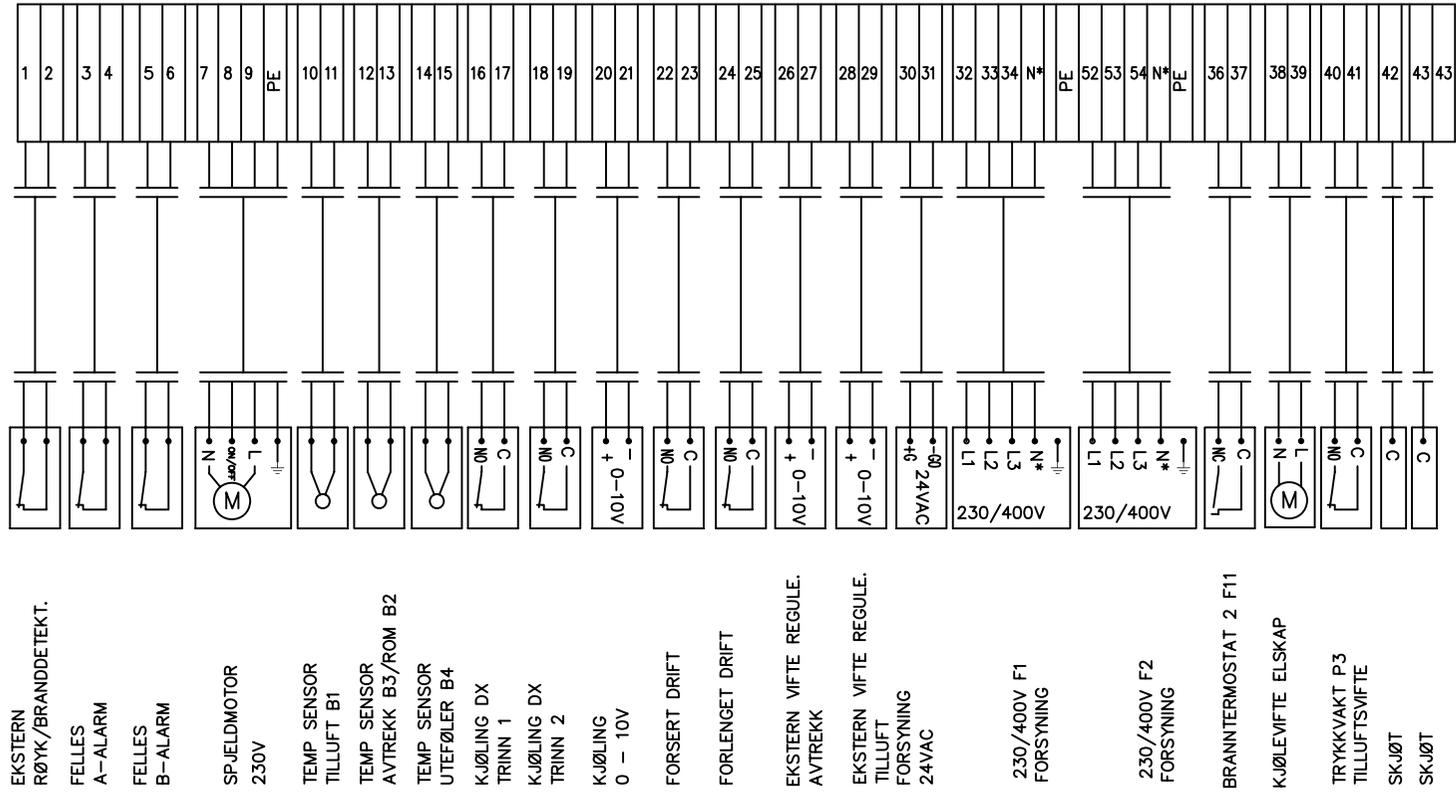
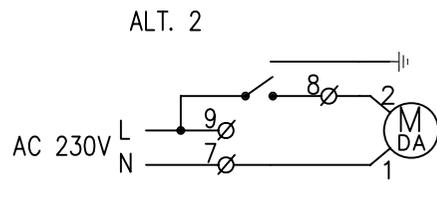
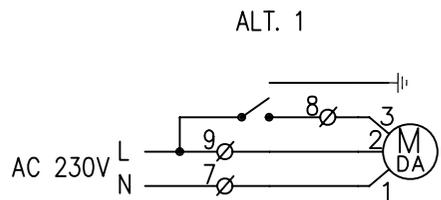


*Bare 400V Forsyning

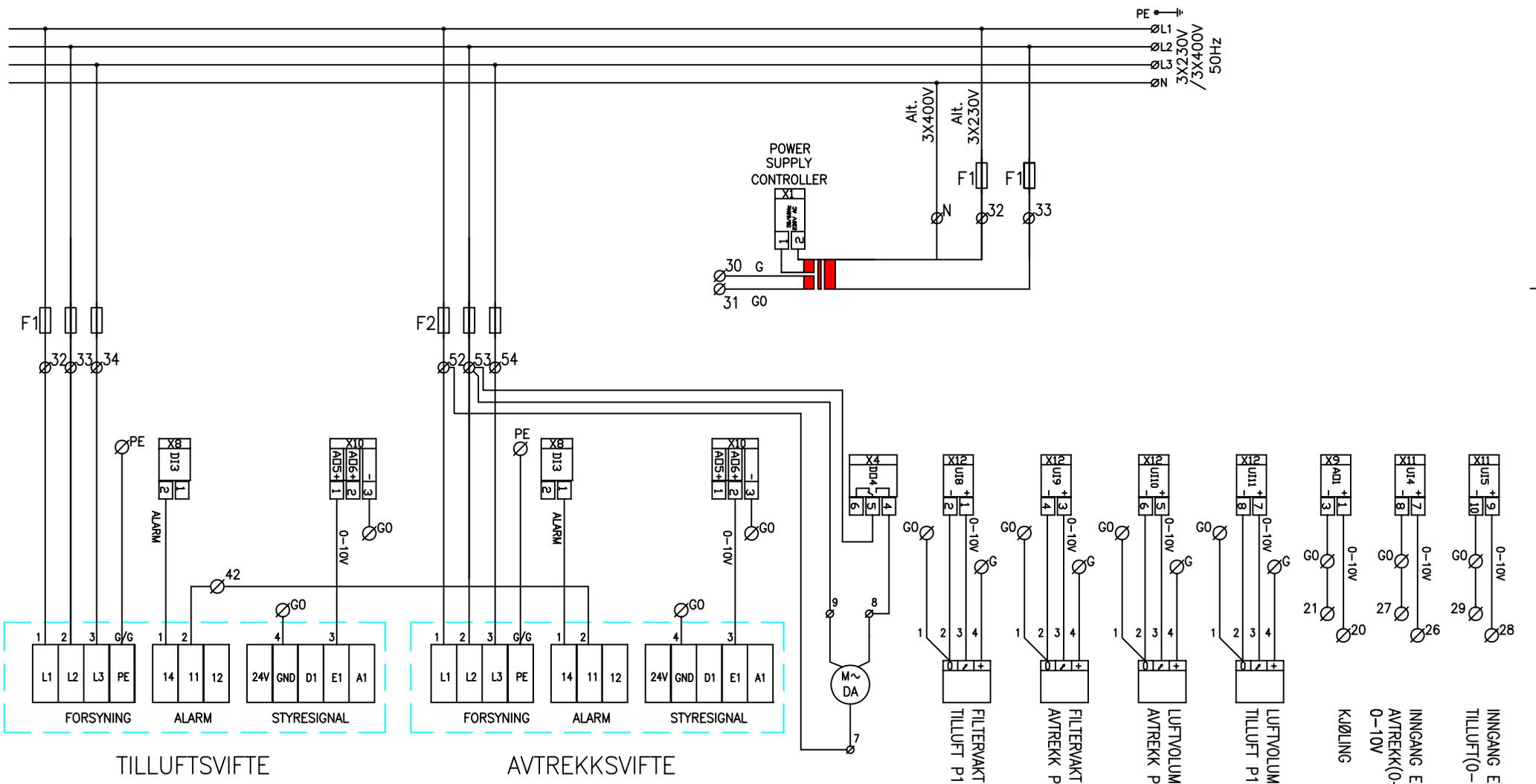


TILKOBLING SPJELD



Date		20.06.07		Checked		T. I. Engen		Appr.		Projection		Scale		Drawing no. Standard		Art. No.		Matr. Spec.	
Changes		Date/Sign.		Name, type, dim.		REKKEKLEMMESKJEMA CS 1000 3-fas		EL.BATTERI		ART.NR.:100940		Replaces:		Replaced by:		342180		Side:	
Symb.:																			

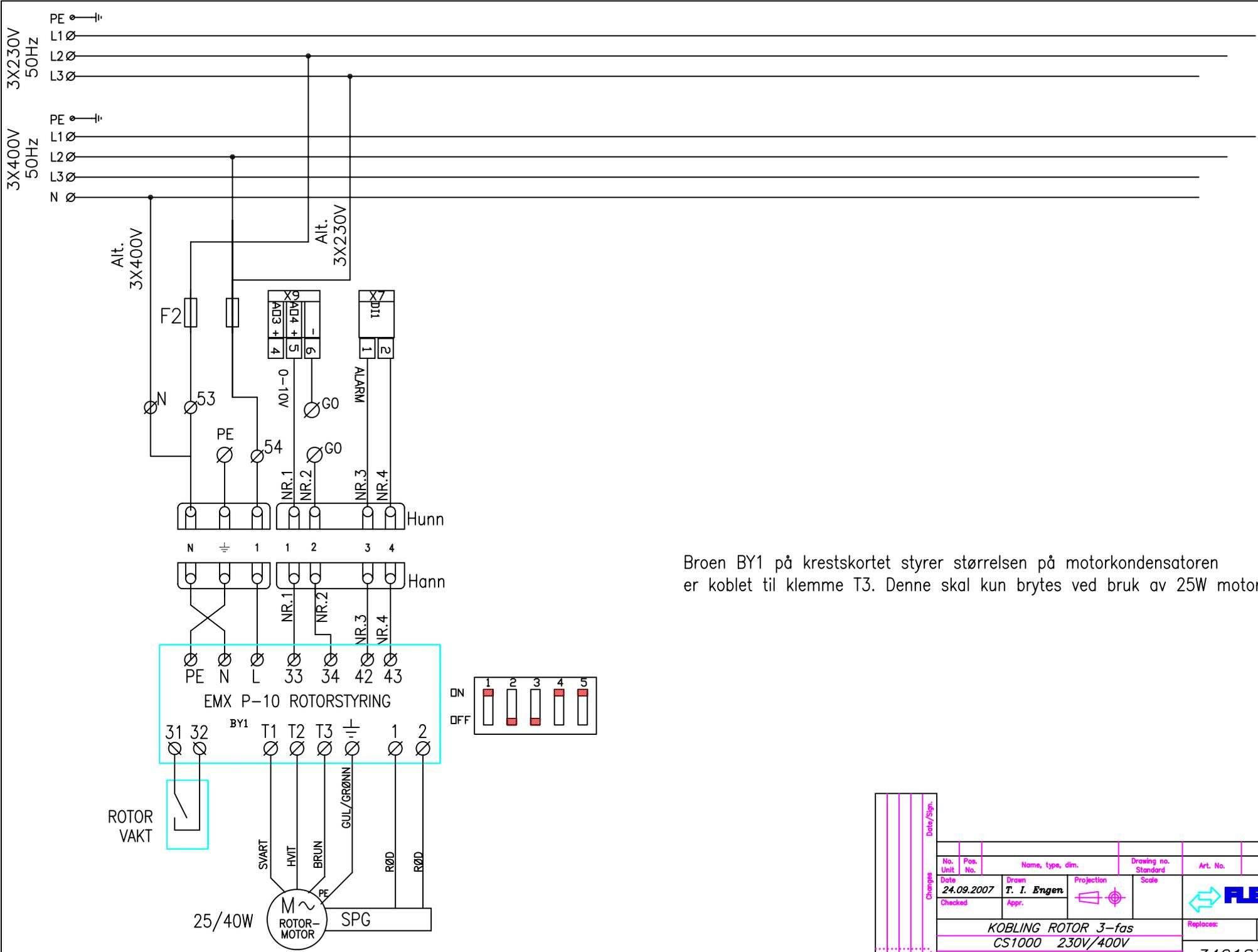




FOR_KOMPONENT_DIMENSJONER_SE:93529

No. Unit		Pos. No.		Name, type, dim.		Drawing no. Standard		Art. No.		Matr. Spec.	
Date		Drawn		Projection		Scale				Replaces: Replaced by:	
20.06.07		T. I. Engen									
Checked		Appr.						KOBLING INTERNT EC-MOTOR 3FAS CS 1000 230V/400V ART.NR.: 100939		342179 Side:	

Lyn- og utrustningskontroll



Broen BY1 på krestskortet styrer størrelsen på motorkondensatoren er koblet til klemme T3. Denne skal kun brytes ved bruk av 25W motor.

No. Unit		Pos. No.		Name, type, dim.		Drawing no. Standard		Art. No.		Matr. Spec.	
Date		Drawn		Projection		Scale				Replaces: Replaced by:	
24.09.2007		T. I. Engen									
Checked		Appr.						KOBLING ROTOR 3-fas CS1000 230V/400V ART.NR.:100943		342183 Side:	

Lys-out Mørk-bak

Elkomponentoversikt CS1000

93529/2008-01

Type	F1	F2	F3	F4	K1	K2	SSR	EB/stk	Tot kW
L20 XE 230 V	2*16	2*16	3*50		3*45		50	2500W	15kW
L20 XE 400 V	2*16	3*25			3*25		50	2500W	15kW
L20 XW 230 V	2*10	2*10							
L30 XE 230 V	2*16	2*16	3*32	3*32	3*32	3*32	50	3333W	20kW
L30 XE 400 V	2*16	3*32			3*25	3*25	50	3333W	20kW
L30 XW 230 V	2*10	2*10							
S20/30 E 230 V	2*16	2*16	3*50		3*45		50	2000/2500W	12/15kW
S20/30 E 400 V	2*16	3*25			3*45		50	2000/2500W	12/15kW
S20/30 W 230 V	2*16	2*16							
S20/30 W 400 V	2*16								
L14 RE 230V	2*10		3*10		3*25		25	1200W	3,6kW
L14 RE 400V	1*10		3*10		3*25		25	1200W	3,6kW
L14 RE 230V	2*10		3*10		3*25		25	600W	1,8kW
L14 RE 400V	1*10		3*10		3*25		25	600W	1,8kW
L14 RW 230V	2*10								
L20 RE 230V	2*10	2*10	3*16		3*25		25	2000W	6kW
L20 RE 400V	2*10	3*16			3*25		25	2000W	6kW
L20 RE 230V	2*10	2*10	3*16		3*25		25	1000W	3kW
L20 RE 400V	2*10	3*16			3*25		25	1000W	3kW
L20 RW 230V	2*10	2*10							
L20 RW 400V	2*10								
L40/30 RE 230V	2*16	2*16	3*32		3*45		75	2000W	12kW
L40/30 RE 400V	2*16	3*25			3*45		75	2000W	12kW
L40/30 RE 230V	2*16	2*16	3*25		3*45		75	2000W	6kW
L40/30 RE 400V	2*16	3*16			3*45		75	2000W	6kW
L40/30 RW 230V	2*16	2*16							
L40/30 RW 400V	2*16								
L50XE 230V	3*32	2*10	external	external	3*45	3*45	50	2833W	34kW
L50XE 400V	2*25	1*10	external	external	3*45	3*45	50	2833W	34kW
L50XW 230V	3*32	2*10							
L50XW 400V	2*25	1*10							
L60RE 230V	3*16	3*16	3*50		3*45		75	2500W	15kW
L60RE 400V	3*16	3*16	3*25		3*45		75	2500W	15kW
L60RE 230V	3*16	3*16	3*25		3*45		75	2500W	7,5kW
L60RE 400V	3*16	3*16	3*16		3*45		75	2500W	7,5kW
L60RW 230V	3*16	3*16							
L60RW 400V	3*16	3*16							

Elkomponentoversikt CS500

Type	F1	F2	F3	F4	K1	K2	SSR	EB/stk	Tot kW
S12XE 230V	2*10		external		3*20		25	2000W	6kW
S12XE 400V	1*10		external		3*20		25	2000W	6kW
S12XW 230V	2*10								
S12RE 230V	2*10		external		3*20		25	2000W	6kW
S12RE 400V	1*10		external		3*20		25	2000W	6kW
S12RW 230V	2*10								
L14 RE 230V	2*10		3*10		3*25		25	1200W	3,6kW
L14 RE 400V	1*10		3*10		3*25		25	1200W	3,6kW
L14 RE 230V	2*10		3*10		3*25		25	600W	1,8kW
L14 RE 400V	1*10		3*10		3*25		25	600W	1,8kW
L14 RW 230V	2*10								
L20 RE 230V	2*10	2*10	3*16		3*25		25	2000W	6kW
L20 RE 400V	2*10		3*16		3*25		25	2000W	6kW
L20 RE 230V	2*10	2*10	3*16		3*25		25	1000W	3kW
L20 RE 400V	2*10		3*16		3*25		25	1000W	3kW
L20 RW 230V	2*10	2*10							
L20 RW 400V	2*10								
L40/30 RE 230V	2*16	2*16	3*32		3*45		75	2000W	12kW
L40/30 RE 400V	2*16		3*25		3*45		75	2000W	12kW
L40/30 RE 230V	2*16	2*16	3*25		3*45		75	2000W	6kW
L40/30 RE 400V	2*16		3*16		3*45		75	2000W	6kW
L40/30 RW 230V	2*16	2*16							
L40/30 RW 400V	2*16								
L60RE 230V	3*16	3*16	3*50		3*45		75	2500W	15kW
L60RE 400V	3*16	3*16	3*25		3*45		75	2500W	15kW
L60RE 230V	3*16	3*16	3*25		3*45		75	2500W	7,5kW
L60RE 400V	3*16	3*16	3*16		3*45		75	2500W	7,5kW
L60RW 230V	3*16	3*16							
L60RW 400V	3*16	3*16							

TILKOBLING TERMINAL OG KOMPONENTER

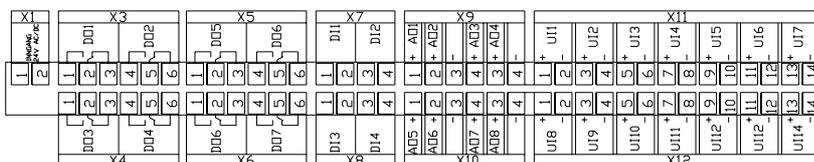
CS1000 Funksjon IO	IO Type	Tilkobling CS1000	Tilkobling komponenter
Rele utgang			
DO1	Pumpe (vannbatteri)/ Varme trinn 2 (el.batteri)	Digital	X3 (Pin 1,2) X:35, X:40 X:41, K2-A1
DO2	Varme trinn 3 (el.batteri)	Digital	X3 (Pin 4,5)
DO3	Vifte start/stopp-intern	Digital	X4 (Pin 1,2) X:43, G0*
DO4	Ute spjeld	Digital	X4 (Pin 4,5) X:8, X:35
DO5	Kjøling DX trinn1	Digital	X5 (Pin 1,2) X:16, X:17
DO6	Kjøling DX trinn2	Digital	X5 (Pin 4,5) X:18, X:19
DO7	Alarm utgang prioritert A	Digital	X6 (Pin 1,2) X:3, X:4
DO8	Alarm utgang prioritert B	Digital	X6 (Pin 4,5) X:5, X:6
Analog utgang			
AO1	Kjøling	Analog (0 - 10V)	X9 (Pin 1,3) X:20, G0
AO2	Ettervarme full range vannbatteri	Analog (0 - 10V)	X9 (Pin 2,3) X:36, G0
AO3	Puls med Modulering 0 eller 10V (ON/OFF)	Analog (0/10VDC)	X9 (Pin 4,6) X:SSR1-2 A1, G0
AO4	Rotor Veksler/spjeld	Analog (0 - 10 V)	X9 (Pin 5,6) SP1500(X:33), G0 Spjeld led.3, G0
AO5	Tilluftsvifte.	Analog (0 - 10 V)	X10 (Pin 1,3) VifteTil X:4, G0**
AO6	Avtrekksvifte.	Analog (0 - 10 V)	X10 (Pin 2,3) VifteAvtr X:4, G0**
AO7	Luftmengde indikering avtrekk	Analog (0 - 10 V)	X10 (Pin 4,6)
AO8	Luftmengde indikering tilluft	Analog (0 - 10 V)	X10 (Pin 5,6)
Binary inngang			
DI1	Plateveksler: Termostat (el.batteri) Rotor: Rotor alarm	Digital	X7 (Pin 1,2) Termostat F20 SP1500X:42,SP1500X:43
DI2	Alarm ekstern brann/røyk	Digital	X7 (Pin 3,4) X:1, X:2
DI3	Alarm vifte tilluft/avtrekk	Digital	X8 (Pin1,2) VifteAvtrX:NO,VifteTilX:NO***
DI4	Ekstern start/stopp	Digital	X8 (Pin 3,4)
Universal inngang			
UI1	Avtrekk/rom temperatur	Passive (Ni 1000)	X11 (Pin 1,2) X:12, X:13
UI2	Tilluftstemperature	Passive (Ni 1000)	X11 (Pin 3,4) X:10, X:11
UI3	Utetemperature	Passive (Ni 1000)	X11 (Pin 5,6) X14, X:15
UI4	Ekstern sensor Avtrekk (trykk eller CO2)	Analog (0 - 10 V)	X11 (Pin 7,8) X:26, G0
UI5	Ekstern sensor Tilluft (trykk eller CO2)	Analog (0 - 10 V)	X11 (Pin 9,10) X:28, G0
UI6	Plateveksler: Frost/is sensor Rotor: Termostat el.batteri	Analog	X11(Pin11,12) Termovakt Termostat F20
UI7	Tom		X11(Pin13,14)
UI8	Filtervakt tilluft	Analog (0 – 10 V)	X12(Pin 1,2) Filtervakt P1, G0
UI9	Filtervakt avtrekk	Analog (0 – 10 V)	X12(Pin 3,4) Filtervakt P2, G0
UI10	Intern sensor Tilluft (trykk/luftmengde)	Analog (0 – 10 V)	X12(Pin 5,6) Sensor P11, G0
UI11	Intern sensor Avtrekk (trykk/luftmengde)	Analog (0 – 10 V)	X12(Pin 7,8) Sensor P12, G0
UI12	Forsert drift	Digital	X12(Pin 9,10) X:22, X:23
UI13	Forlenget drift	Digital	X12(Pin11,12) X:24, X:25
UI14	Termostat el.batteri Frost/is sensor vannbatteri	Digital Passive (Ni 1000)	X12(Pin13,14) Thermostat F10 Temperatur sensor B5

* Ikke I bruk ved ekstern frekvensomformer (L50)

** Med ekstern frekvensomformer (L50) : X:10(Pin1,3) Tillufts-omformer AI2, G0
X:10(Pin2,3) Avtrekks-omformer AI2, G0

*** With external converter (L50): X8(Pin1,2) Avtrekks-omformer R1C, Tillufts-omformer R1C

Ark.nr:	2/6 - Norsk
Teg.nr:	342077
Art.nr:	93512
Dato:	10.03.04
Versjon:	1.1



Farge kode interne ledninger
 Colour code - Internal wiring

L1 1~ (N)	230V	Blå (lys)	Blue (light)	BU	
L2 1~	230V	Svart	Black	BK	
24V AC (G)	Led 1 +	Rød	Red	RD	
Zero (0-point) G0	Led 2 -	Hvit	White	WH	
24V DC	Led 1 +	Blå (mørk)	Blue (dark)	BU	
Zero (0-point) G0	Led 2 -	Hvit	White	WH	
0-10V DC		Grå	Grey	GY	
Pot.free signal		Grå	Grey	GY	
G0 (0-point) from	trafo 24V -				