FM = brandtermostat/tryckvakts/tryckgivare
W = kablar
K = reläspolar
X = plint
U = elskåp

data för anläggningen

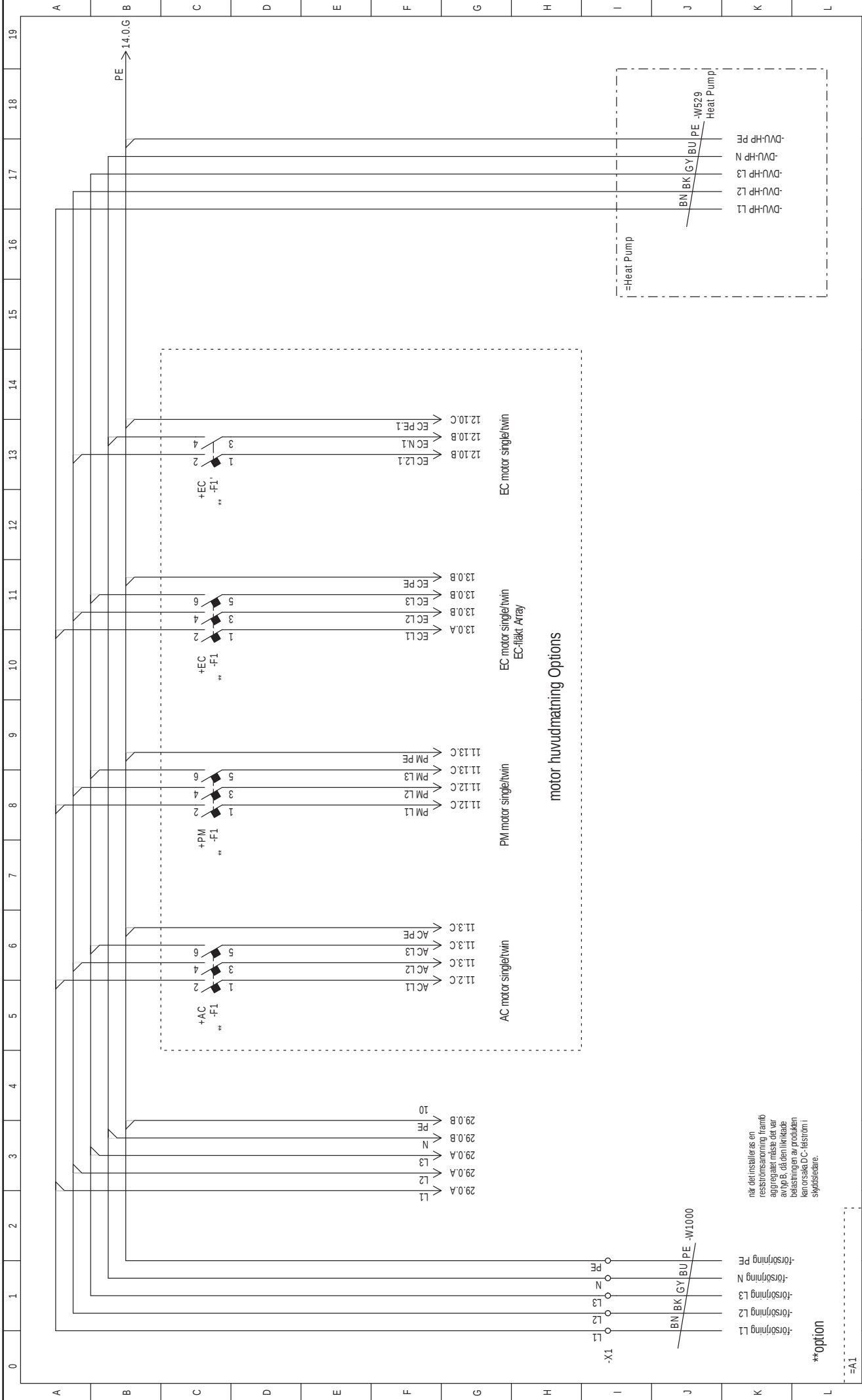
Max. belastning
Se beställningsdokument

Max. försäkring
Se beställningsdokument

Ik max. 10kAmp

RCD typ B

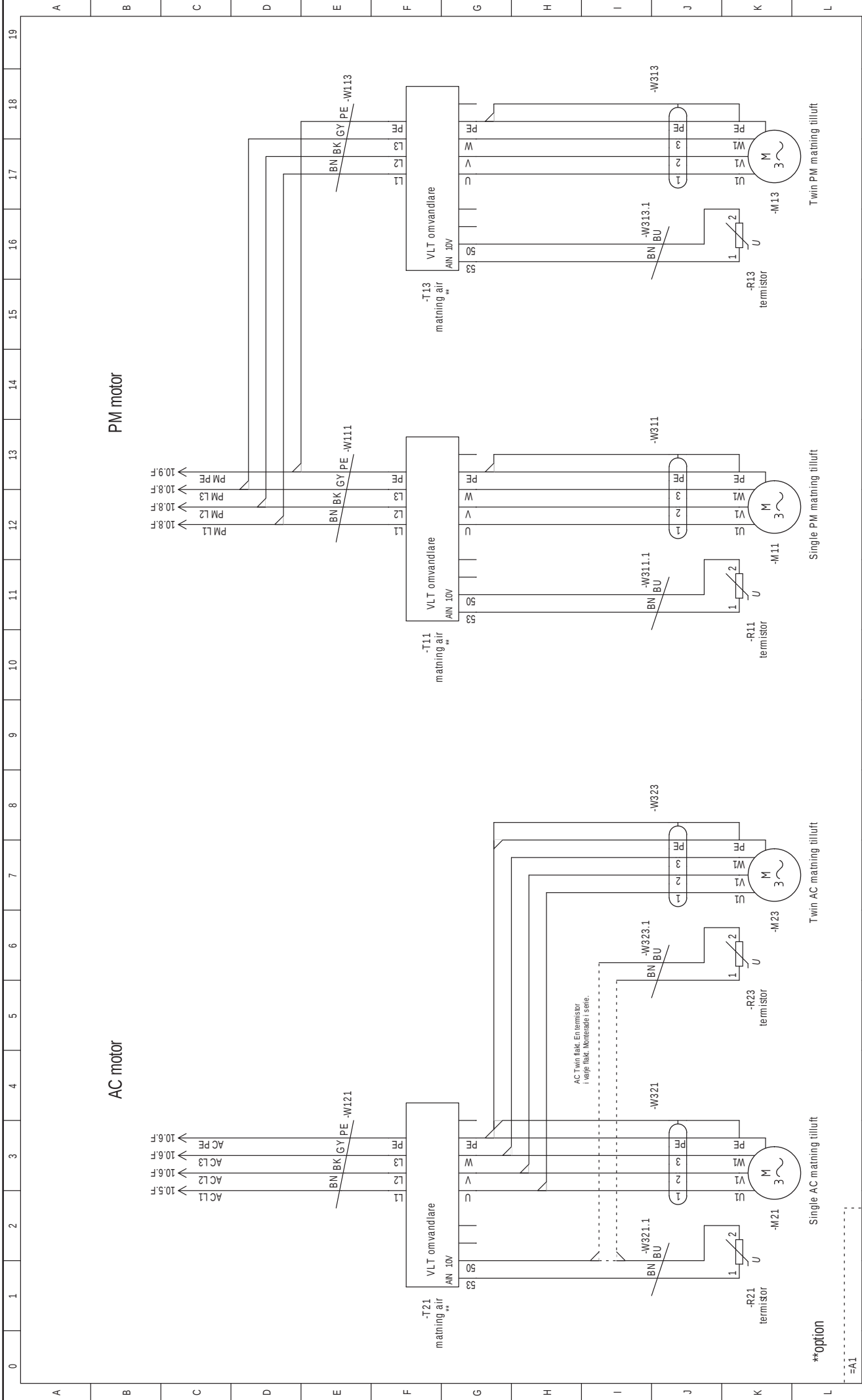
				beskrivning			
Projekt:		Geniox Control system - ver. 03.01 SE		Function description:		Blad: 5	
Datum:		19-09-2017		Rev.:		Init.: MIKE	
				Ritningsnummer.:		Geniox Control system	
						Antal blad: 5	



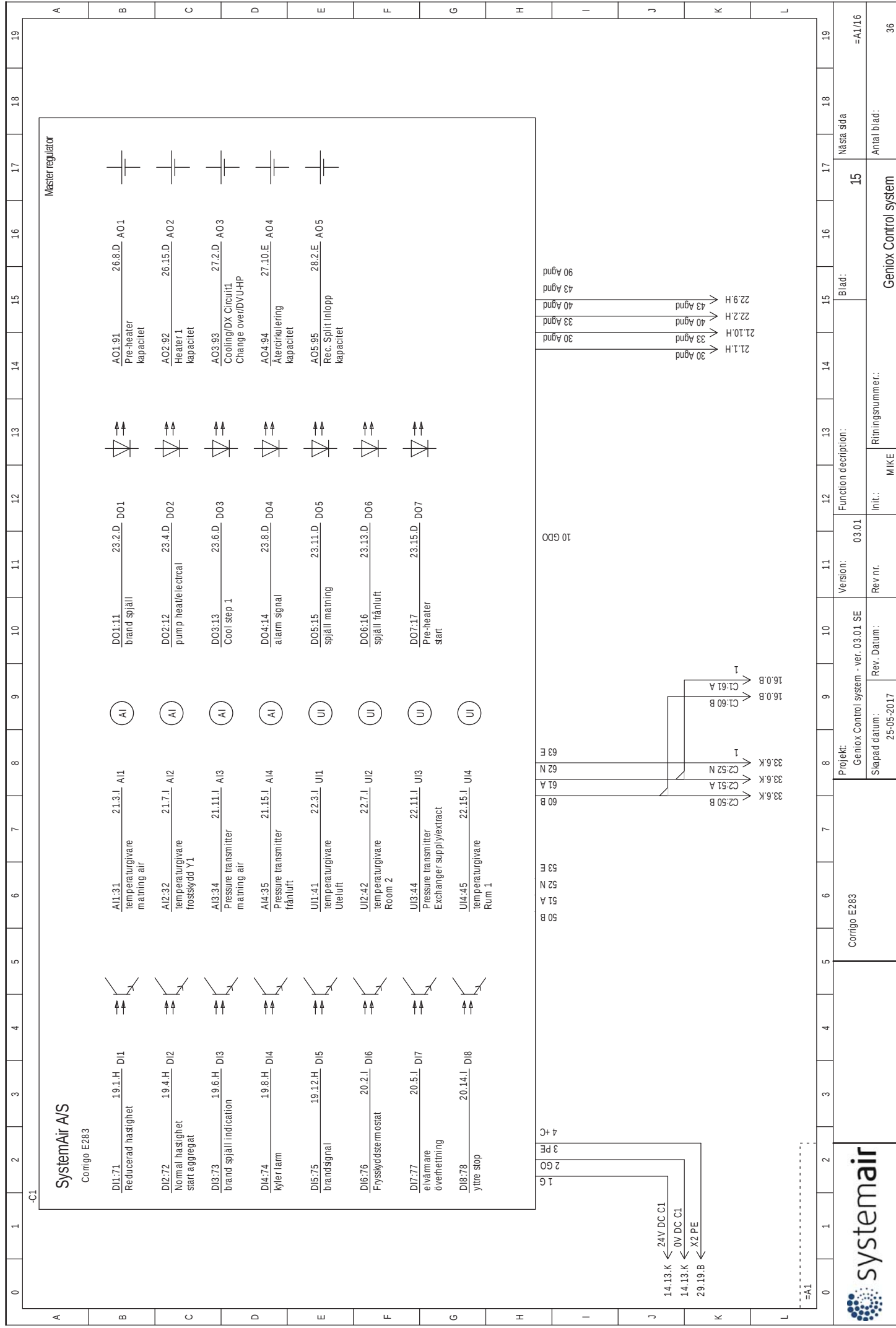
**option

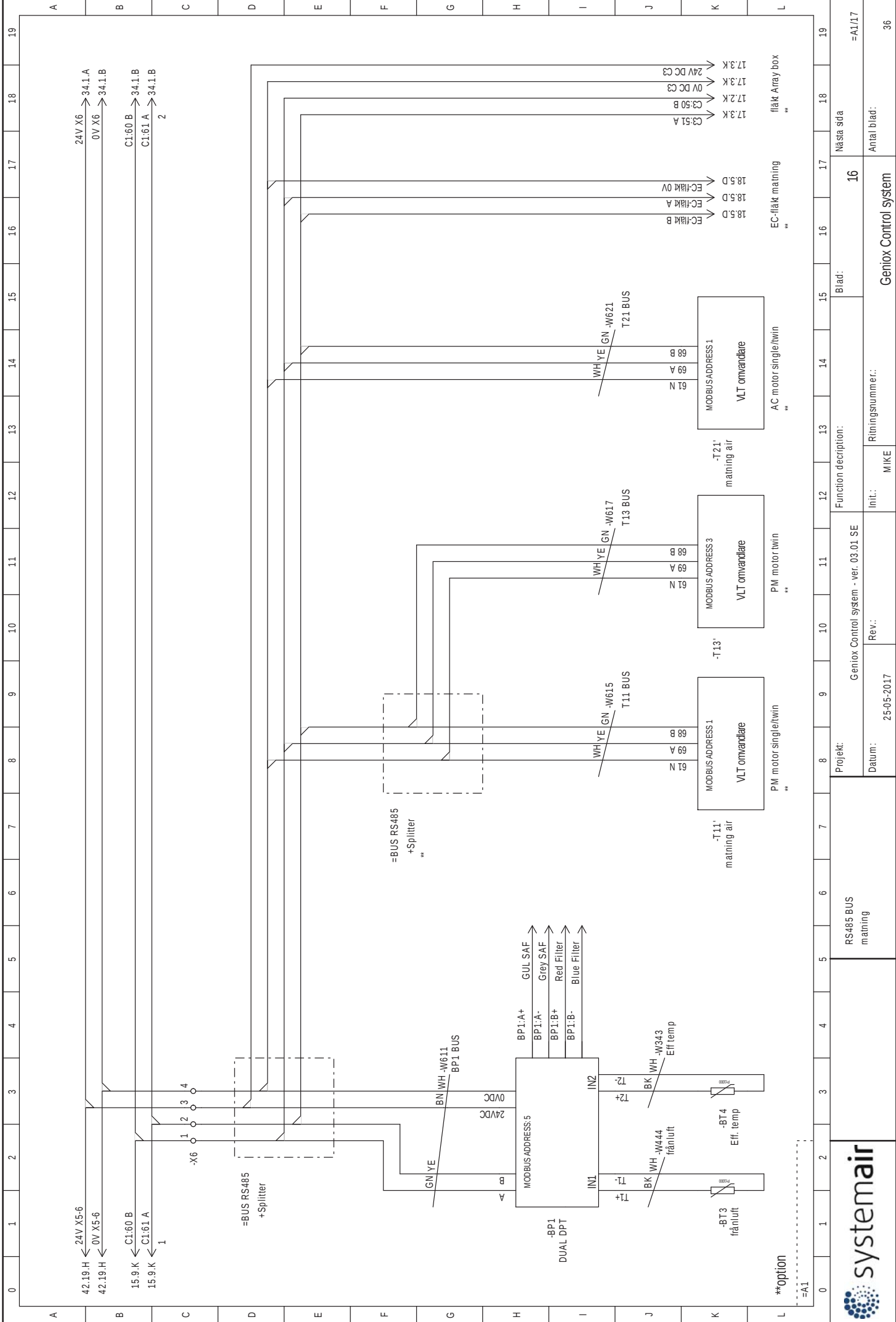
=A1

										huvudmatning motor matning										Projekt: Geniox Control system - ver. 03.01 SE										Version: 03.01										Function description: Blad: 10										Nästa sida =A1/I1									
Släpdat datum: 25-05-2017										Rev. Datum: 20-10-2017										Rev nr.										Init.: MIKE										Ritningsnummer.: Geniox Control system										Antal blad: 36									



systemair																			Geniox Control system		36
huvudmatning AC/PM VLT - SA																			Blad: 11		Nästa sida =A1/12
Projekt: Geniox Control system - ver. 03.01 SE																			Function description: 03.01		
Skapad datum: 25-05-2017																			Rev nr. Rev. Datum:		Antal blad:
																			Init.: MIKE		
																			Ritningsnummer:		





RS485 BUS
mating

Projekt:

Geniox Control system - ver. 03.01 SE

Function description:

Blad:

16

Nasta sida

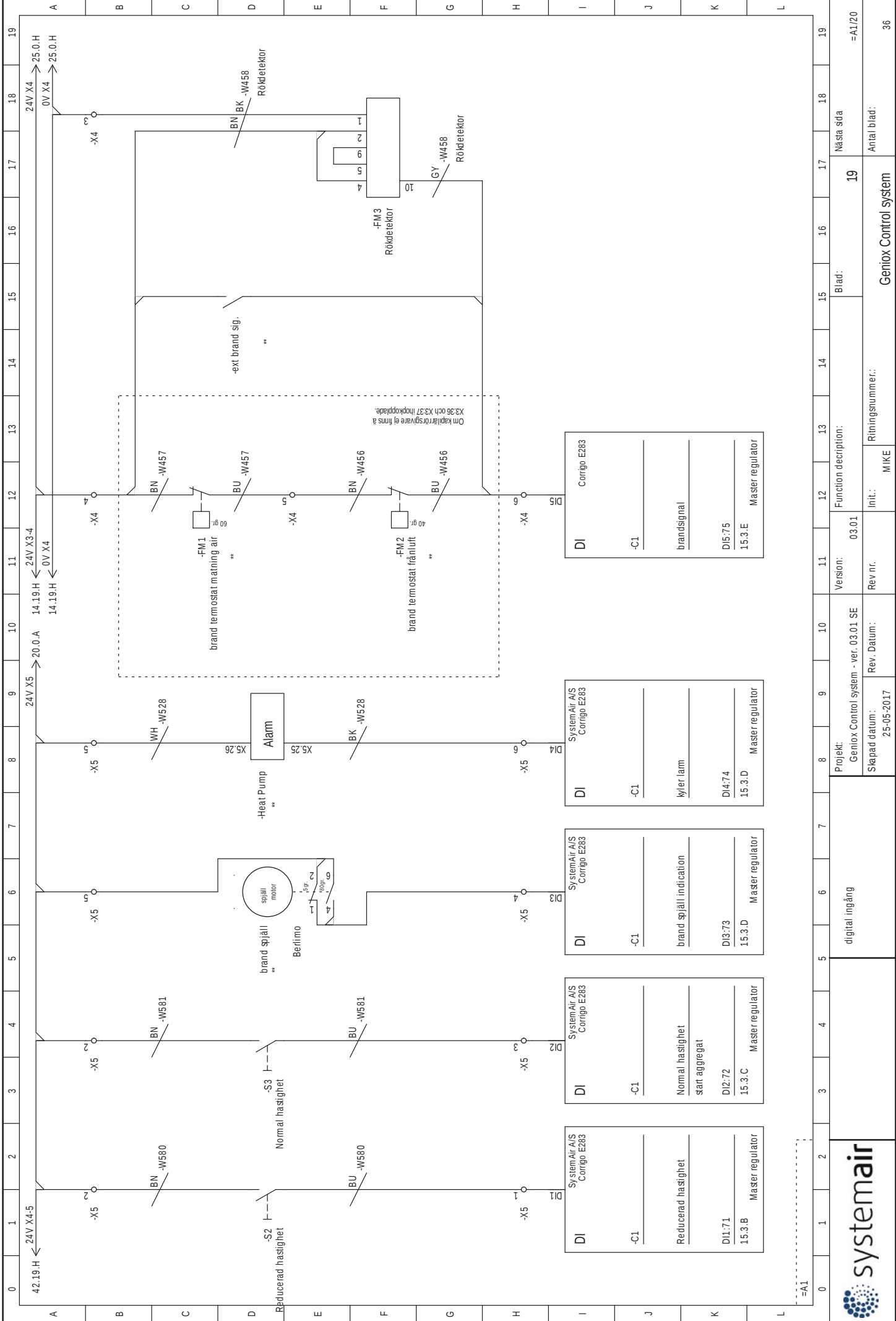
=A1/17

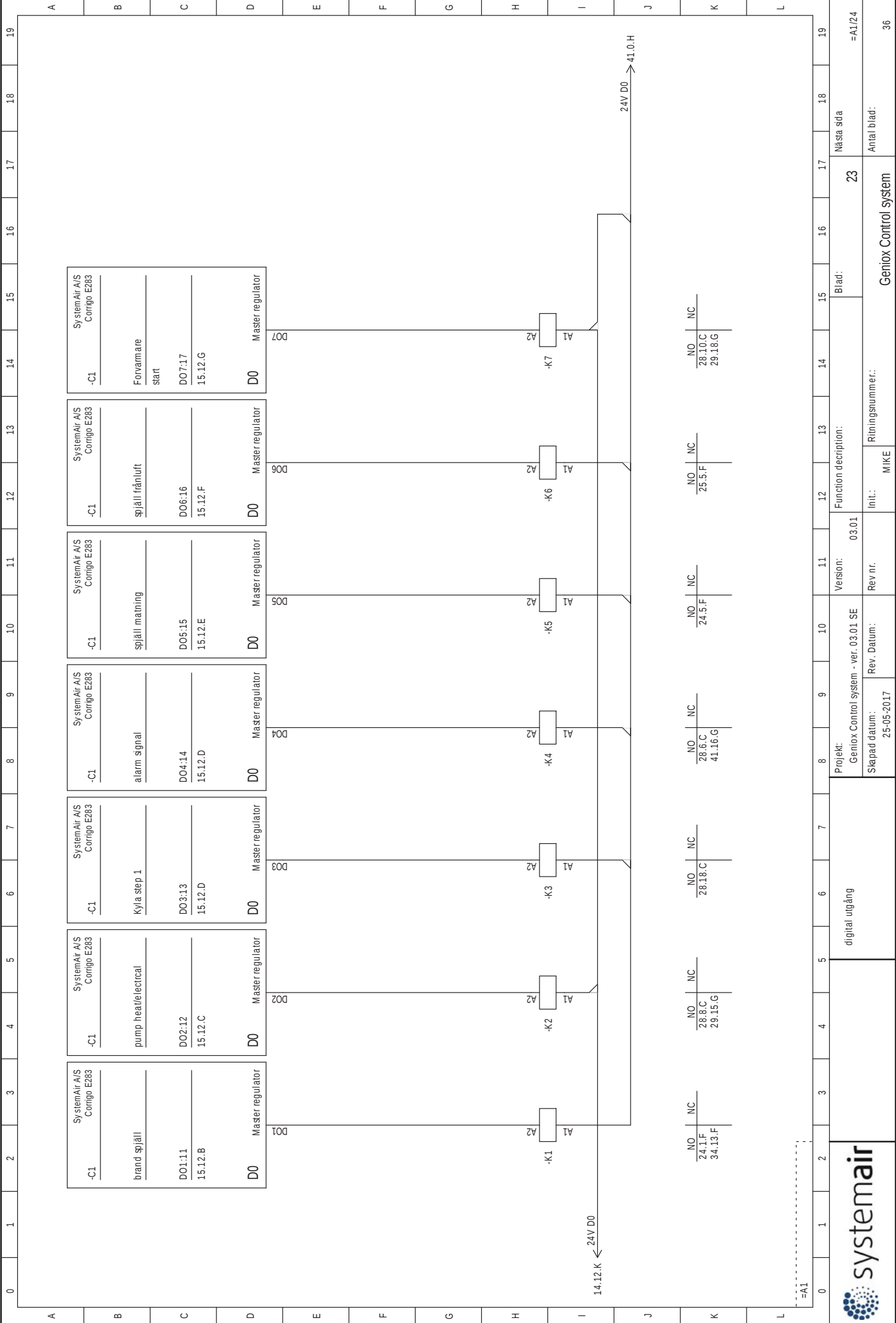
Init.: MIKE

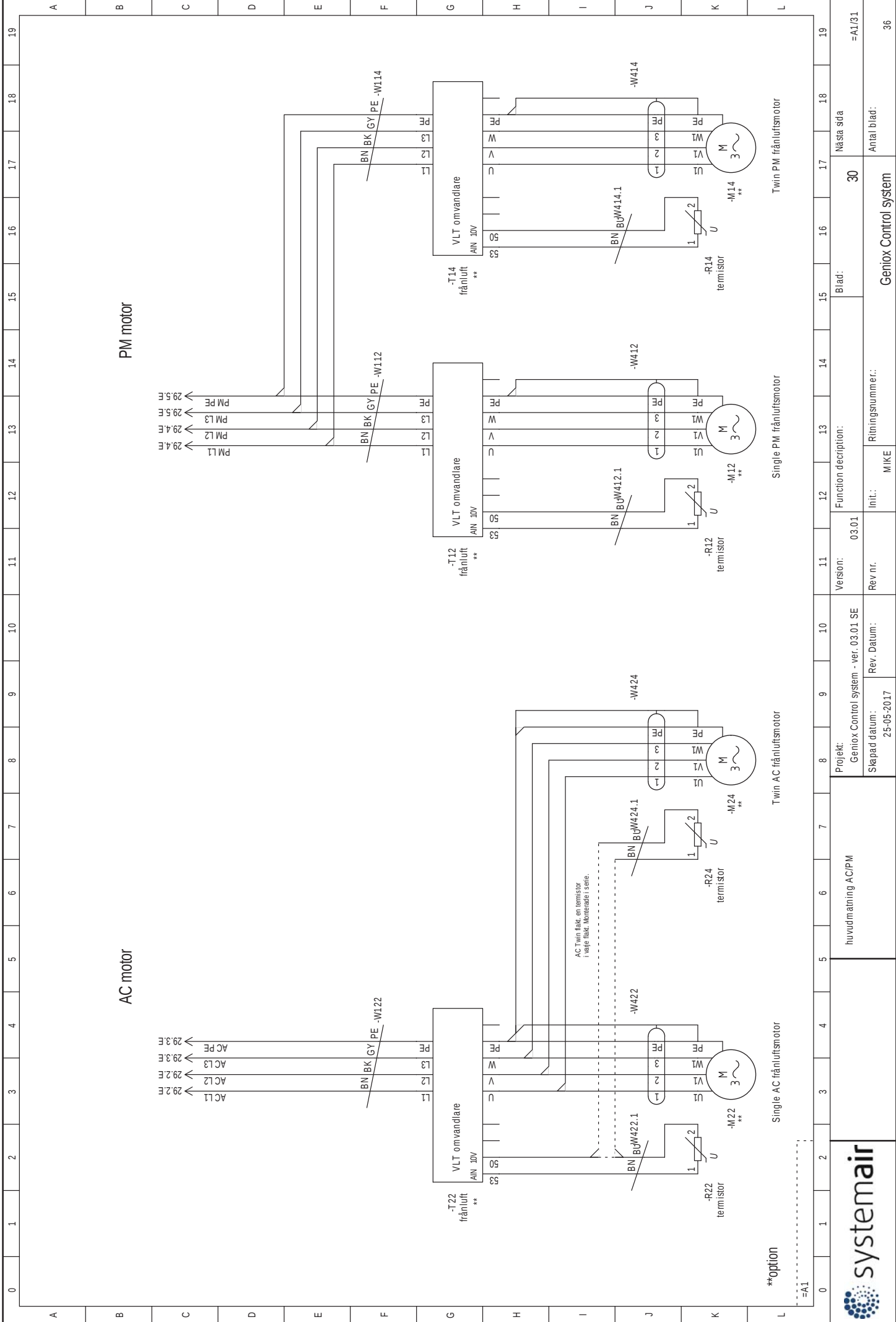
Rinningsnummer:

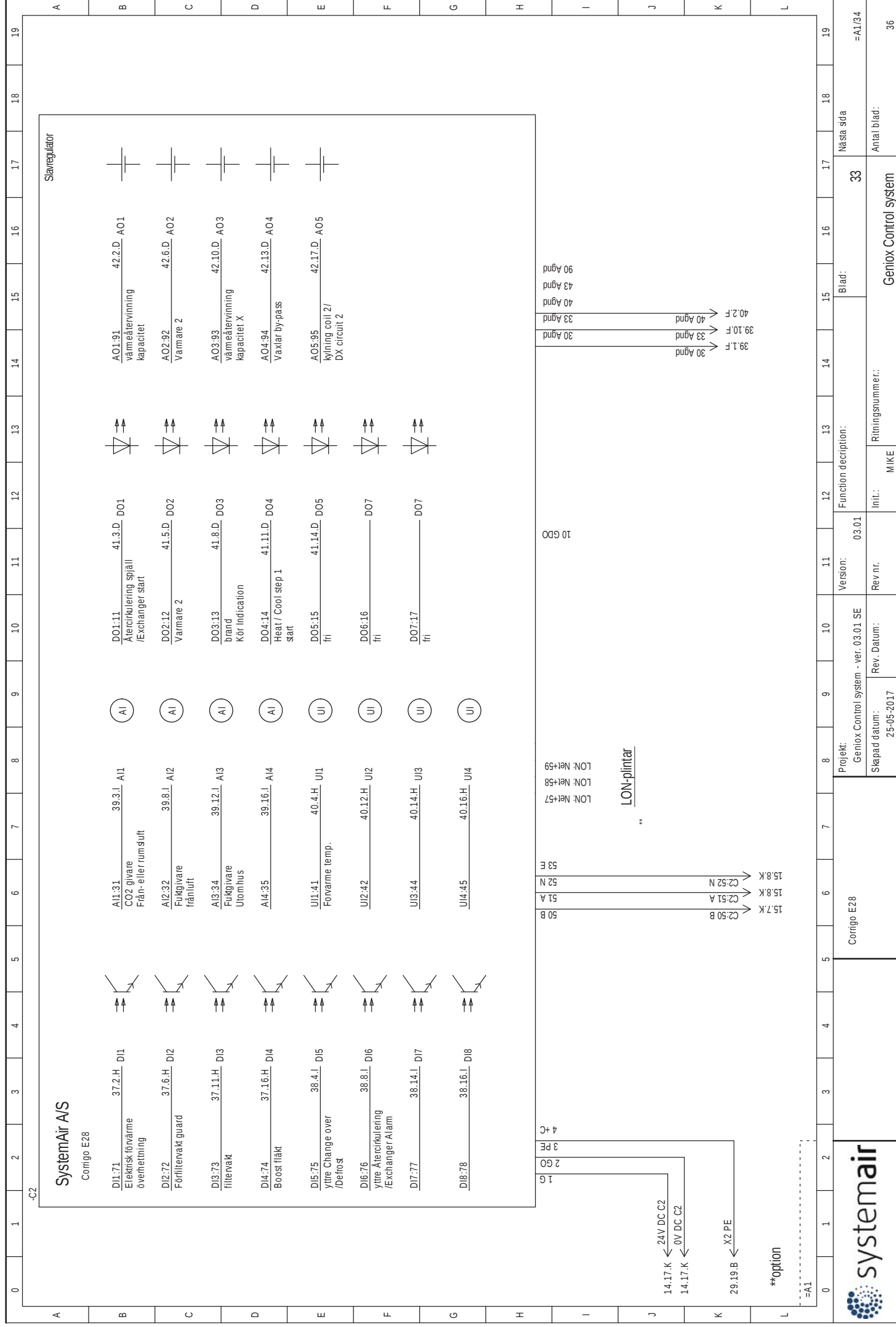
Geniox Control system

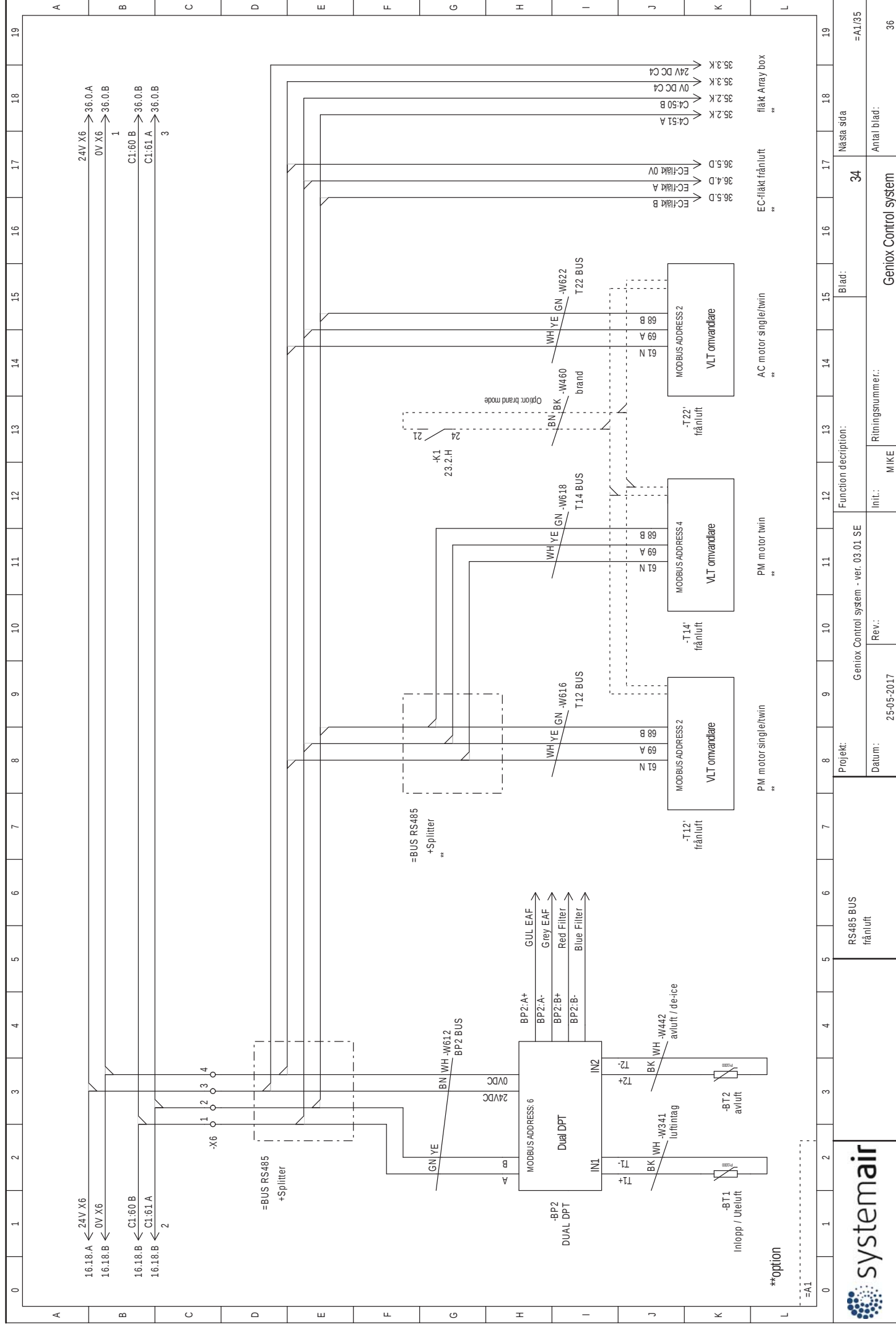
Antal blad: 36

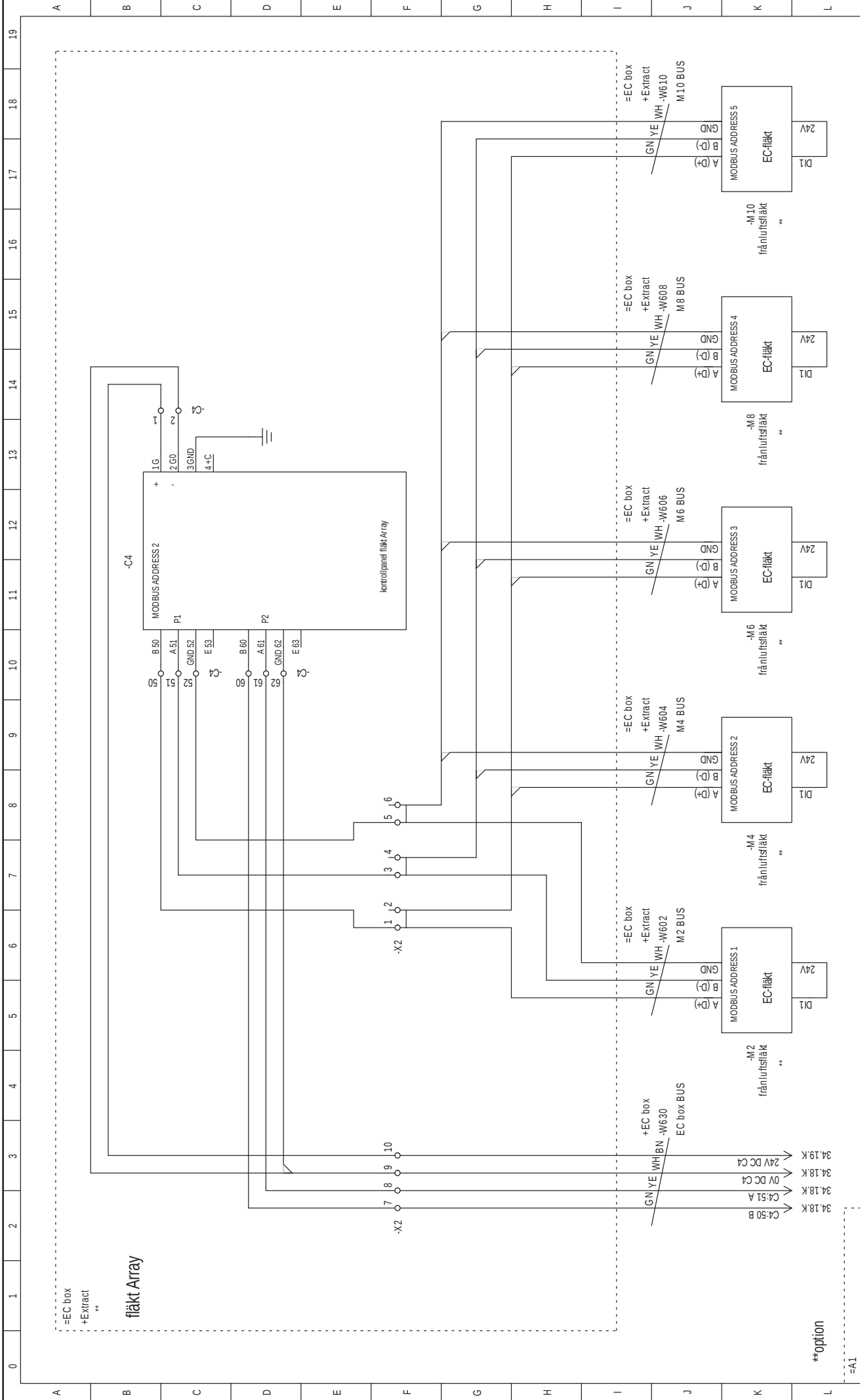




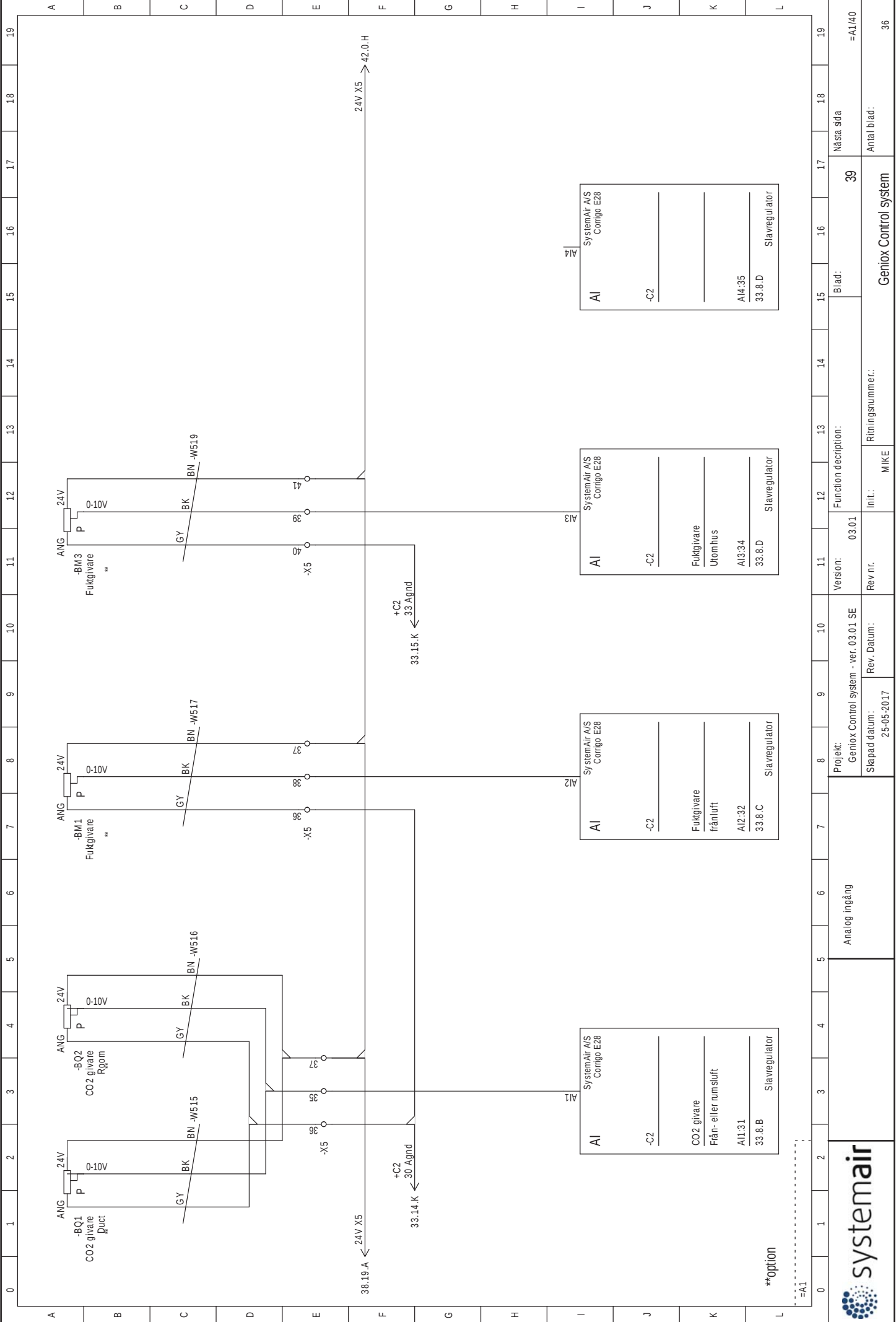


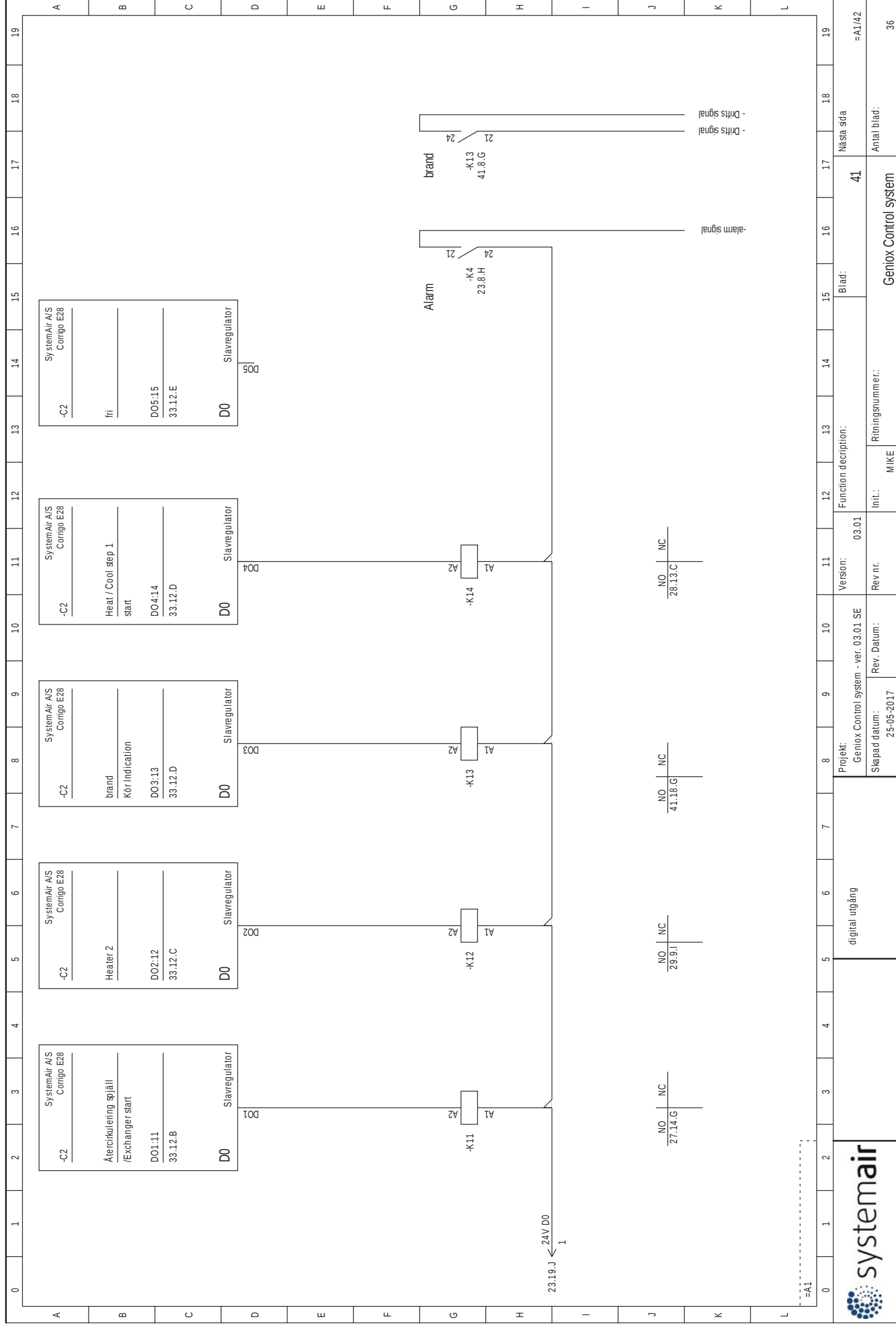






systemair		RS485 BUS EC EC-fläkt - EA		Projekt:		Geniox Control system - ver. 03.01 SE		Function description:		Blad:		35		Nästa sida		=A1/36	
				Datum:		25-05-2017		Rev.:		Init.:		Ritningsnummer:		MKE		Antal blad:	
																Geniox Control system	
																36	





SystemAir installning av ECblue MODBUS

COM Baudrate: 9600Bd

COM Mode: 8N1

BUS Address: tilluft 1 och (3, Twin fans)

frånluft air, 2 och (4, Twin fans)

D1: 19D

D1 ar installad till at inaktivera sakerhetsfunktioner som skyddar motoren (brandlage)

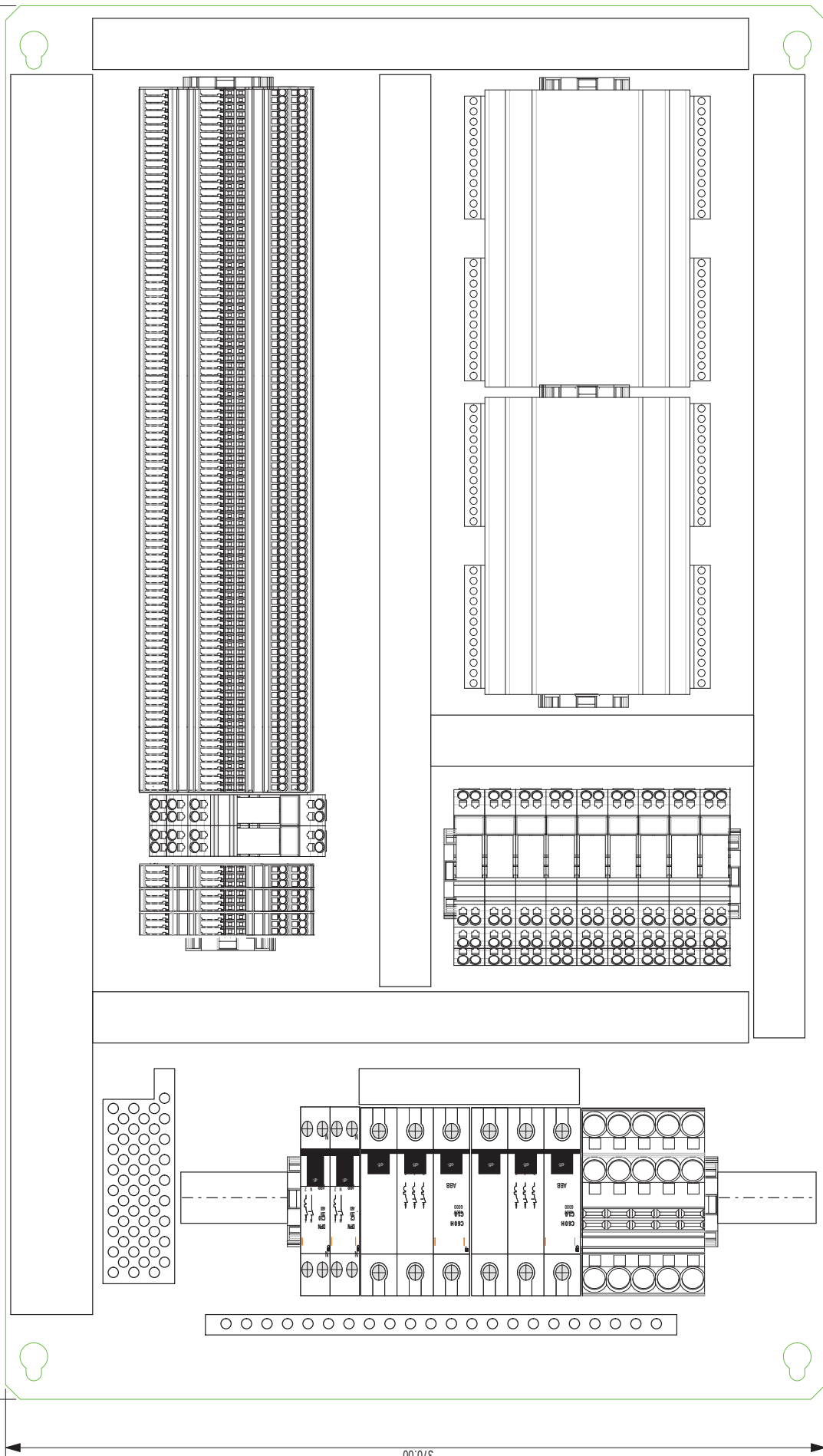
Normal hastighet kontroll av the fläkt ar possible i denna mode.

Function is active if D1 is "open" = NO signal.

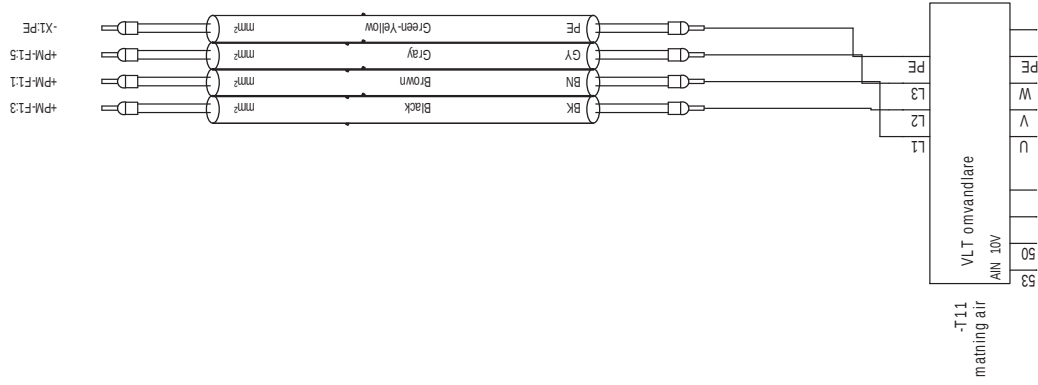
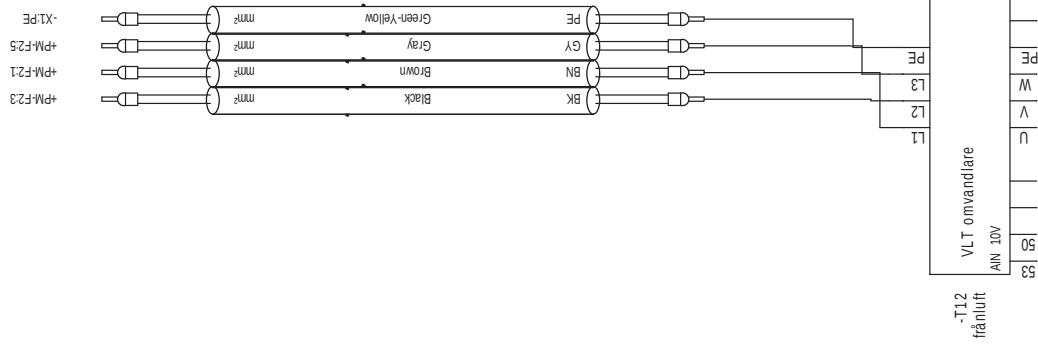
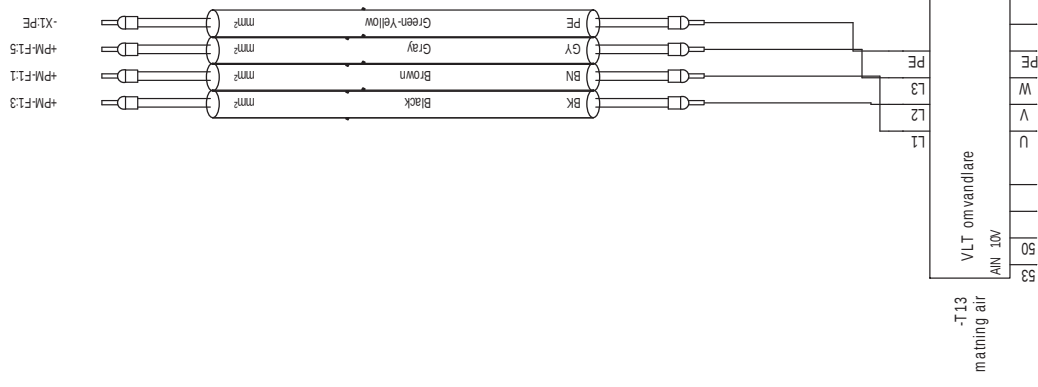
Menu:																		
Motor Type																		
HPS 71 3800 18																		
HPS 71 3700 28																		
HPS 71 3300 18																		
HPS 71 3200 30																		
HPS 71 2900 21																		
HPS 71 2800 40																		
HPS 71 2500 29																		
HPS 71 2350 38																		
HPS 90 2650 64																		
HPS 90 2350 76																		
HPS 90 2100 63																		
HPS 90 2050 100																		
HPS 90 1850 84																		
HPS 90 1900 136																		
HPS 90 1700 106																		
HPS 112 1550 108																		
HPS 112 1700 145																		
HPS 112 1350 135																		
HPS 112 1500 187																		
HPS 112 1000 140																		
HPS 132 1250 199																		
HPS 132 1000 202																		
HPS 132 1150 300																		
HPS 132 930-273																		
3-41																		
3-42																		
1-24																		
1-25																		
1-26																		
1-30																		
1-37																		
1-39																		
1-40																		
3-03																		
4-14																		
4-19																		
6-25																		

720.00

370.00



	kopplingsdosa	Projekt: Geniox Control system - ver. 03.01 SE		Ritningsnummer.: Geniox Control system		Init.: MIKE	Version: 03.01	Blad: 45
		Datum: 25-05-2017	Funktion: Elskåp:	Antal blad: 1		Nasta sida		



=A1-W113

=A1-W112

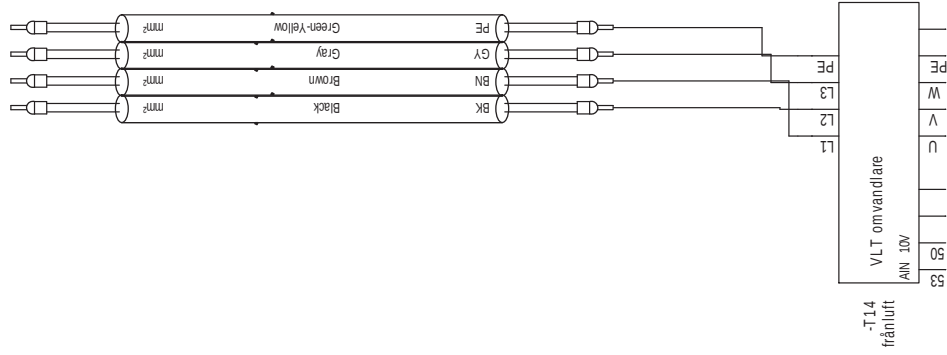
TTM-TV=

Description: VLT Supplyair
Type: Y-OZ
Dimension:
Length: m

Description: VLT extract power
Type: Y-OZ
Dimension:
Length: m

Description: VLT Supplyair
Type: Y-OZ
Dimension:
Length: m

[illegible]

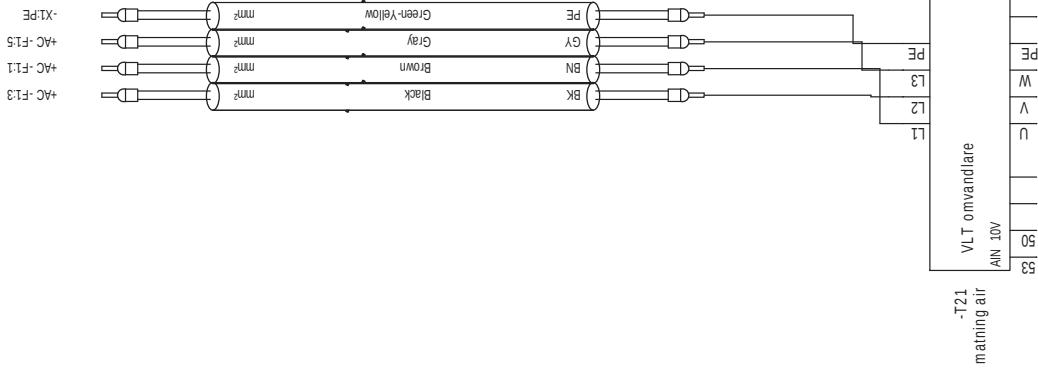


=A1-W114

Description: VLT extract power
Type: Y-OZ
Dimension:
Length: m

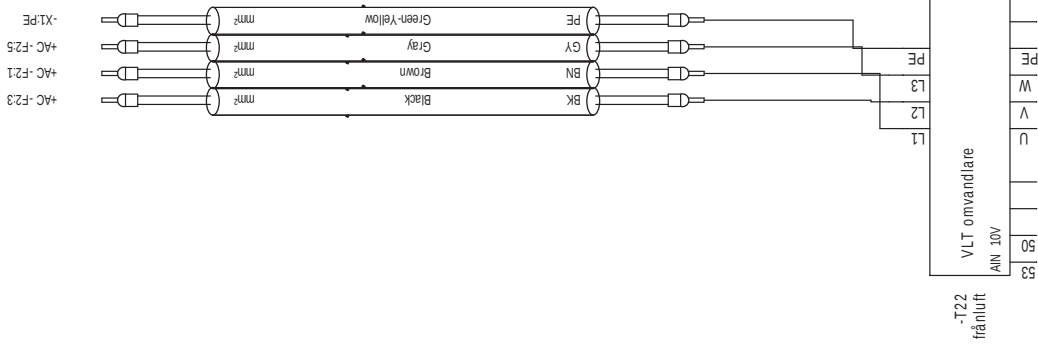
=A1-W121
Description: VLT Supplyair

Description: VLT Supplyair
Type: Y-OZ
Dimension:
Length: m

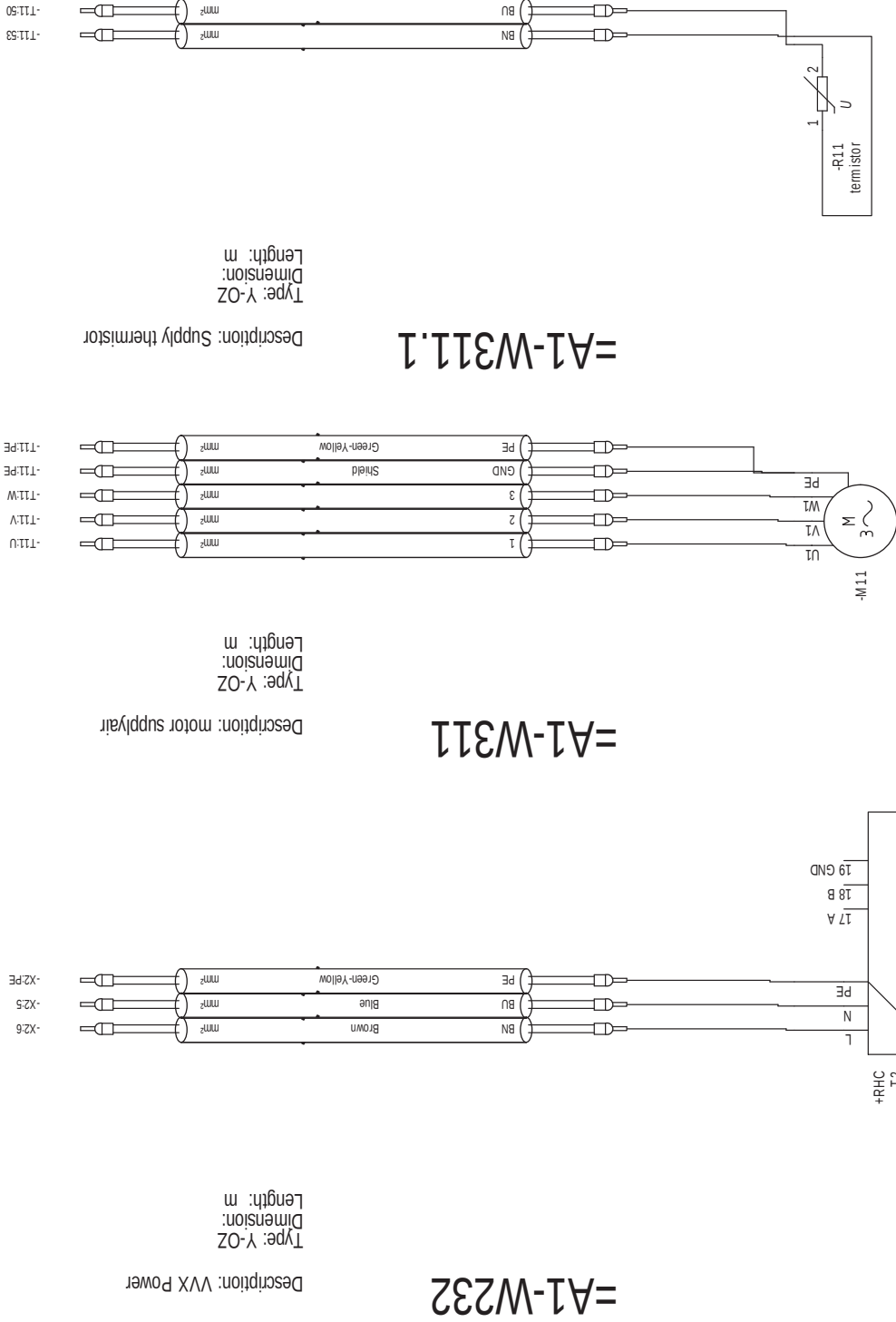


=A1-W122

Description: VLT extract power
Type: Y-OZ
Dimension:
Length: m

[illegible]

Cabellplan

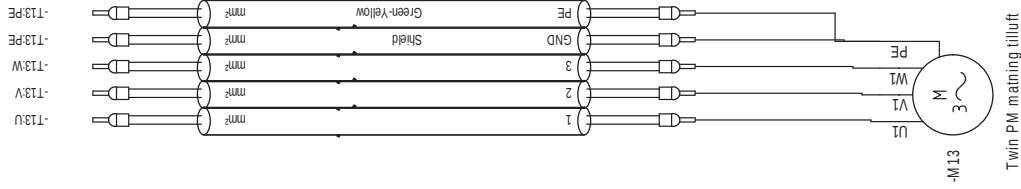
[illegible]

Cabelplan

=A1-W313

Description: motor supplyair

Type: Y-OZ
Dimension:
Length: m

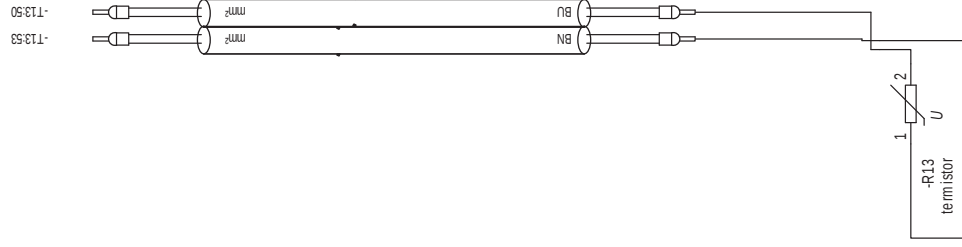


Twin PM matning tilluft

=A1-W313.1

Description: Supply thermistor

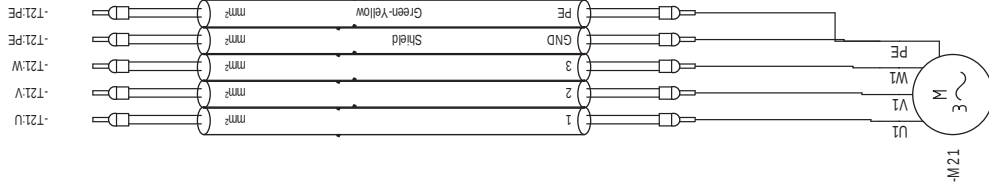
Type: Y-OZ
Dimension: m
Length: m



=A1-W321

Description: motor supplyair

Type: Y-OZ
Dimension: m
Length: m

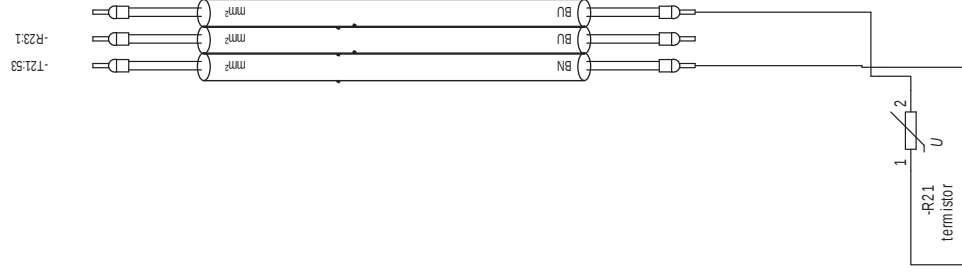


Single AC matning tilluft

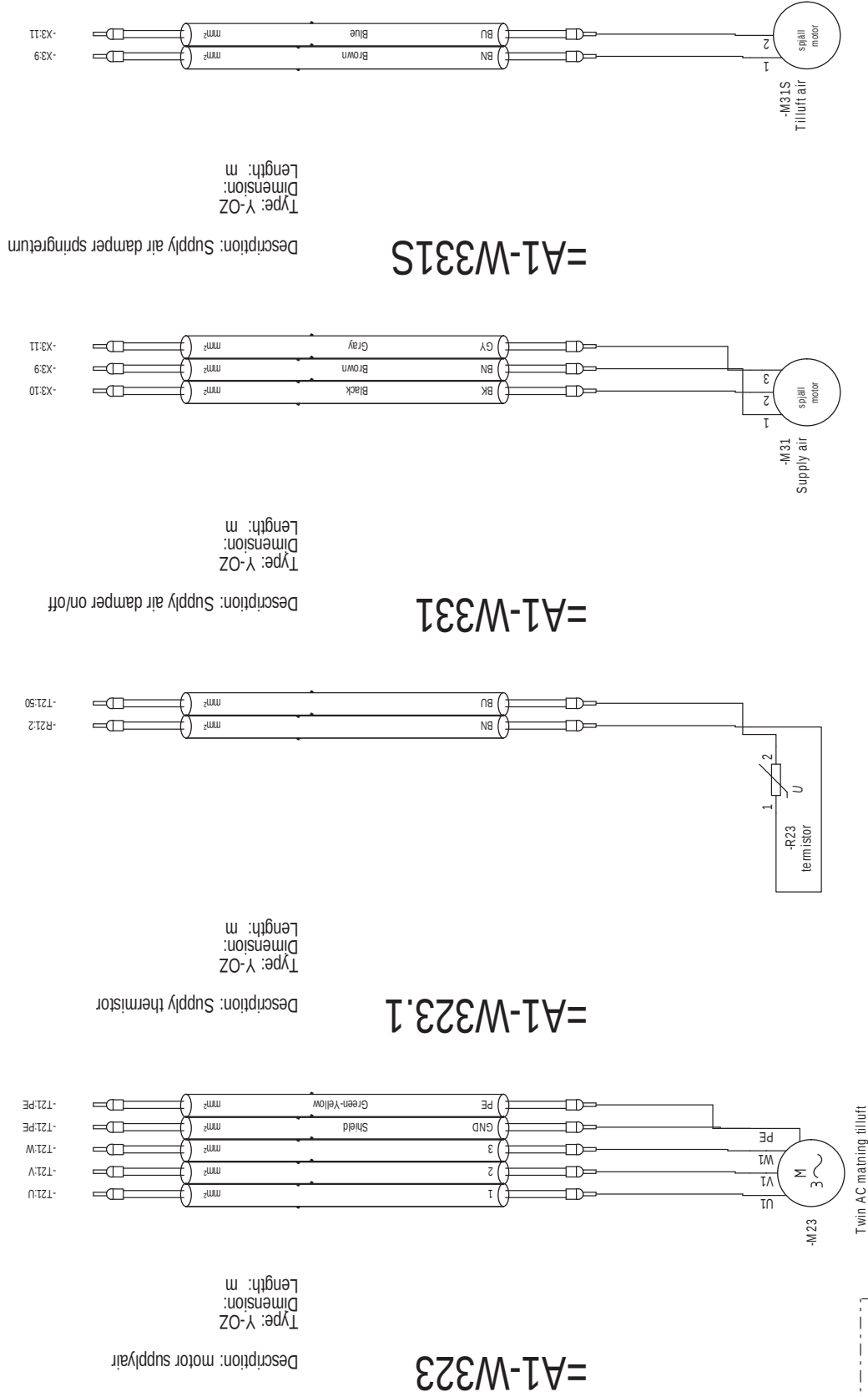
=A1-W321.1

Description: Supply thermistor

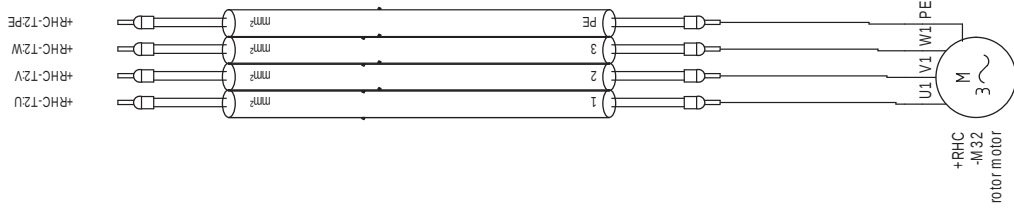
Type: Y-OZ
Dimension:
Length: m

[illegible]

Cabellplan

[illegible]

Cabellplan



=A1-W332

Description: Rotor Motor

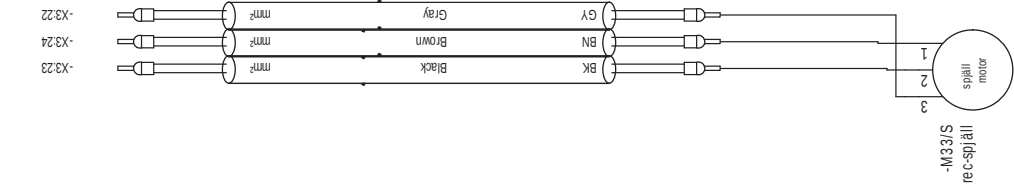
Type:
Dimension:
Length: m



=A1-W333/S

Description: Rec mix damper

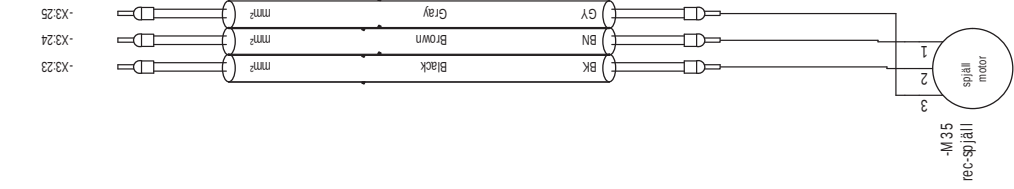
Type: Y-OZ
Dimension: m
Length: m



=A1-W335

Description: Rec damper

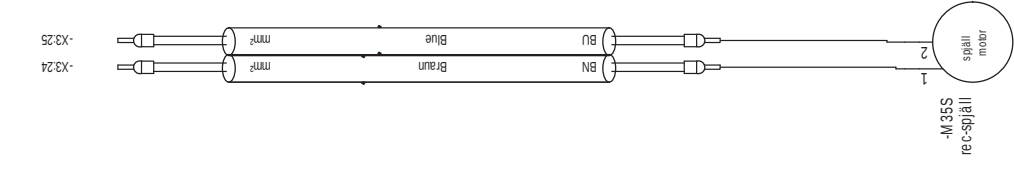
Type: Y-OZ
Dimension: m
Length: m



=A1-W335S

Description: Rec damper

Type:
Dimension:
Length: m

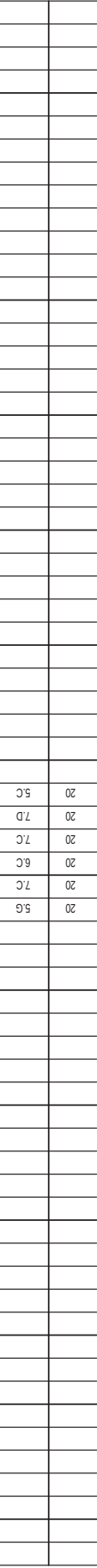
[illegible]



Path
Sheet

Description: Electrical heating coil

Description: Electrical heating coil



Cabelplan

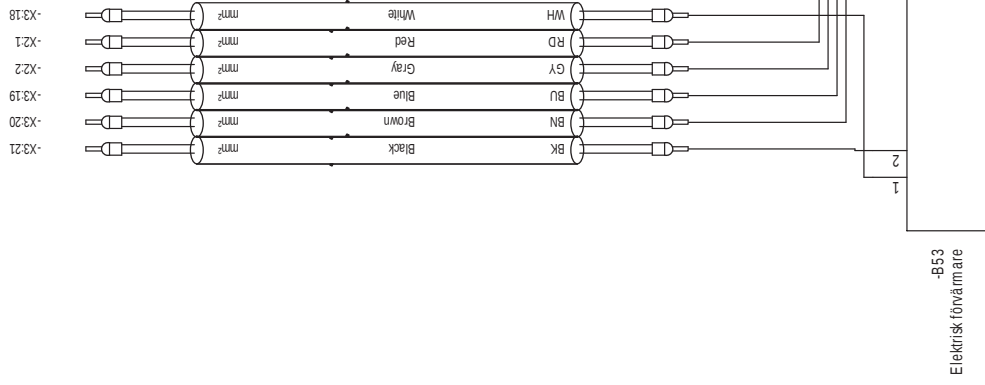
=A1-W353

Description: Pre-heating

Type:
Dimension:
Length: m

Dimension: m
Length: m

Length: m



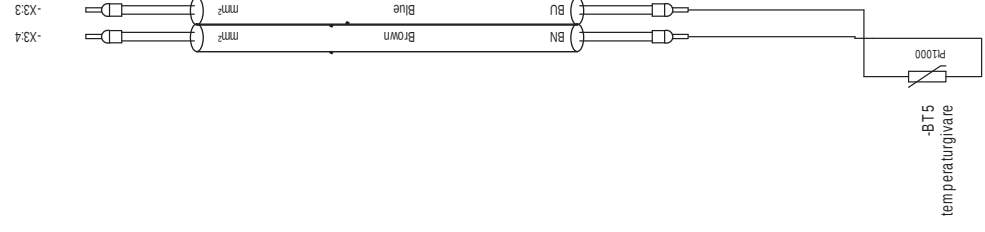
=A1-W355

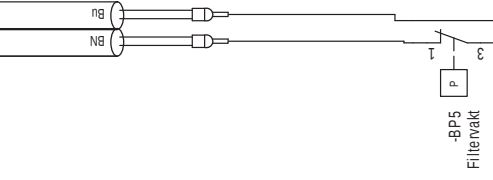
Description: Temperatur sensor supply air

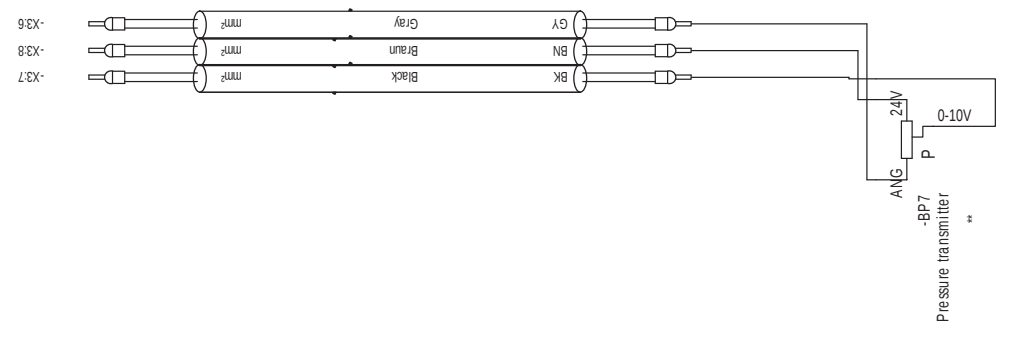
Type:
Dimension:
Length: m

Length: m

Dimension:
Length: m

[illegible]

[illegible]



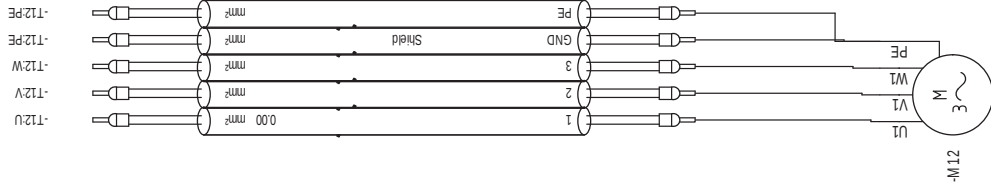
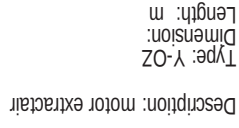
=A1-W365

Description:
Type:
Dimension:
Length: m

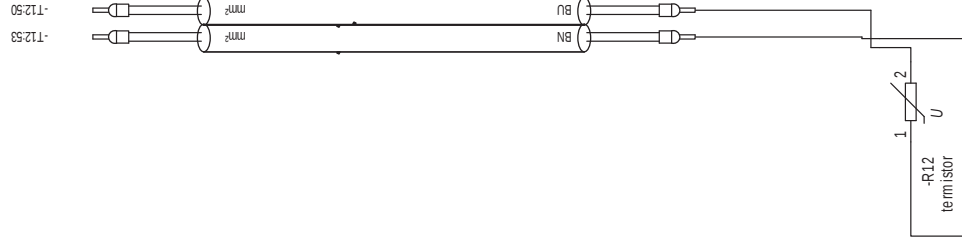
Type:
Dimension:
Length: m

[illegible]

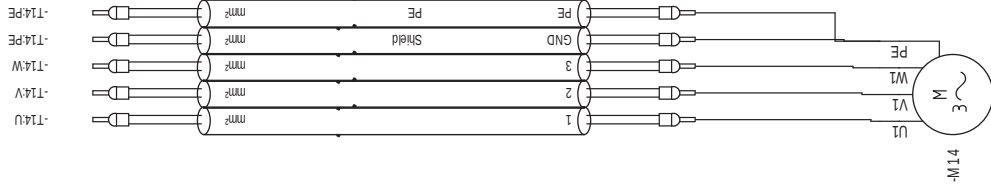
Cabelplan



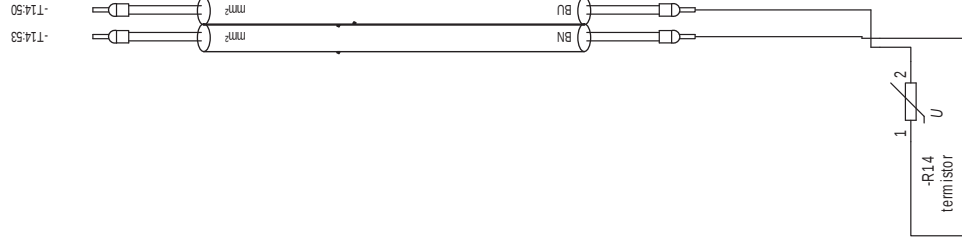
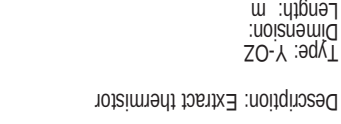
Single PM frånluftsmotor



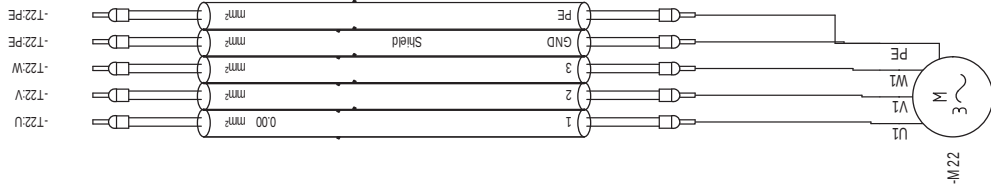
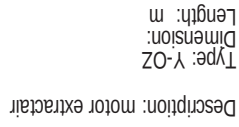
Description: motor extracair
Type: Y-OZ
Dimension:
Length: m



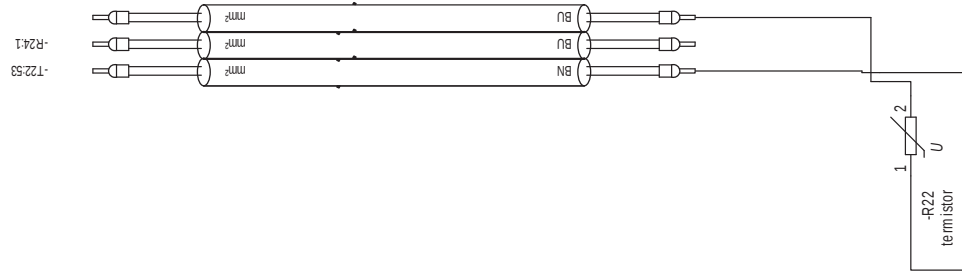
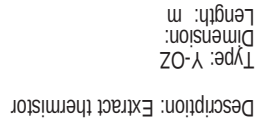
Twin PM frånluftsmotor

[illegible]

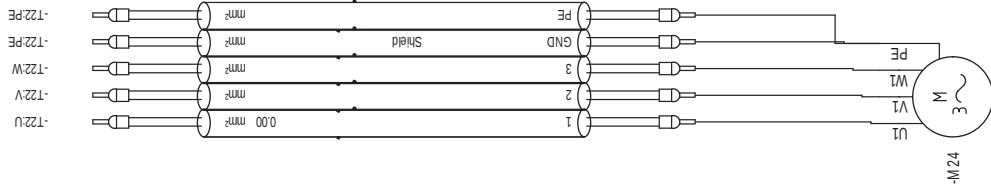
Cabellplan



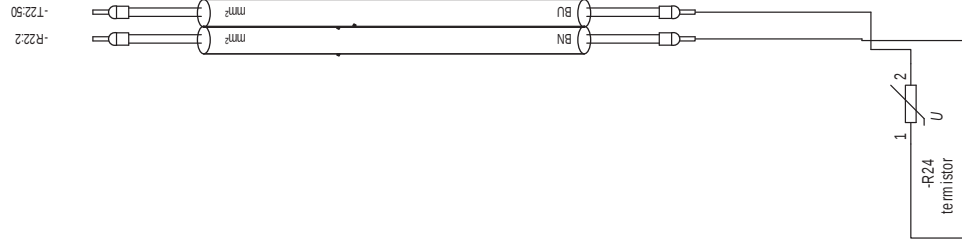
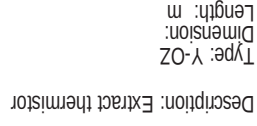
Single AC frånluftsmotor



=A1-W424



Twin AC frånluftsmotor

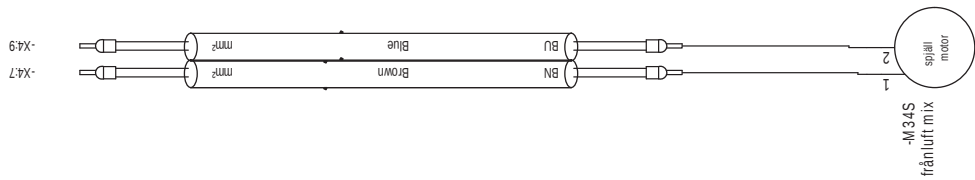
[illegible]

=A1-W432

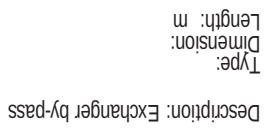
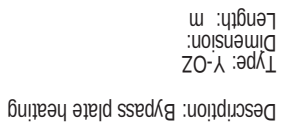
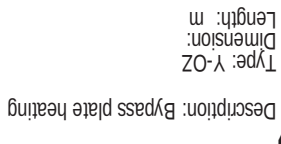
Description: Extract air damper spring

Description: mix extract damper on/off

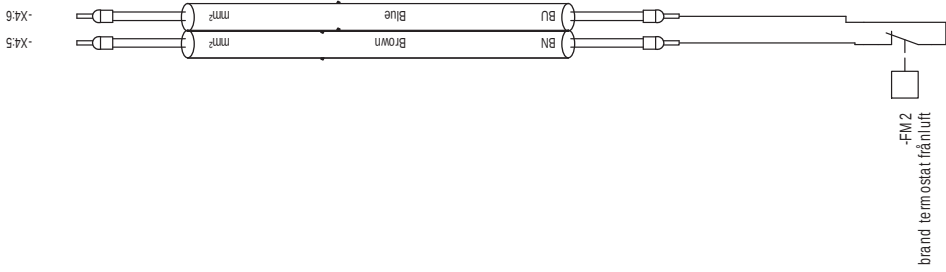
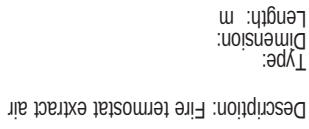
Description: Mix extract damper spring

[illegible]

Sheet



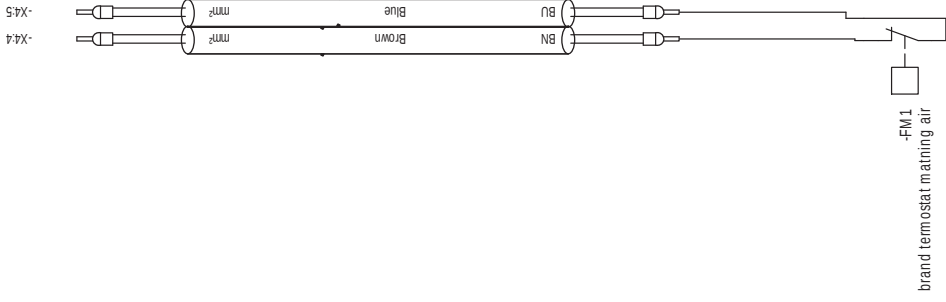
Cabelplan



=A1-W457

Description: Fire thermostat supply air

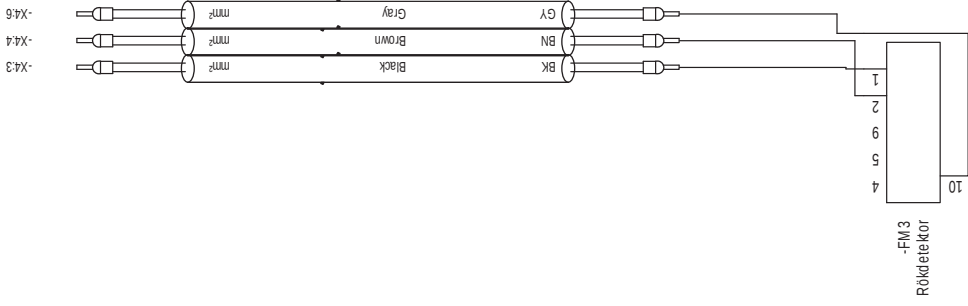
Type:
Dimension:
Length: m

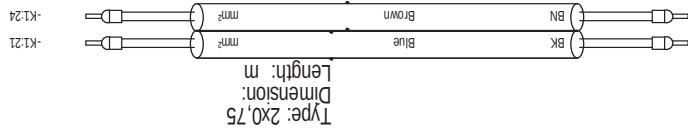


=A1-W458

Description: Smoke det.

Type:
Dimension:
Length: m

[illegible]



=A1-W460

Description: Fire
Type: 2x0,75
Dimension:
Length: m

[illegible]

Cabellplan

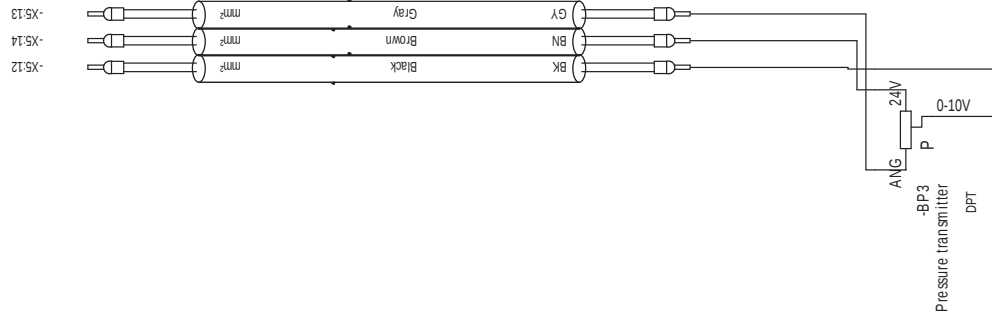
=A1-W509

Description: Room sensor 2

Type:
Dimension:
Length: m

Description: Pressure Supply air external

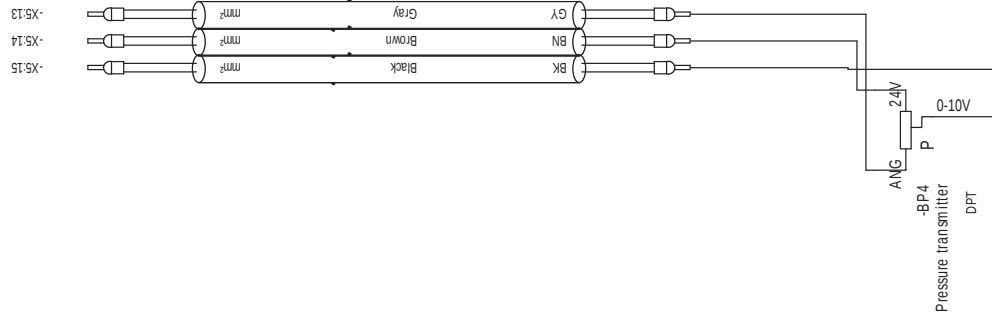
Type: Y-OZ
Dimension:
Length: m



=A1-W514

Description: Pressure Extract air external

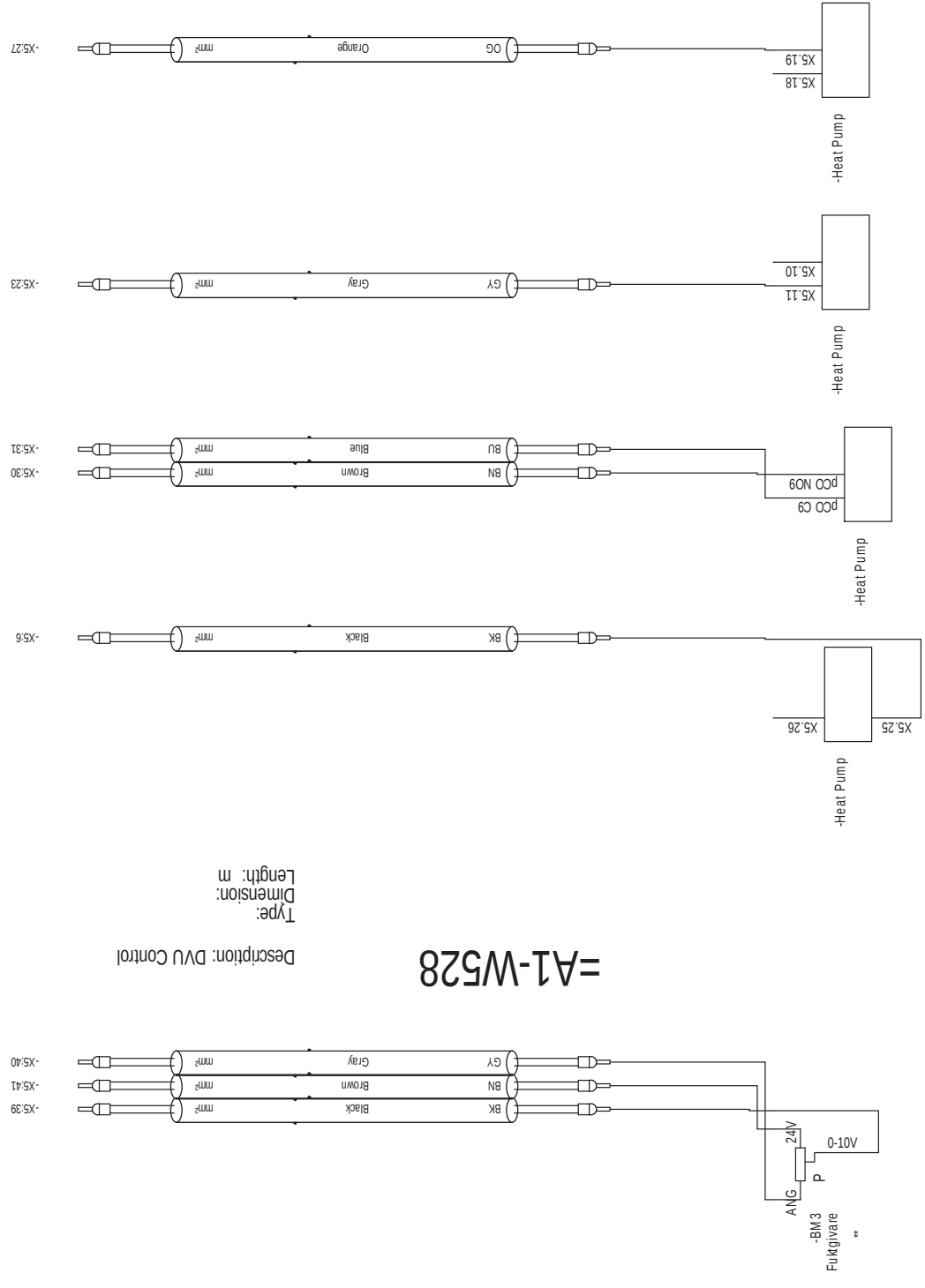
Type: Y-OZ
Dimension:
Length: m



Sheet

Path

[illegible]



Cabelplan
=A1-W519

=A1-W528

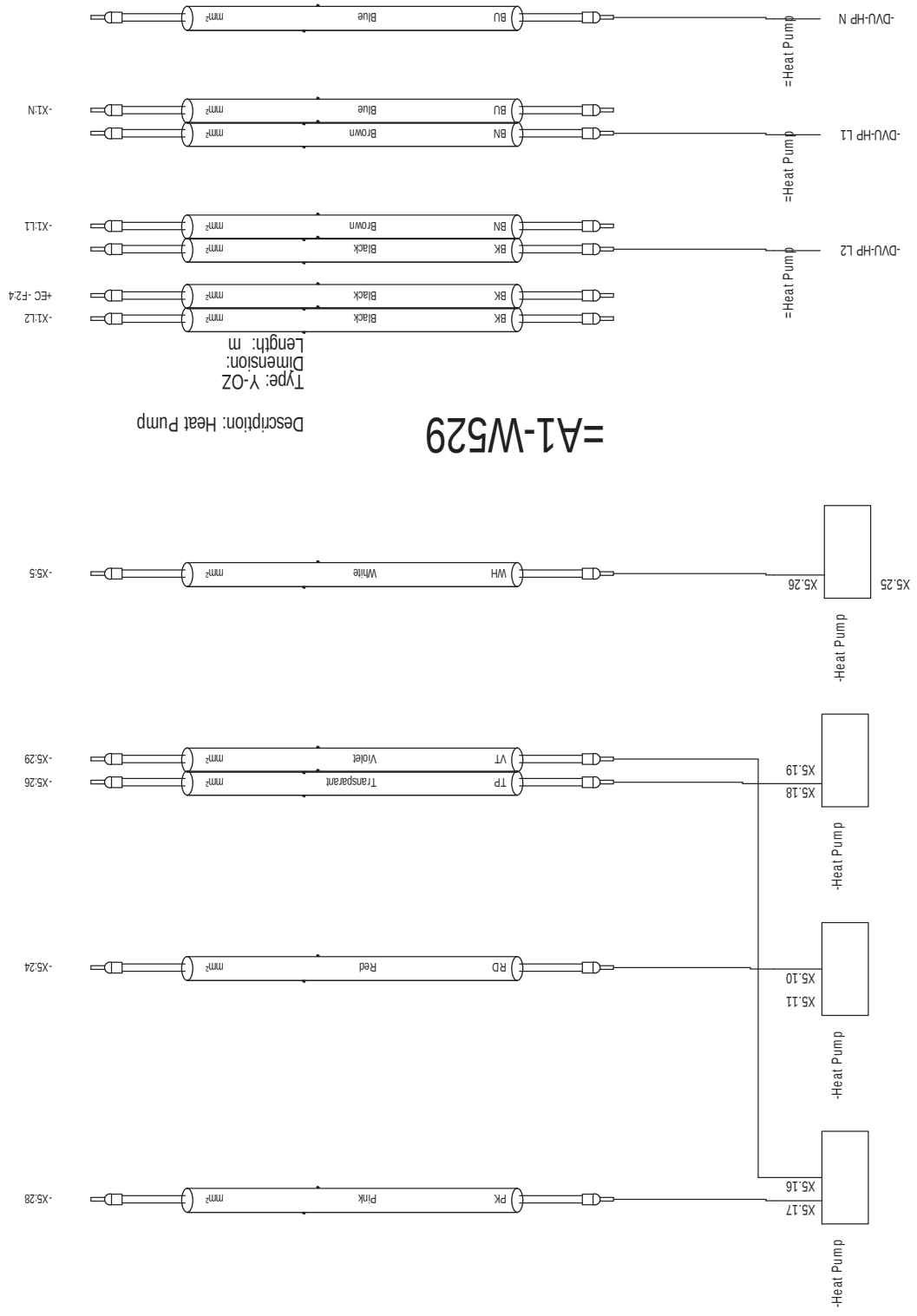
Description: DVU Control

Type:
Dimension:
Length: m

Description: Humidity sensor	Type:	Dimension:	Length: m
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Type:
Dimension:
Length: m

[illegible]



=A1-W528

Cabelplan

Description: DVU Control
Type: Dimension: m
Length: m

=A1-W529

Description: Heat Pump

Type: Y-OZ
Dimension:
Length: m

Cabellplan

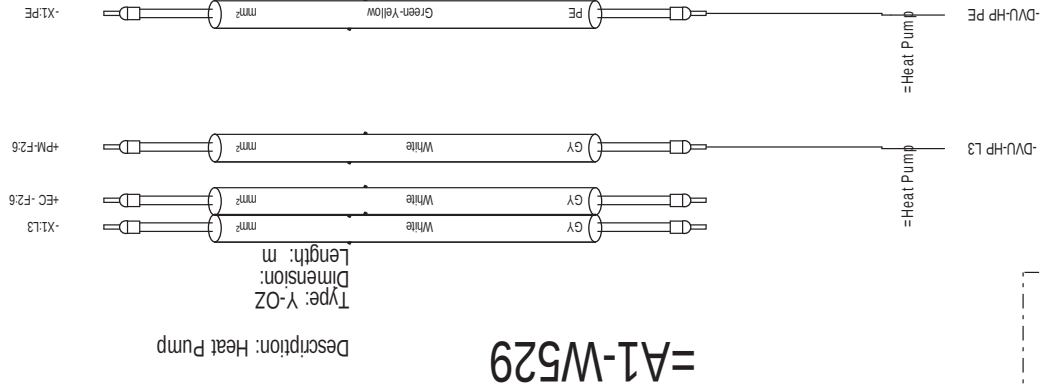
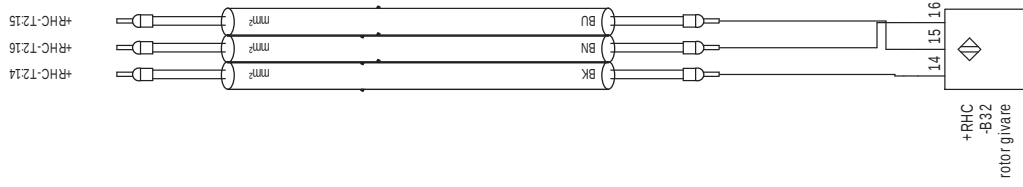
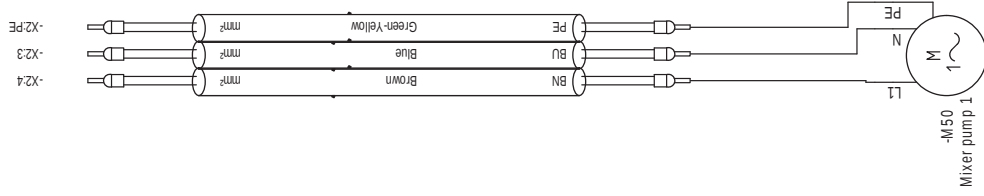


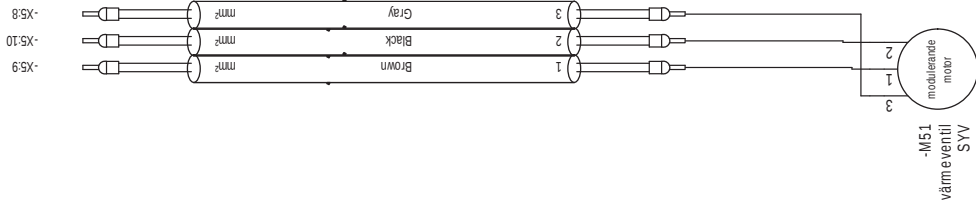
Diagram	Description	Type	Dimension	Length
	Heat Pump	Y-OZ	mm²	m
	Rotor sensor		mm²	m



Type: Rotor sensor Dimension: m Length: m Description: Rotor sensor	
Type: Y-OZ Dimension: m Length: m Description: Mixing pump	

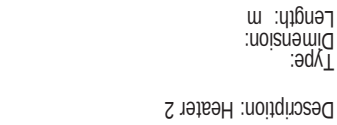
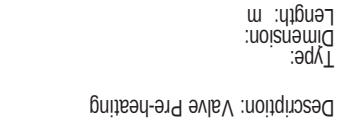


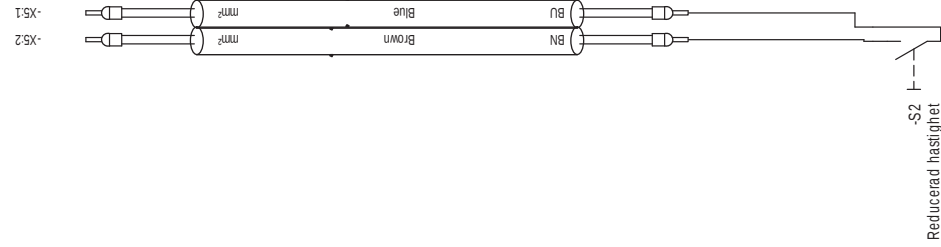
Description: Heating valve Type: Y-OZ Dimension: m Length: m	
Description: Mixing pump Type: Y-OZ Dimension: m Length: m	



Description: Heating valve	Type: Y-OZ	Length: m	Dimension:
			mm ²
			mm ²
			mm ²

[illegible]

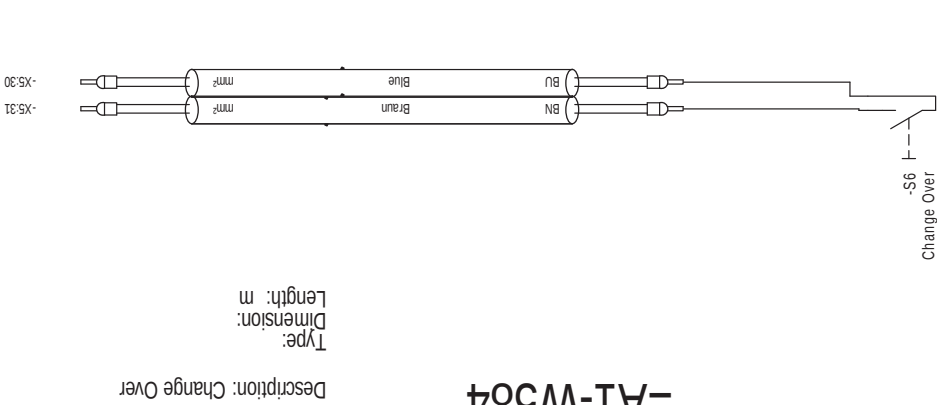
[illegible]

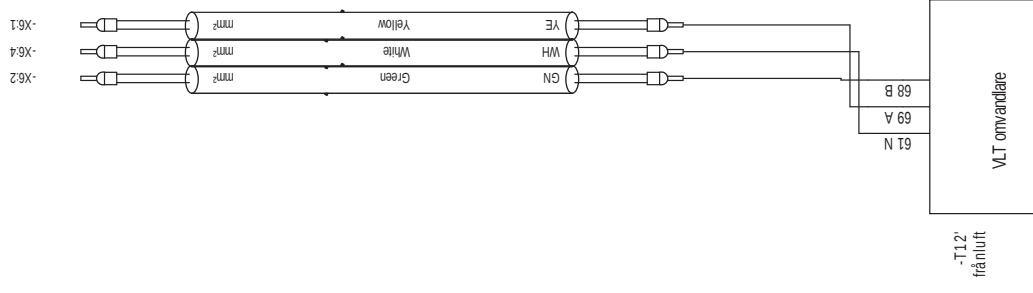


=A1-W580

Description: Reduced speed
Type: Y-OZ
Dimension:
Length: m

[illegible]

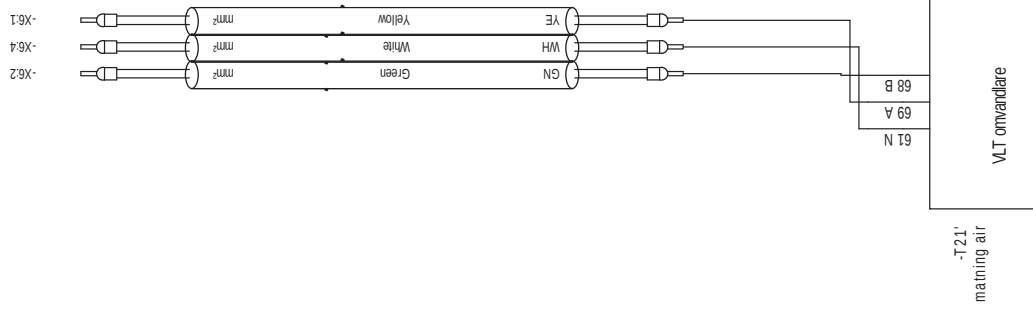
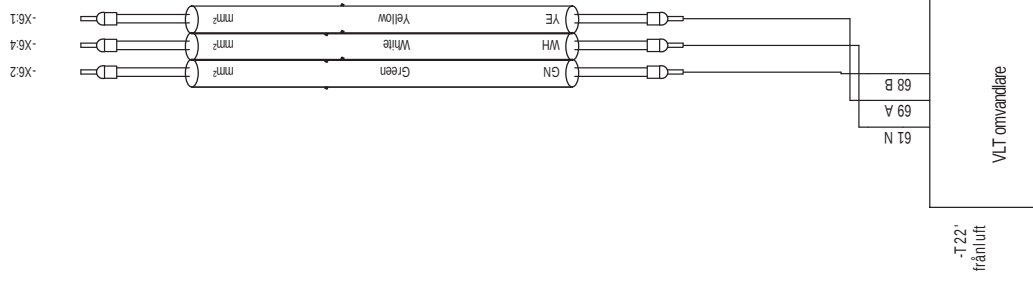
[illegible]



=A1-W616

Description: T12 BUS
Type: BUS
Dimension: 4x0,6mm2
Length: m

Path	Sheet
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=A1-W622

=A1-W621

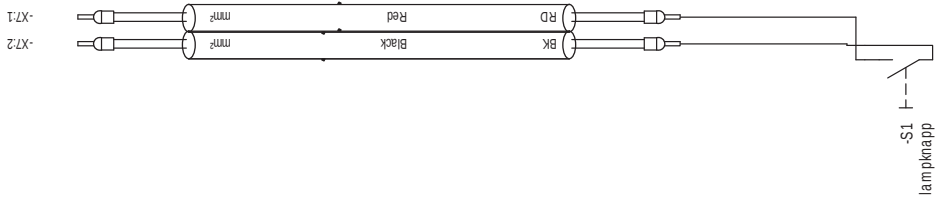
Description: T21 BUS
Type: BUS
Dimension: 4x0,6mm2
Length: m

[illegible]

Cabelplan

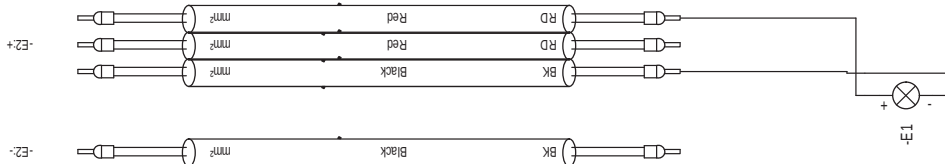
=A1-W700

Description: Light switch	Type:
	Dimension:
	Length: m



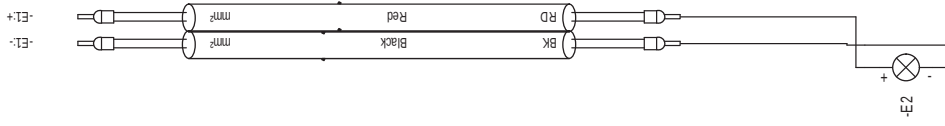
=A1-W701

Description: Light P20
Type: Y-OZ
Dimension:
Length: m



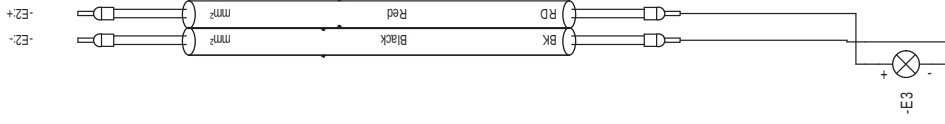
=A1-W702

Description: Light P20
Type: Y-OZ
Dimension:
Length: m



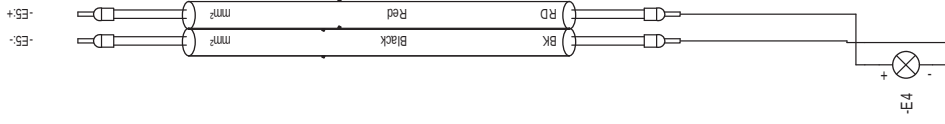
=A1-W703

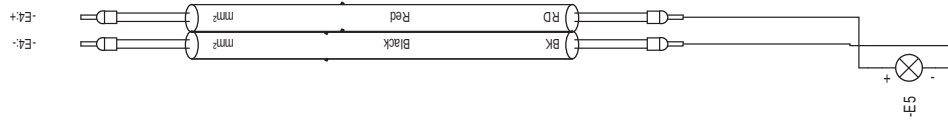
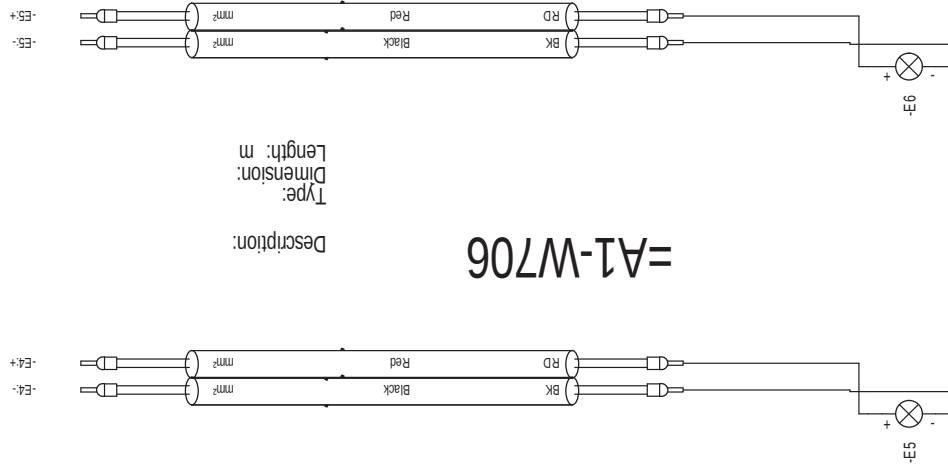
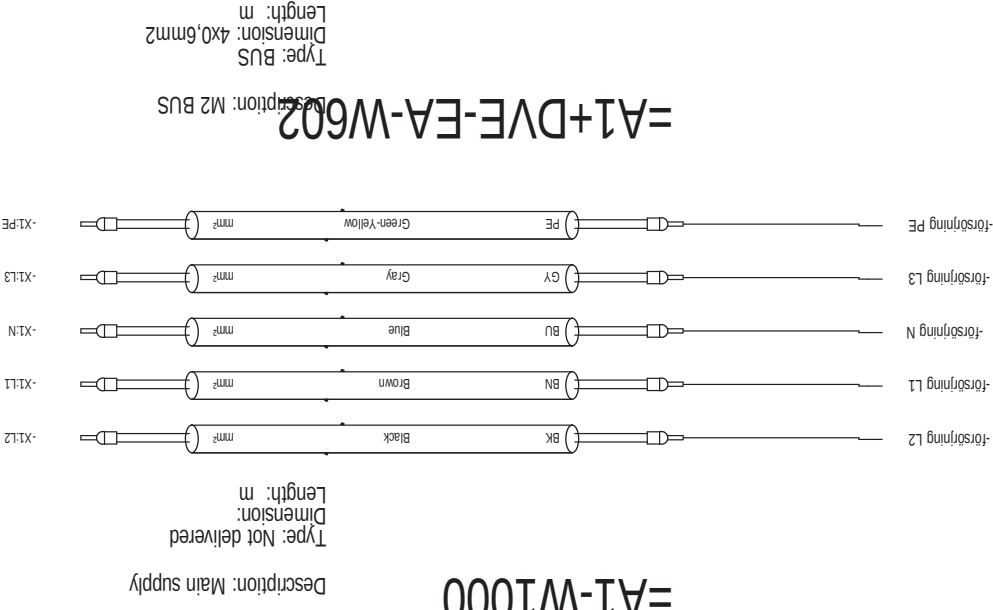
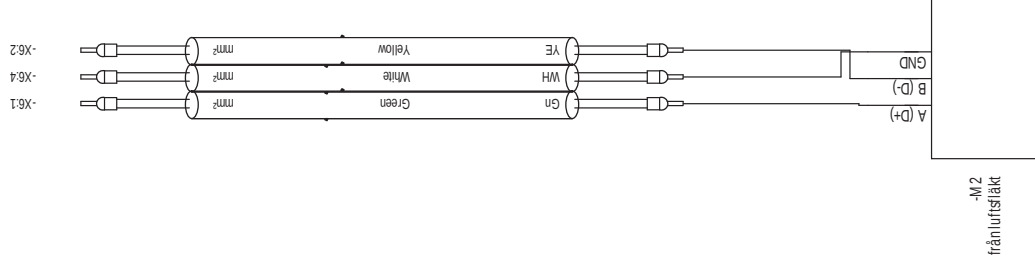
Description: Light P20
Type: Y-OZ
Dimension:
Length: m



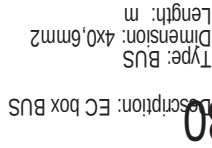
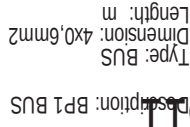
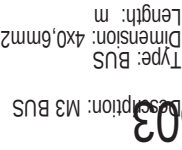
=A1-W704

Description: Light P21
Type: Y-OZ
Dimension:
Length: m

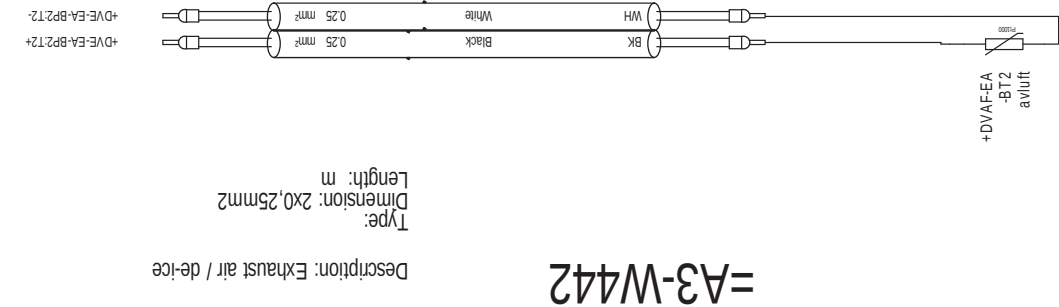
[illegible]

[illegible]

[illegible]



Project	Geniox Control system - ver. 03.01 SE		Init.:	MIKE	Rev.:	03.01	Sheet	41
Date	27-11-2017	Funk	Dok number		Geniox Control system		Page	100

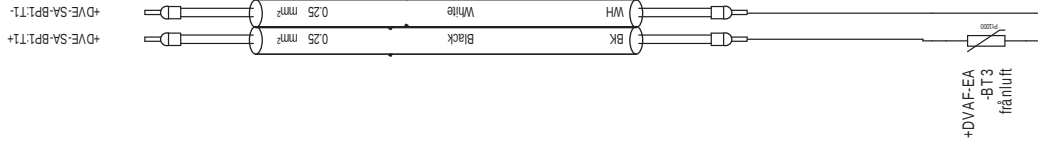
[illegible]

Cabellplan

=A3-W444

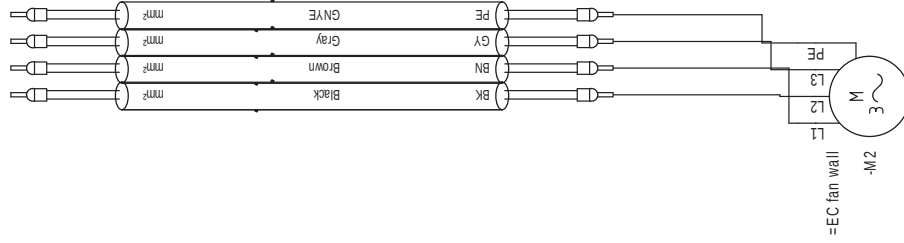
Description: Extract air

Type:
Dimension: 2x0,25mm2
Length: m



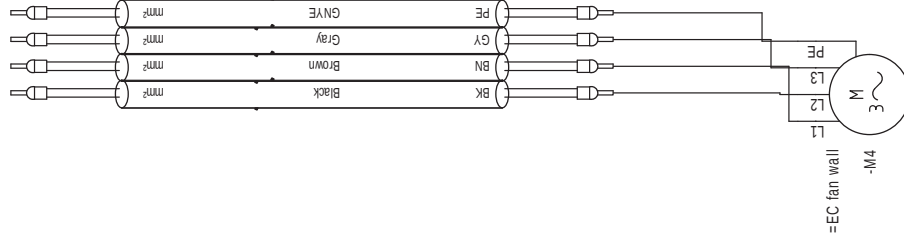
=EC box+Extract-W102

Type:
Dimension:
Length: m



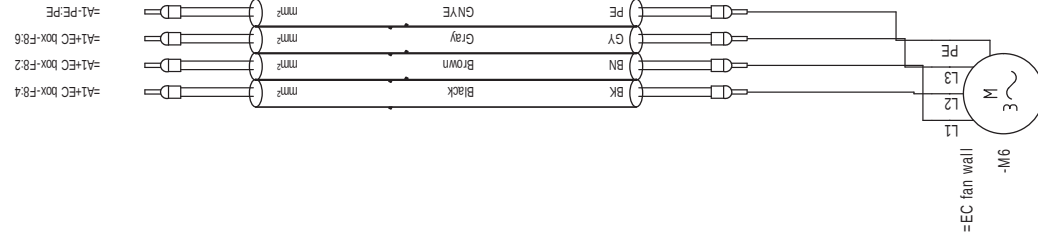
EC box+Extract-W104

Type:
Dimension:
Length: m



EC box+Extract-W106

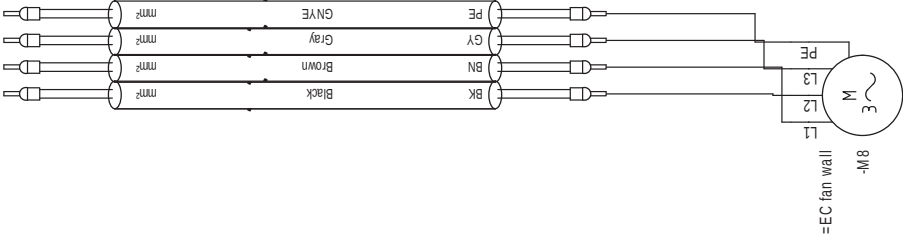
Type:
Dimension:
Length: m



Cabelplan

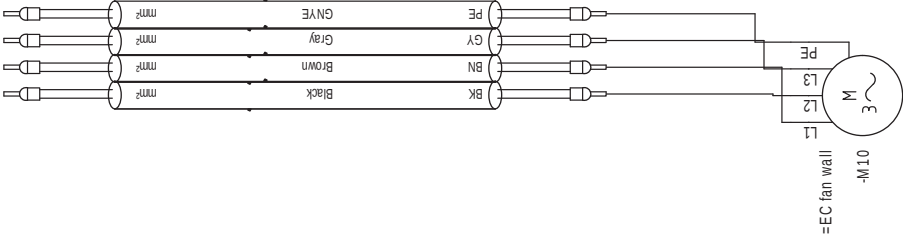
=EC box+Extract-W108

Type: Description:
Dimension: m
Length: m



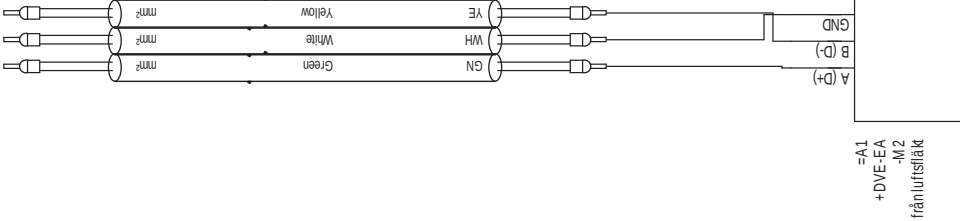
=EC box+Extract-W110

Type: Description:
Dimension: m
Length: m



=EC box+Extract-W602

Type: Description:
Dimension: 4x0,6mm²
Length: m



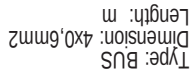
Path

Sheet

35 5.J
35 6.J
35 5.J

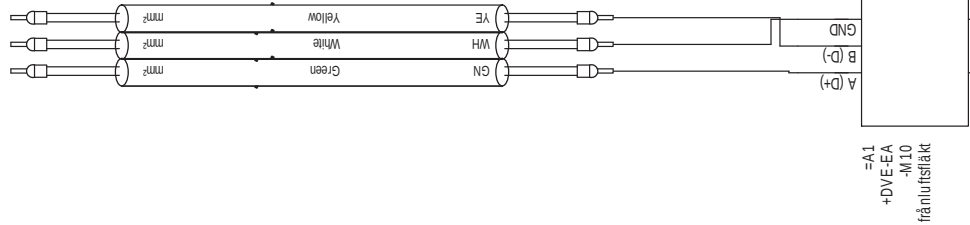
32 17.K
32 17.K
32 16.K
32 17.K

32 14.K
32 14.K
32 13.K
32 13.K

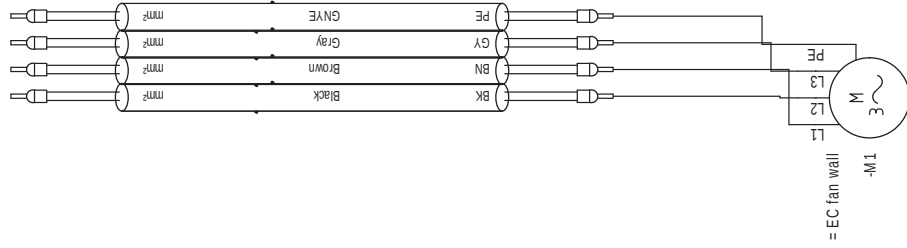


Path	Sheet
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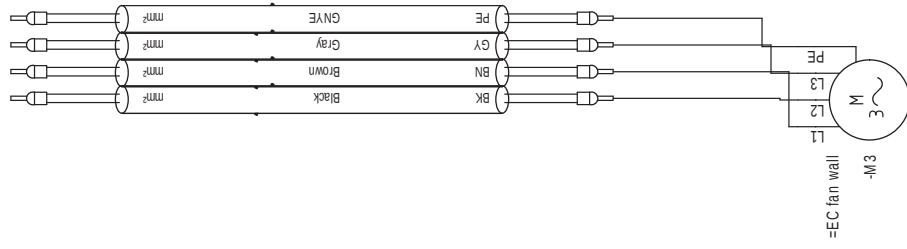
Cabellplan



W610
 Description: M10 BUS
 Type: BUS
 Dimension: 4x0,6mm²
 Length: m

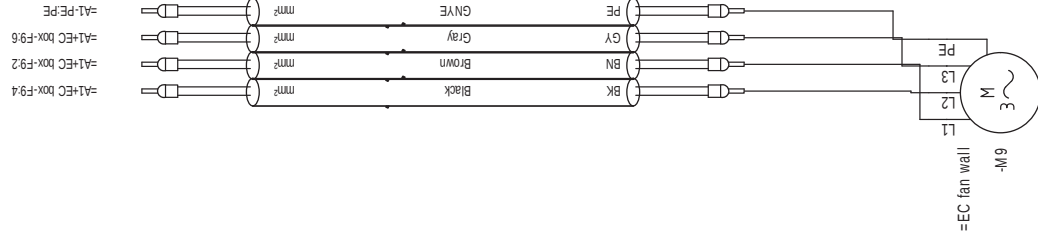
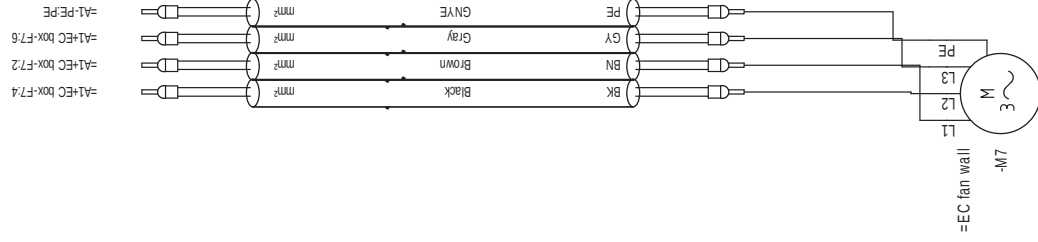
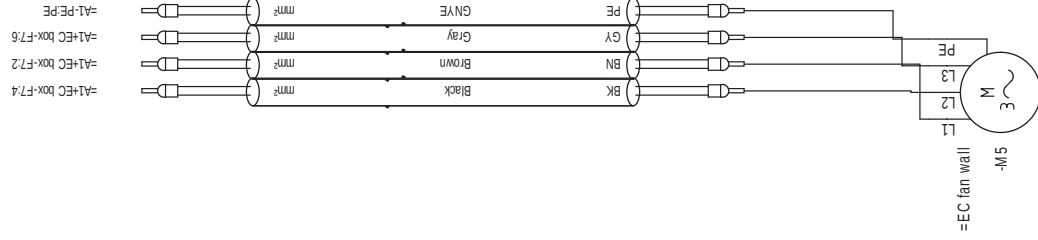
Type:
Dimension:
Length: m

EC box+Supply-W103

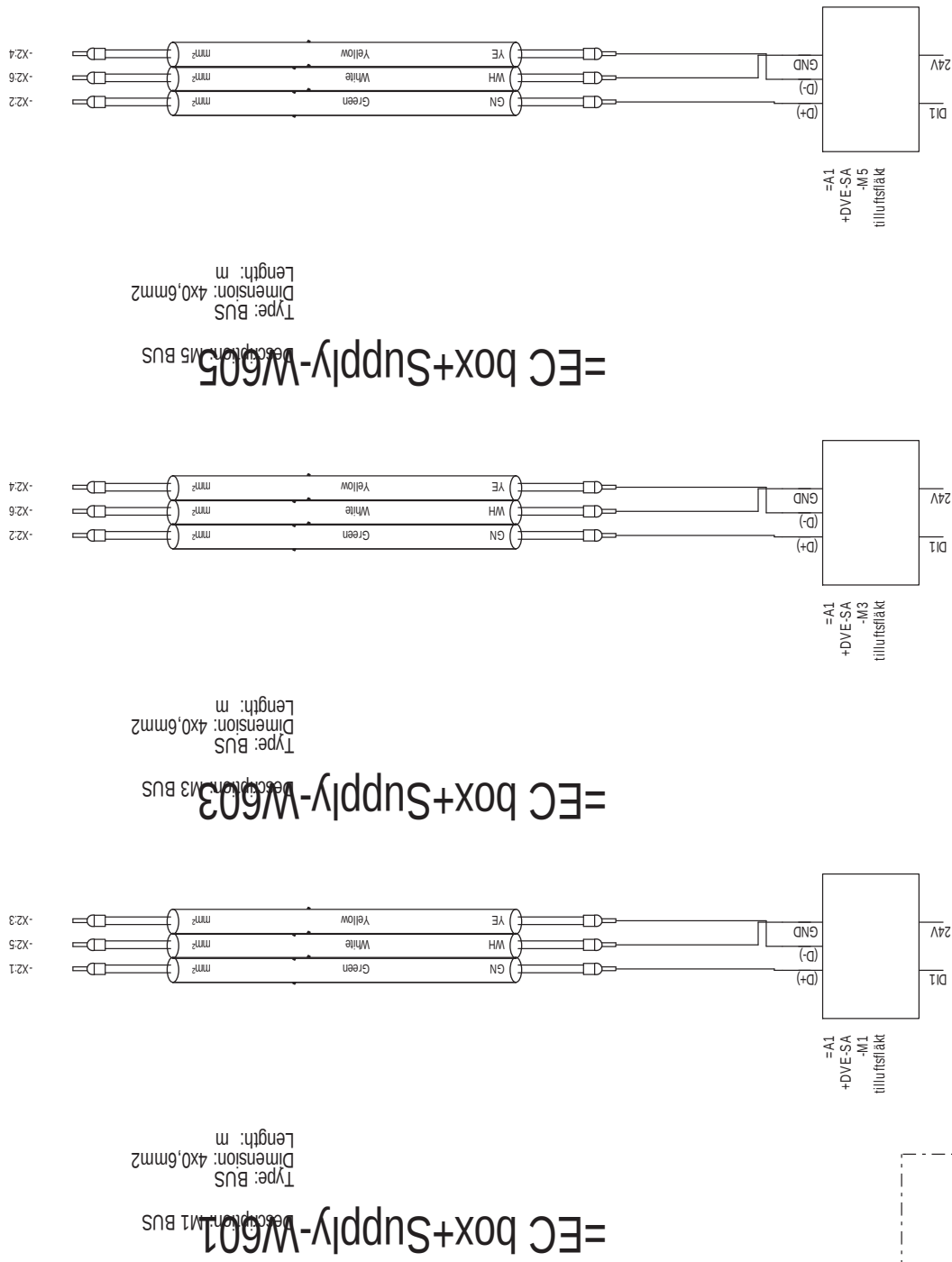
Type:
Dimension:
Length: m

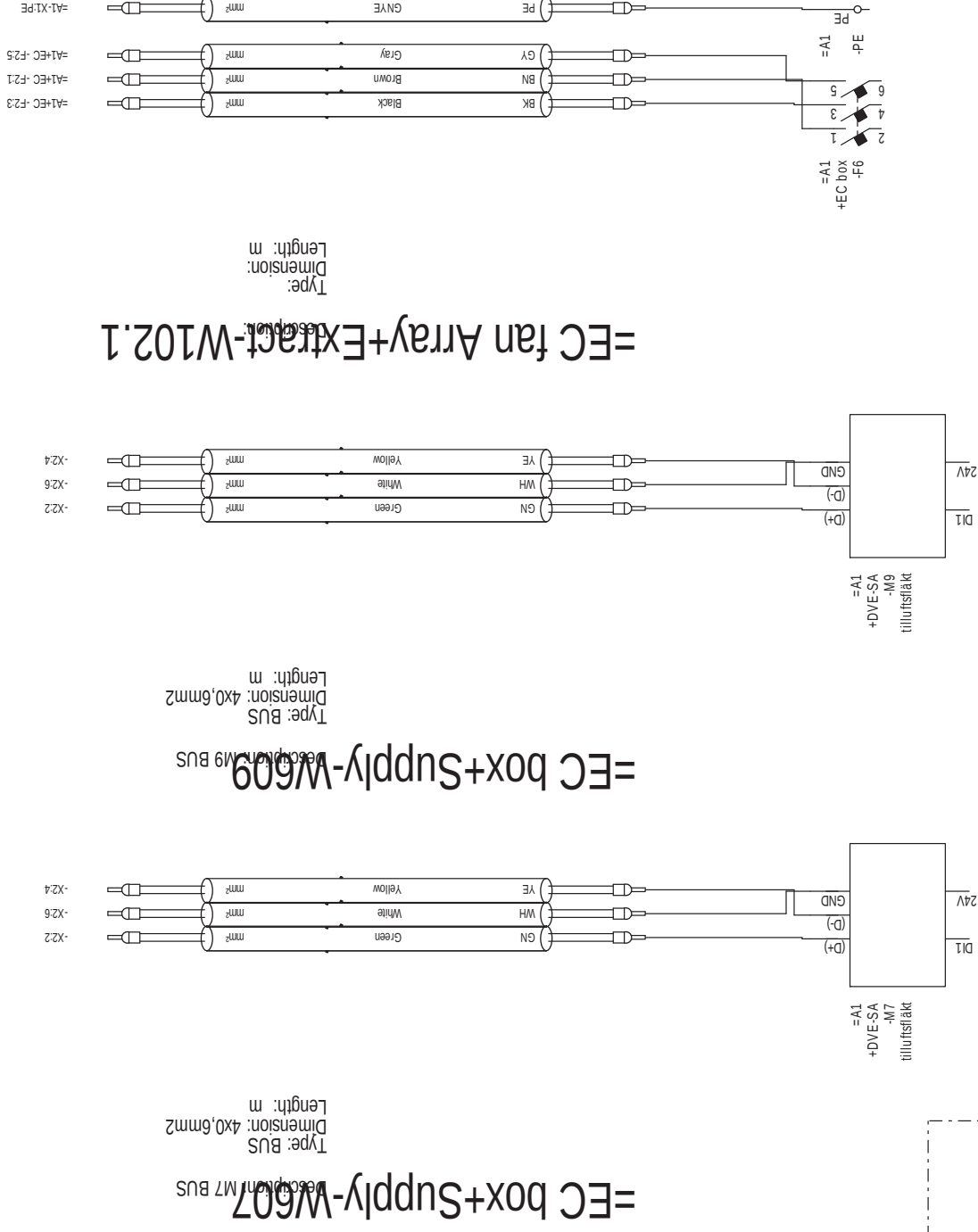
=A1+EC box-F5:4
=A1+EC box-F5:2
=A1+EC box-F5:6
=A1-PE:PE

Cabellplan



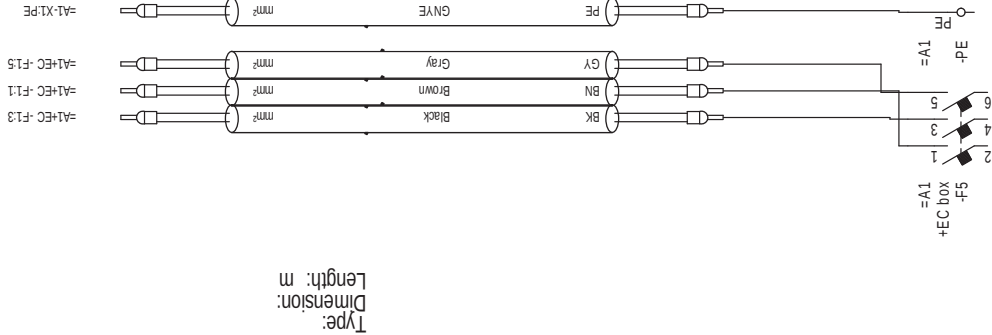
Cabellplan



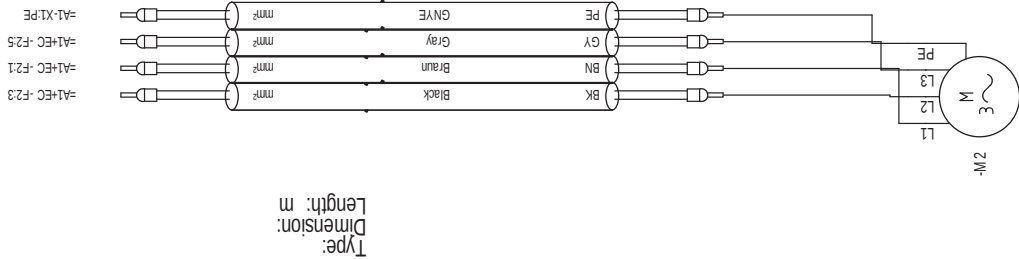


Cabelplan

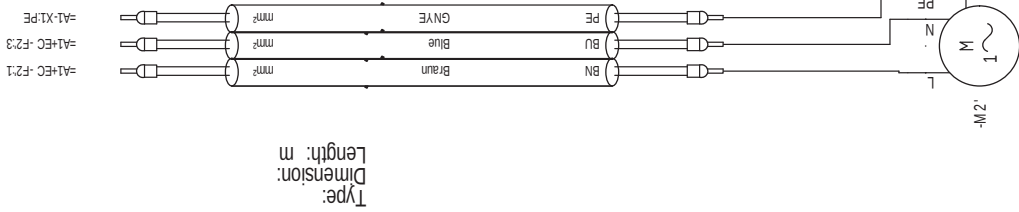
=EC fan Array+Supply-W101.1



=EC Single/Twin+Extract-W102



=EC Single/Twin+Extract-W102'



=EC Single/Twin+Supply-W101

