

TH!NK CITY KOBLINGSSKJEMA

00. SIKRING OG RELE KART
01. SIKRINGER (BAT +30)
02. TENNBRYTER - SIKRINGER +15,50
03. VARMEAPP.TIDSRELE OG 114V
04. BATTERI KONTAKTBOKS BMS - BCM
05. 114V BATTERI - MOTORSTYRINGSBOKS
06. STARTSPERRE - STRØMKUTT
07. INSTRUMENT - MOTORSTYRING
08. GIRLÅS MOTOR
09. MOTORPOSISJONS SENSOR - KOBLINGSBOKS
10. RELE STARTSPERRE - MOTORSTYRING
11. GASSPEDAL - GIRLÅSBRYTERE
12. 220V RELE - MOTORSTYRING
13. REGENERERINGS BRYTER
14. GIRBRYTERE - MOTORSTYRING
15. DC-DC OMFORMER
16. BATTERI KONT.BOKS 114V MED DIVERSE
17. VANN PUMPE - RADIATOR VIFTER
18. STARTSPERRE - STRØMKUTT
19. MOTORSTYRINGSBOKS
20. GIRLÅS MOTOR
21. MOTORPOSISJONS SENSOR - KOBLINGSBOKS
22. RELE STARTSPERRE - MOTORSTYRING
23. GIRLÅSBRYTERE
24. 220V RELE - MOTORSTYRING
25. REGENERERINGS BRYTER
26. GIRBRYTERE - MOTORSTYRING
27. DC-DC OMFORMER
28. BATTERI KONT.BOKS 114V MED DIVERSE
29. VANN PUMPE - RADIATOR VIFTER
30. LADER - 10/16A LADE BRYTER
31. HV BOKS - 220V KOBLINGSBOKS
32. PARKLYS - BAKLYS
33. LYSBRYTER - HOVEDLYS - KJØRELYS
34. RYGGELYS - TÅKEBAKLYS
35. BREMSELYS
36. HORN - INNVENDIG LYS - SIGARETT TENNER
37. BLINK - VARSELBLINK
38. VINDUSVISKER - SPYLER
39. ALARM - BAKLUKE RELE/BRYTER
40. DIAGNOSE KONTAKT
41. SPEEDOMETER
42. SPEEDOMETER - VARSLING
43. RADIO - HØYTALERE
44. VARMETRÅDER - VACUM PUMPE
45. BAKLUKE ÅPNING RELE, BRYTER, SOLENOID
46. VARMEAPPARAT - RECIRKULASJON
47. DIESELAPPARAT (IKKE I BRUK)
48. AIR BAG KONTROLL BOKS

1A ("DIRTY" FORWARD OF BULKHEAD)

GEAR LOCK RELAY COMMON
 A LH REPEATER
 LH FRONT DIRECTION INDICATOR
 RH REPEATER
 RH FRONT DIRECTION INDICATOR
 LH SIDE LAMP
 LH HEADLAMP
 RH SIDE LAMP
 RH HEADLAMP
 RADIATOR FANS
 BRAKE BOOSTER PUMP
 COOLANT PUMP

3 ("CLEAN" PROCESSOR GROUND
 ALARM MODULE
 CLUSTER
 TRACTION INVERTER MODULE
 BATTERY CONTROL MODULE
 AIRBAG MODULE

B

1B (DIRTY DASH/COW)

DRL RELAY COIL
 DIRECTION INDICATOR RELAY
 HEATED WINDOW RELAY OIL
 WASH PUMP } CAN THESE BE
 WIPER MOTOR } TYPE 1A?
 TAILGATE RELEASE SWITCH
 RECIRCULATION SWITCH
 HEATED WINDOW SWITCH
 HAZARD SWITCH
 COMBUSTION HEATER SWITCH
 HORN SWITCH
 BLOWER MOTOR & RELAY COIL
 HEATED SCREEN
 RECIRCULATION MOTOR
 ILLUMINATION RETURN
 POWER POINT
 DOME LAMP
 WIPER TIMER RELAY
 COMBUSTION HEATER
 HAZARD RELAY COIL

2 (LOGIC GROUNDS)
 A GEAR SWITCH (SEE GEAR LOCK DWG)
 A BRAKE FLUID SWITCH
 B GEAR SHIFT SWITCH
 B REGEN DISABLE SWITCH
 B J1962 DIAGNOSTIC CONNECTOR
 B DRIVER INFO (S1, S2) SWITCHES
 A² 220V RELAY CONTACT
 A GEAR LOCK POSITION SWITCH
 A TIM EXT. RELEASE
 B INERTIA SWITCH (TIM EMERGENCY STOP)
 B THROTTLE PEDAL
 A DC-DC SIGNAL GROUND

C
 No. Locn. Description of change
 DCD No. Rev. No. Date Sign

THIS DOCUMENT AND ALL THE INFORMATION CONTAINED HEREIN ARE THE CONFIDENTIAL AND EXCLUSIVE PROPERTY OF THINK, AND MAY NOT BE REPRODUCED, USED, DISCLOSED OR MADE PUBLIC IN ANY MANNER PRIOR TO EXPRESS WRITTEN AUTHORIZATION BY THINK. THIS DOCUMENT IS LOANED PURSUANT TO AGREEMENT TO THE FOREGOING, AND MUST BE RETURNED TO THINK UPON DEMAND.

MANUFACTURER AGREES THAT ARTICLES MADE IN ACCORDANCE WITH THIS DOCUMENT SHALL BE CONSIDERED THINK'S DESIGN, AND THAT IDENTICAL ARTICLES OR PARTS THEREOF SHALL NOT BE MANUFACTURED FOR THE USE OR SALE BY MANUFACTURER OR ANY OTHER PERSON OR ENTITY WITHOUT PRIOR EXPRESS WRITTEN AUTHORIZATION BY THINK.

semcon [®]

Drawn by: SH Approved: _____ Scale: 1:1 Format: A3 Cent. tolerance: _____ Weight: _____
 Date: 991021 Date: _____ CAD location: \105 Rev. no: 0
 Description: Replacement for: Replaced by: _____
 Drawing no: 05125-01-105
 Material: _____ Part no: _____

TH!NK

Part no: _____
 Drawing no: 05125-01-105
 Material: _____ Part no: _____

2

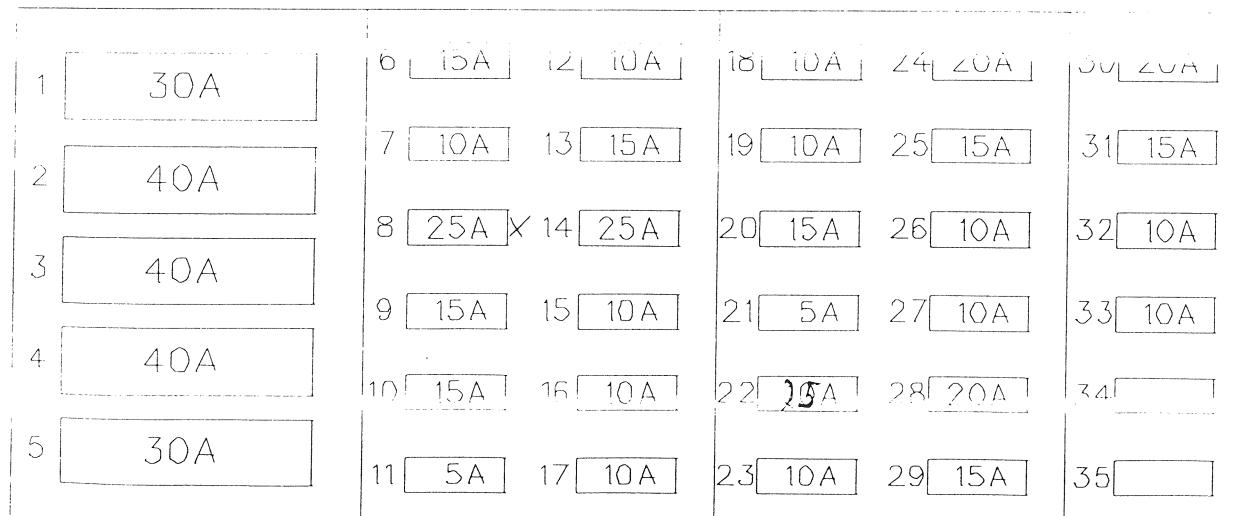
3

4

SIKRINGS SKJEMA

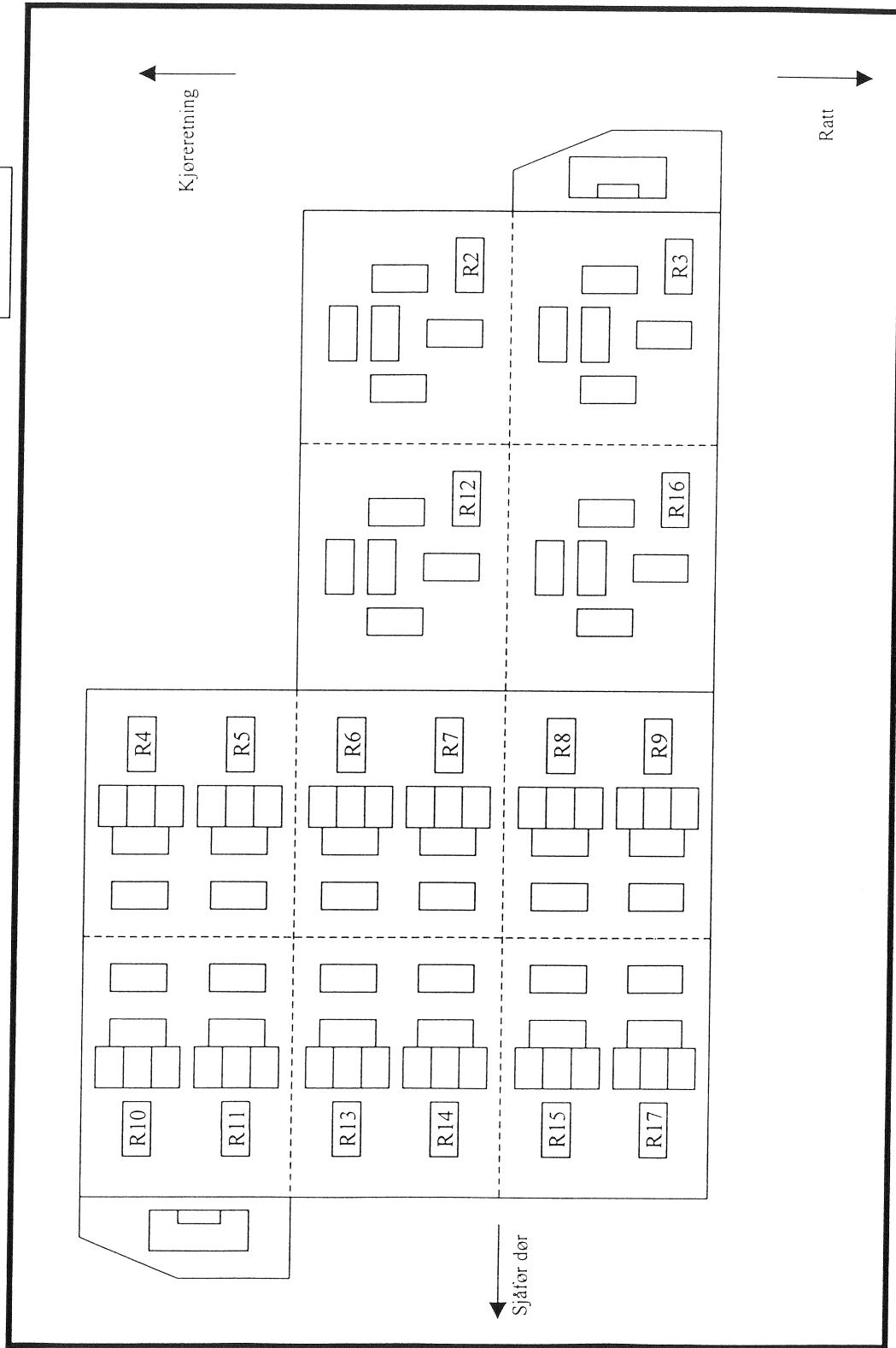
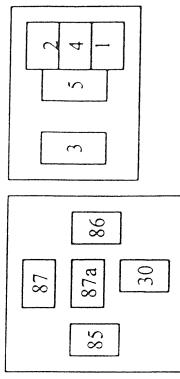
Sikr	A	Funksjon	Sikr	A	Funksjon
1	30	Oppvarmede ruter	17	10	Kollisjonspute
2	40	Strøm til lysbryter Fjærlys Nærlys Lyshorn	18	10	Alarm enhet Timer (Instrument) Tenning ¹⁾ (startsperre)
3	40	Ekstravarmer (Webasto)	19	10	Bakgrunns belysning
4	40	Til tenningslås	20	15	Bremseleys
5	30	Ventilasjonsvifte (varmeapparat)	21	5	Tåkelys bak
6	15	Kjølevifte (radiator)	22	25	Vakum-pumpe (brems)
7	10	Radio	23	10	Skiltlys
8	25	Strøm uttak (sigarettenger)	24	20	Blinklys Kjørelys
9	15	Horn Forvarmer (timer) Bakluke åpner Kupe lys	25	15	Fjærlys
10	15	Vannpumpe (ved lading)	26	10	Nærlys høyre
11	5	Start funksjon	27	10	Nærlys venstre
12	10	Bremseleys	28	20	Strømforsyning Drivsystem Lader Kontaktorboks
13	15	Park lås funksjon	29	15	Vannpumpe (ved kjøring)
14	25	Vindusvisker	30	20	Alarm enhet Diagnose-stikk
15	10	Oppvarmet vindu (fram/bak) Rygge lys Omluft			Radio Instrument
16	10	Park lys front	31	15	Varsellys
			32	10	Baklys
			33	10	Ekstra varmer (Webasto)

1) gjelder biler med startsperre



RELE LISTE

EKS!



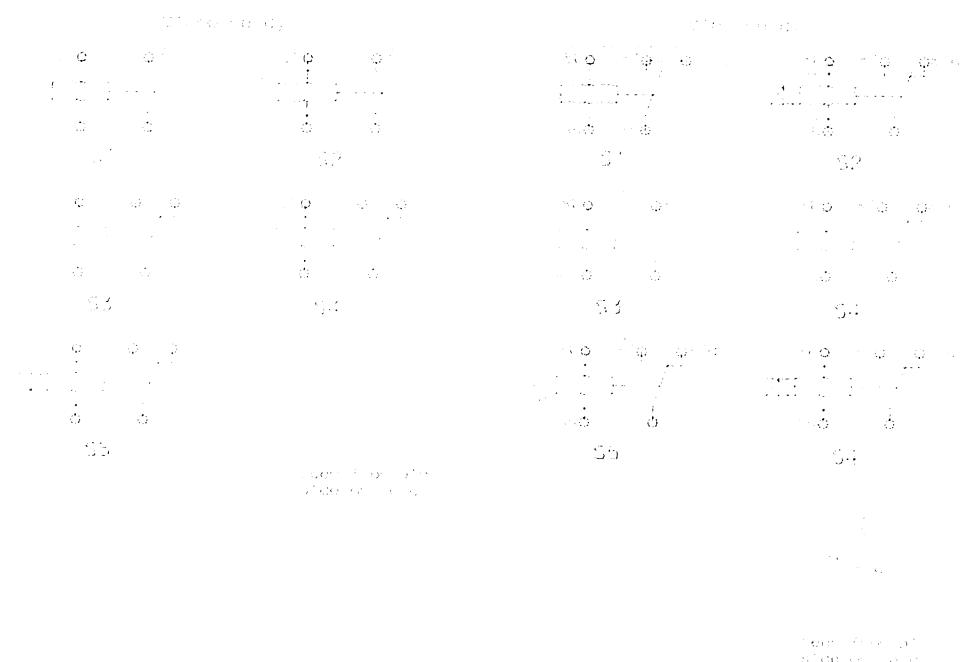


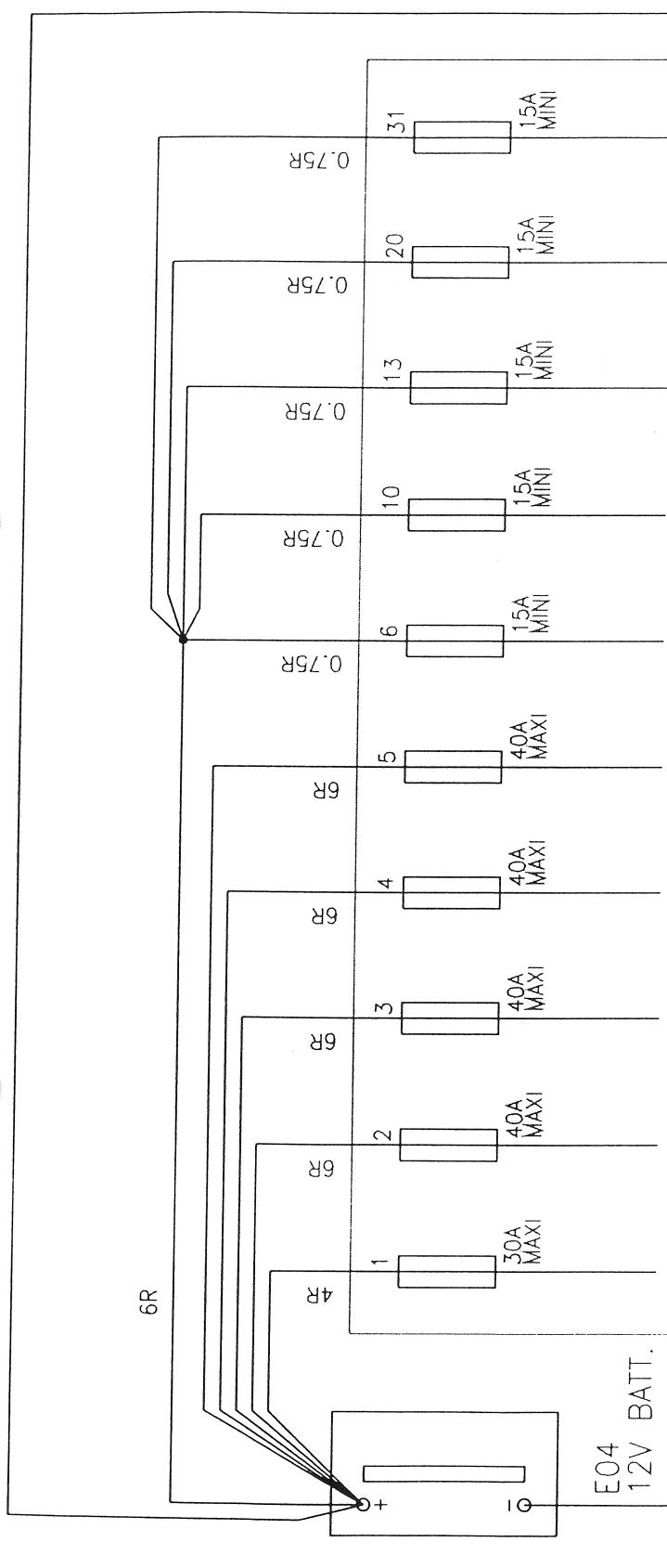
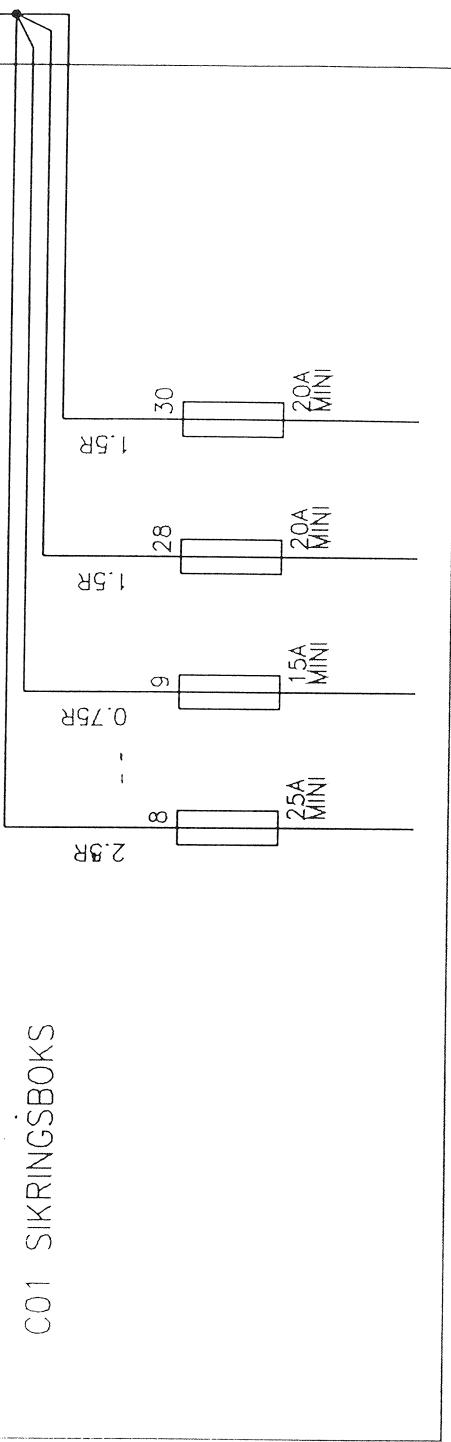
#	Function	Type
R1	Wiper	Mini Timer
R2	Heated screen	Mini
R3	Flasher	Mini Flasher
R4	Charge cooling	Micro
R5	Daylight running light	Micro
R6	Cluster timer (pre-heat)	Micro
R7	Reverse lamp	Micro
R8	Gear lock	Micro
R9	Gear lock	Micro
R10	Gear lock	Micro
R11	Radiator fans	Micro
R12	Blower motor	Mini
R13	Tailgate release	Micro
R14	Resirculation motor	Micro
R15	Resirculation motor	Micro
R16	Combustion heater	Mini
R17		
R18		

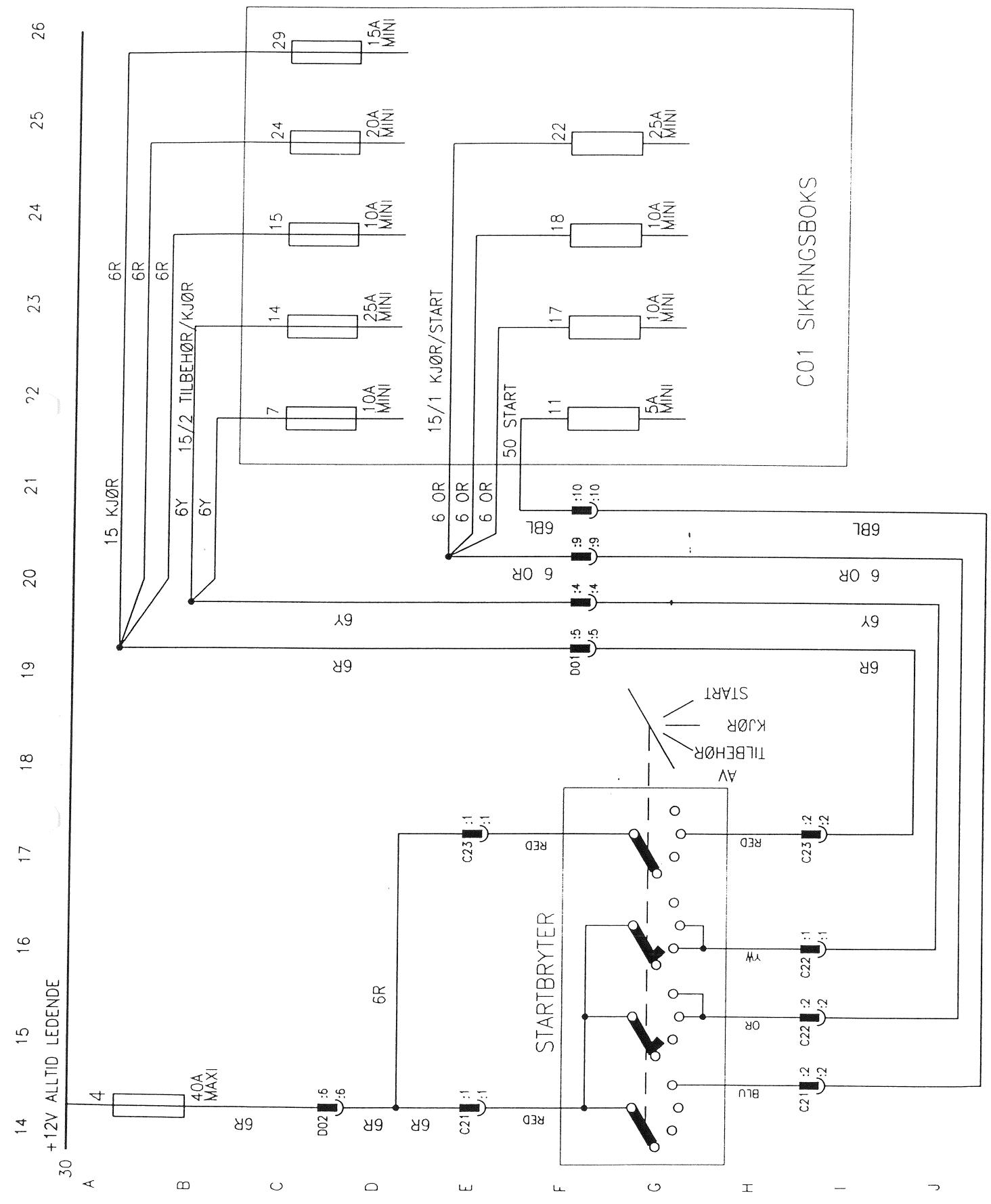
Pin configuration according to DIN Std.

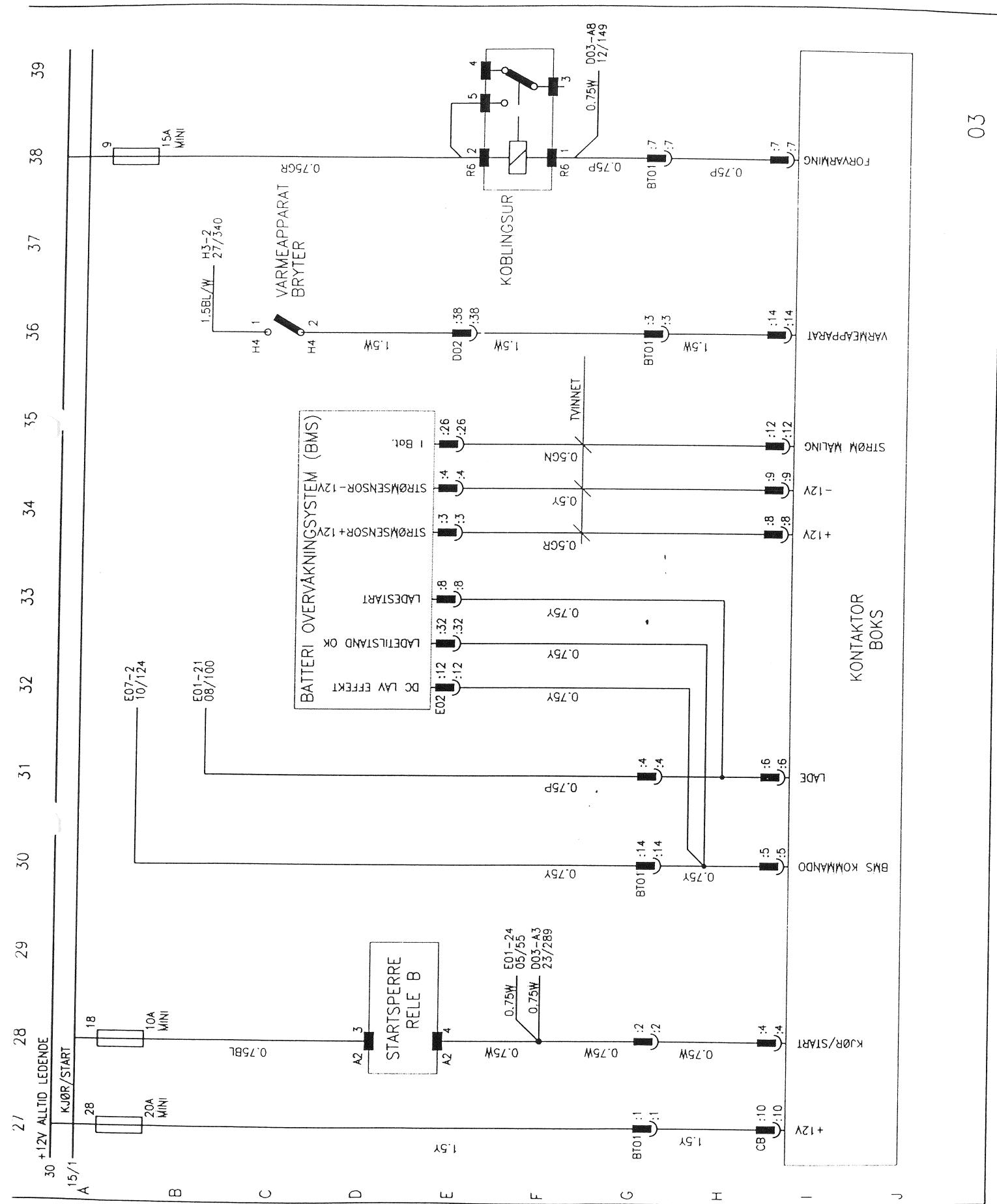
72 651 and 72 552

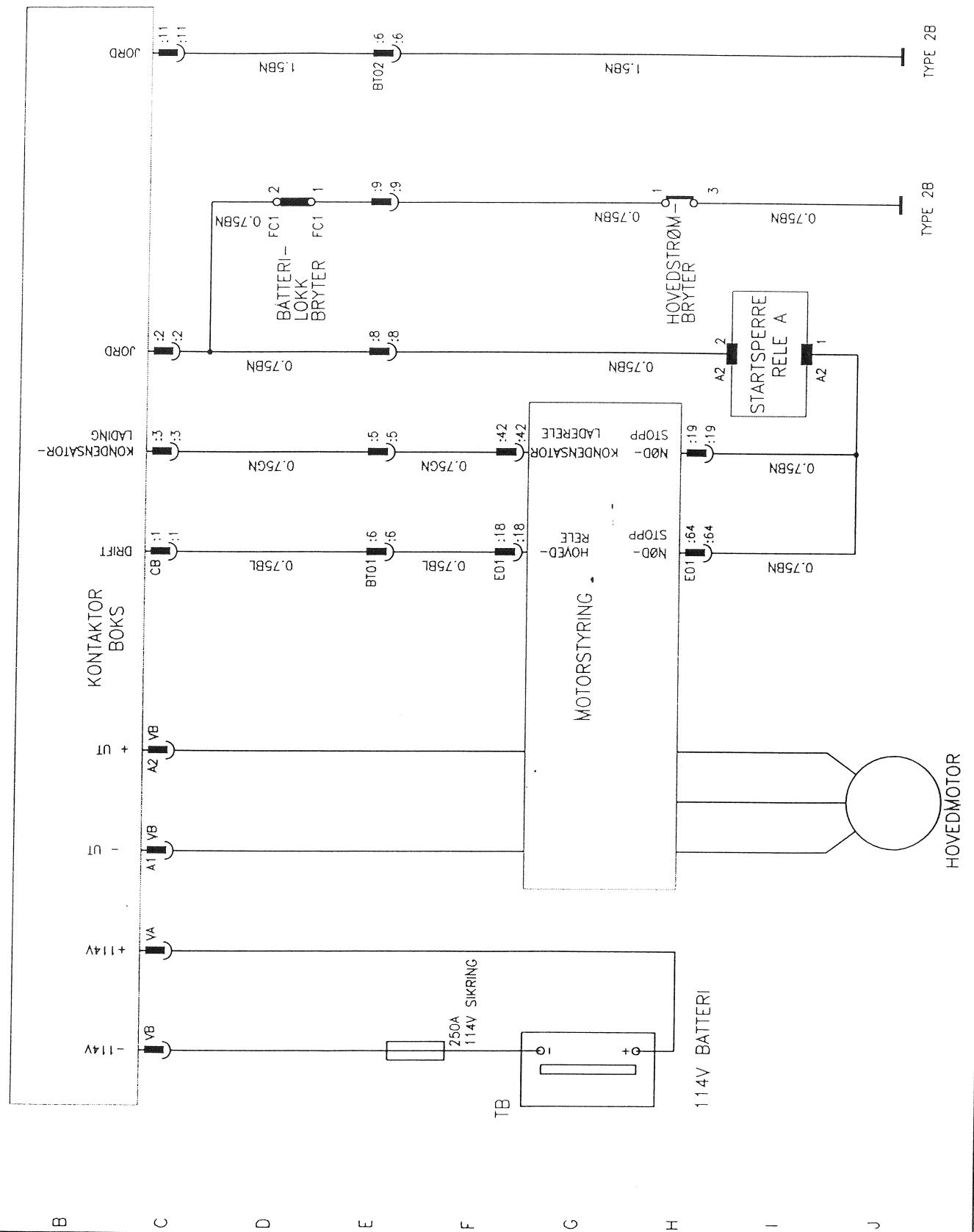
72 651	72 552	Polarity
1	86	+
2	85	-
3	30	+
4	87a	
5	87	

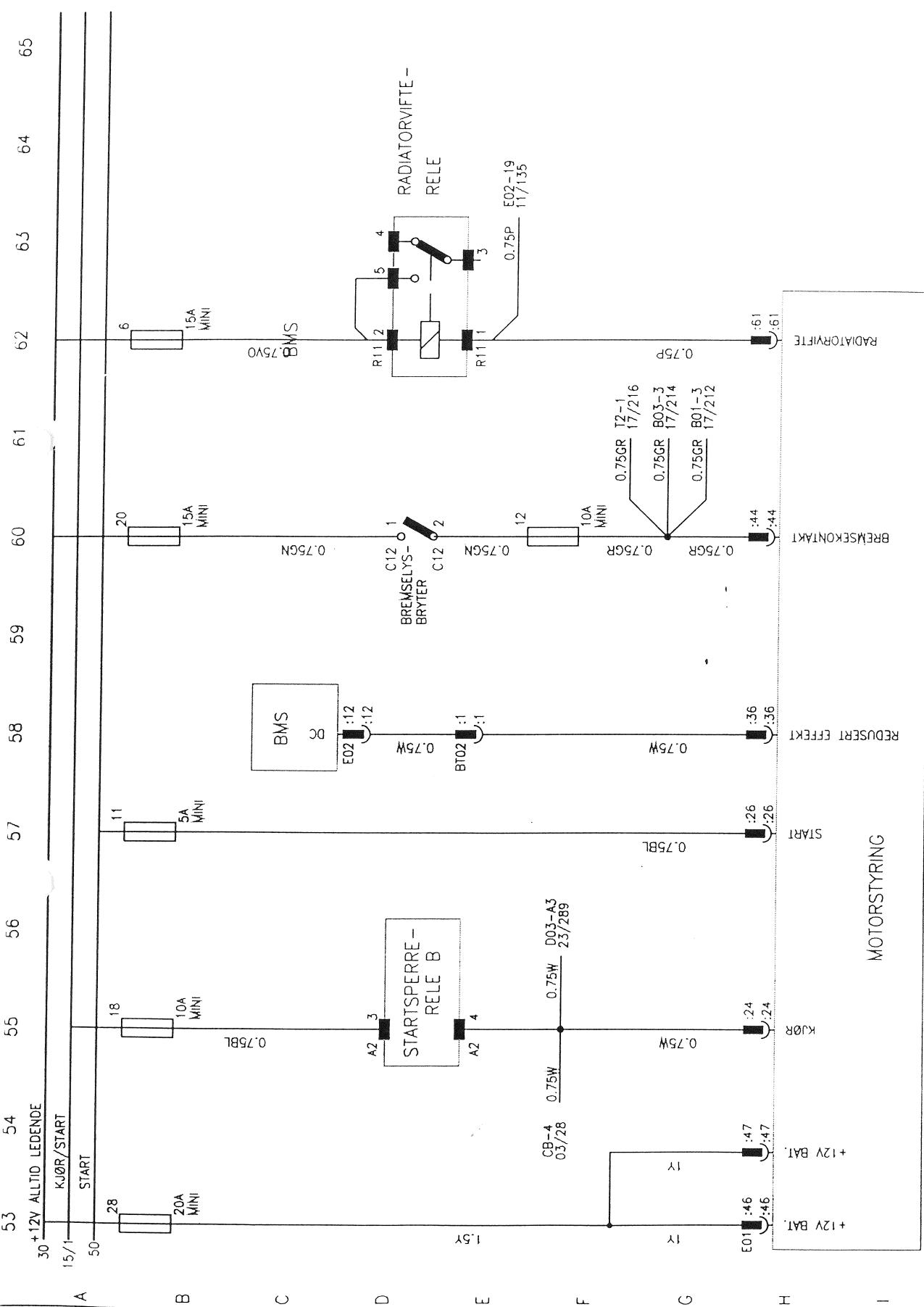


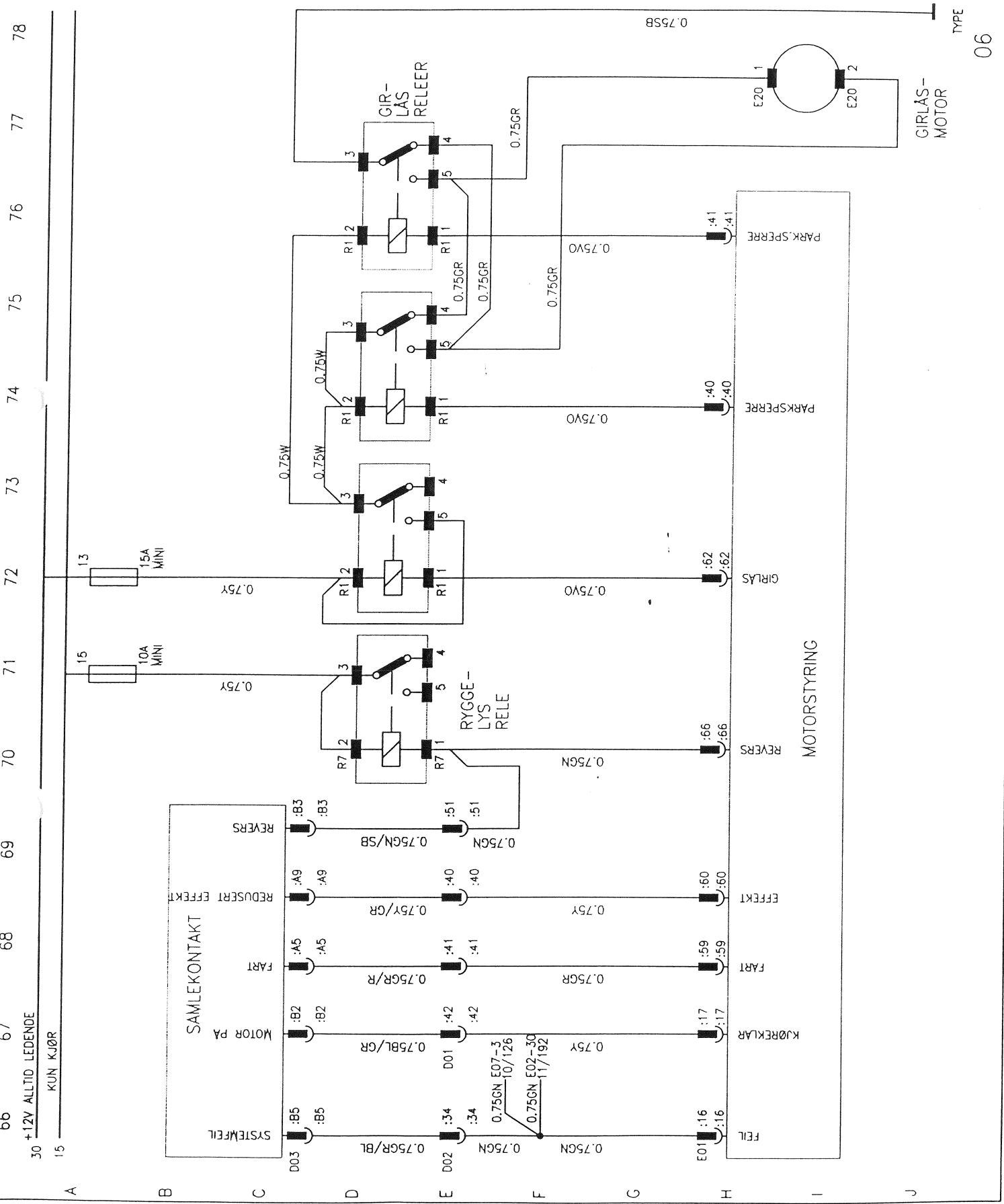




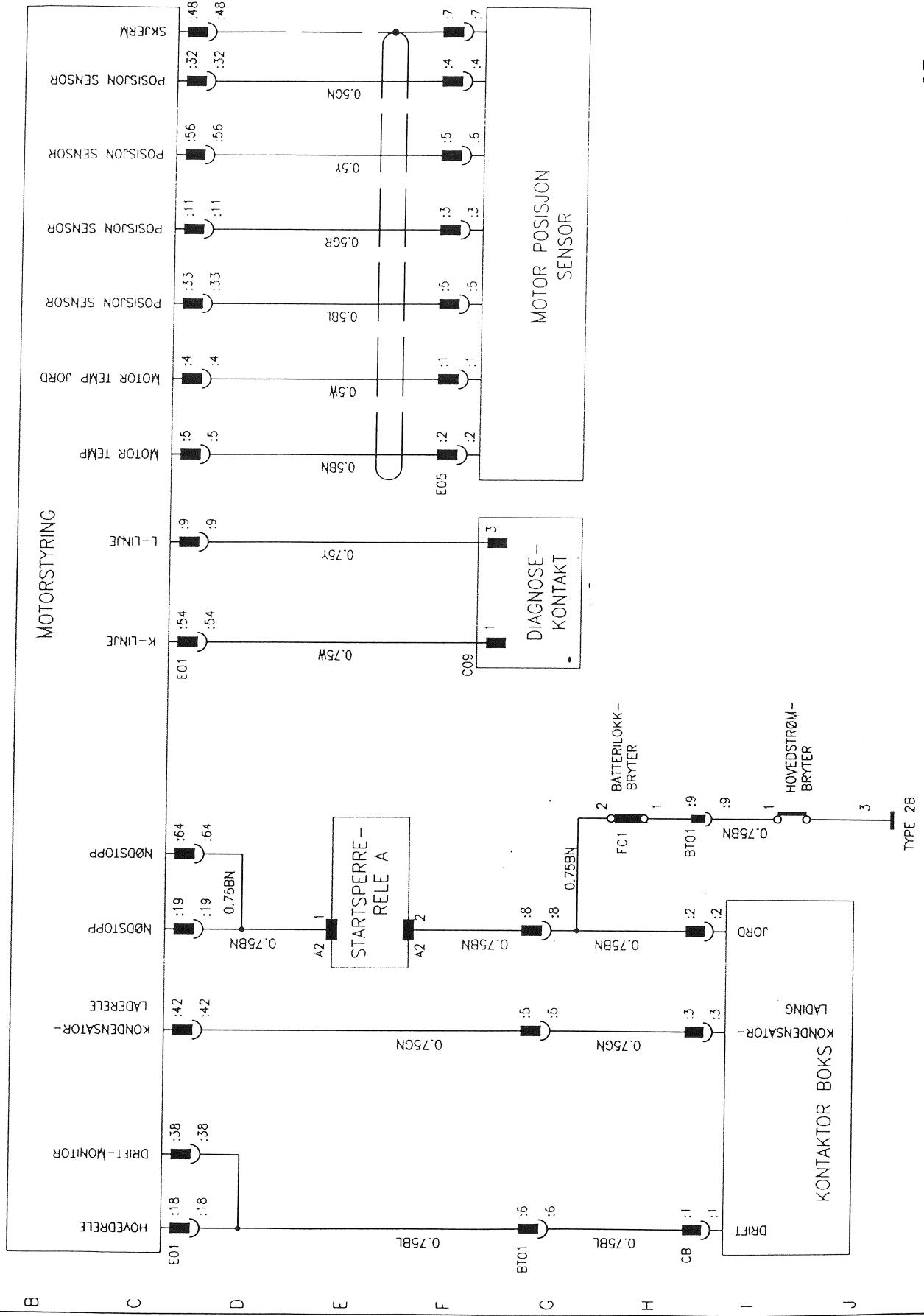




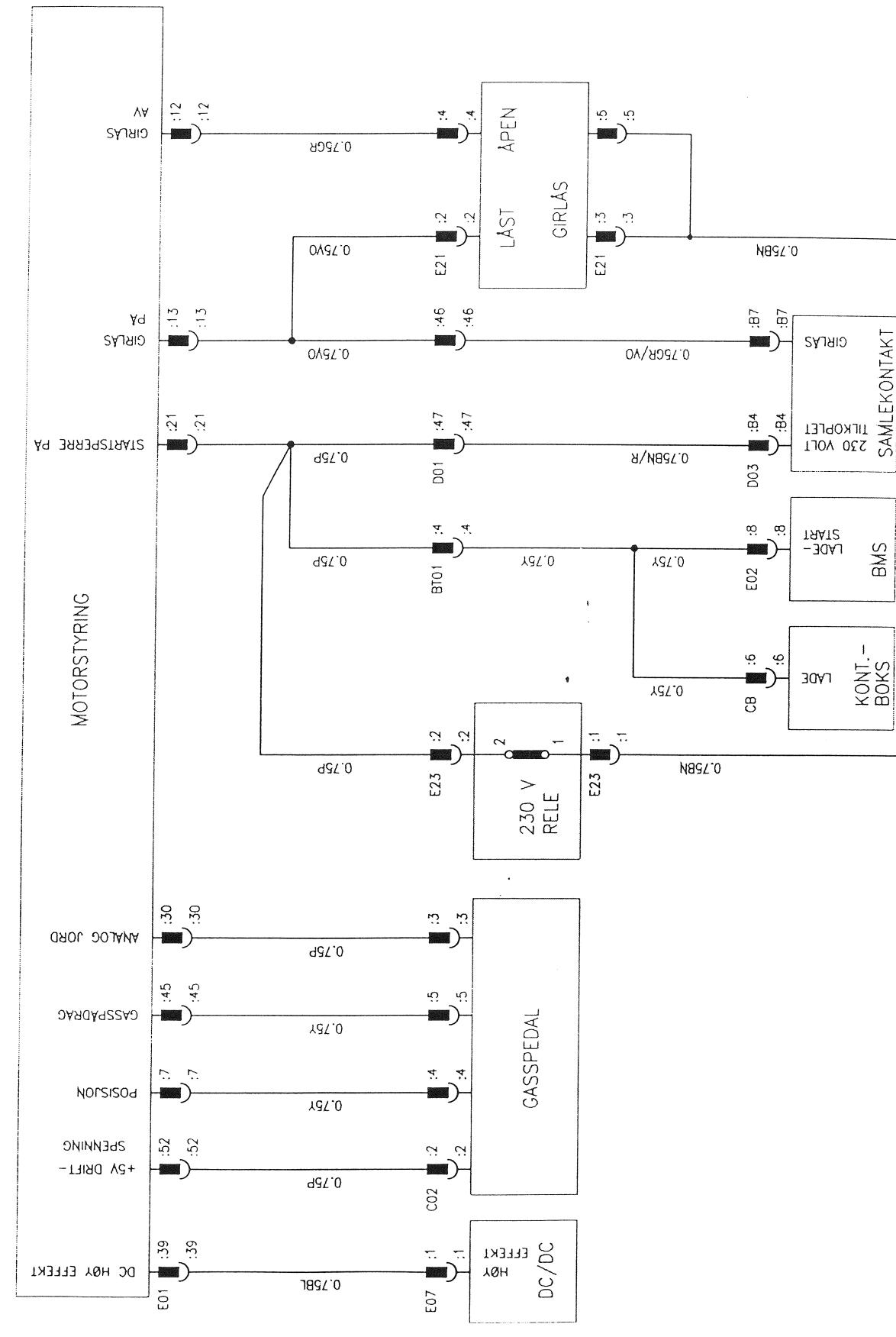




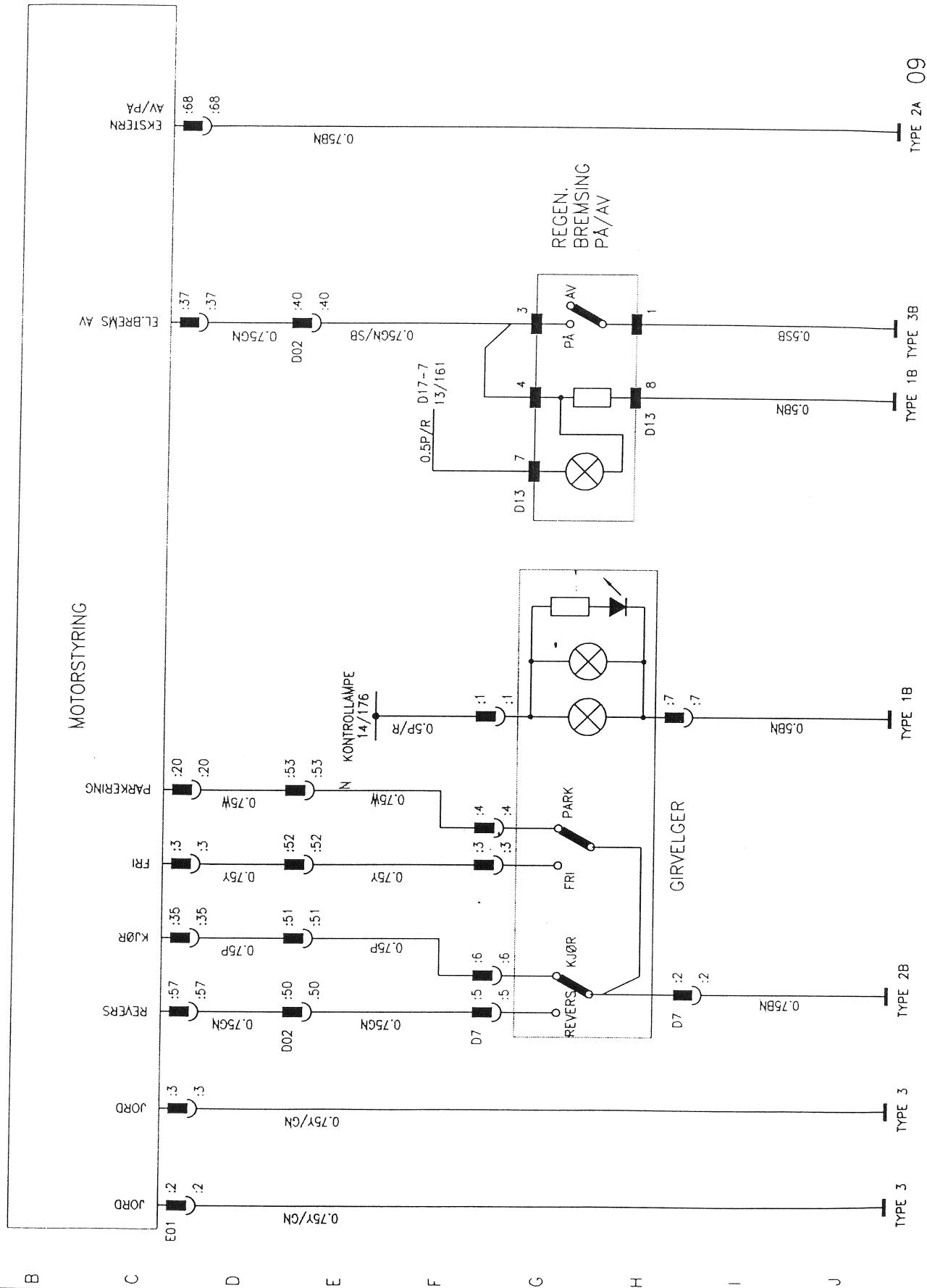
30 +12V ALLTID LEDENDE
 15 KUN KJØR
 91
 90
 88
 86
 87
 85
 83
 82
 81
 80
 79

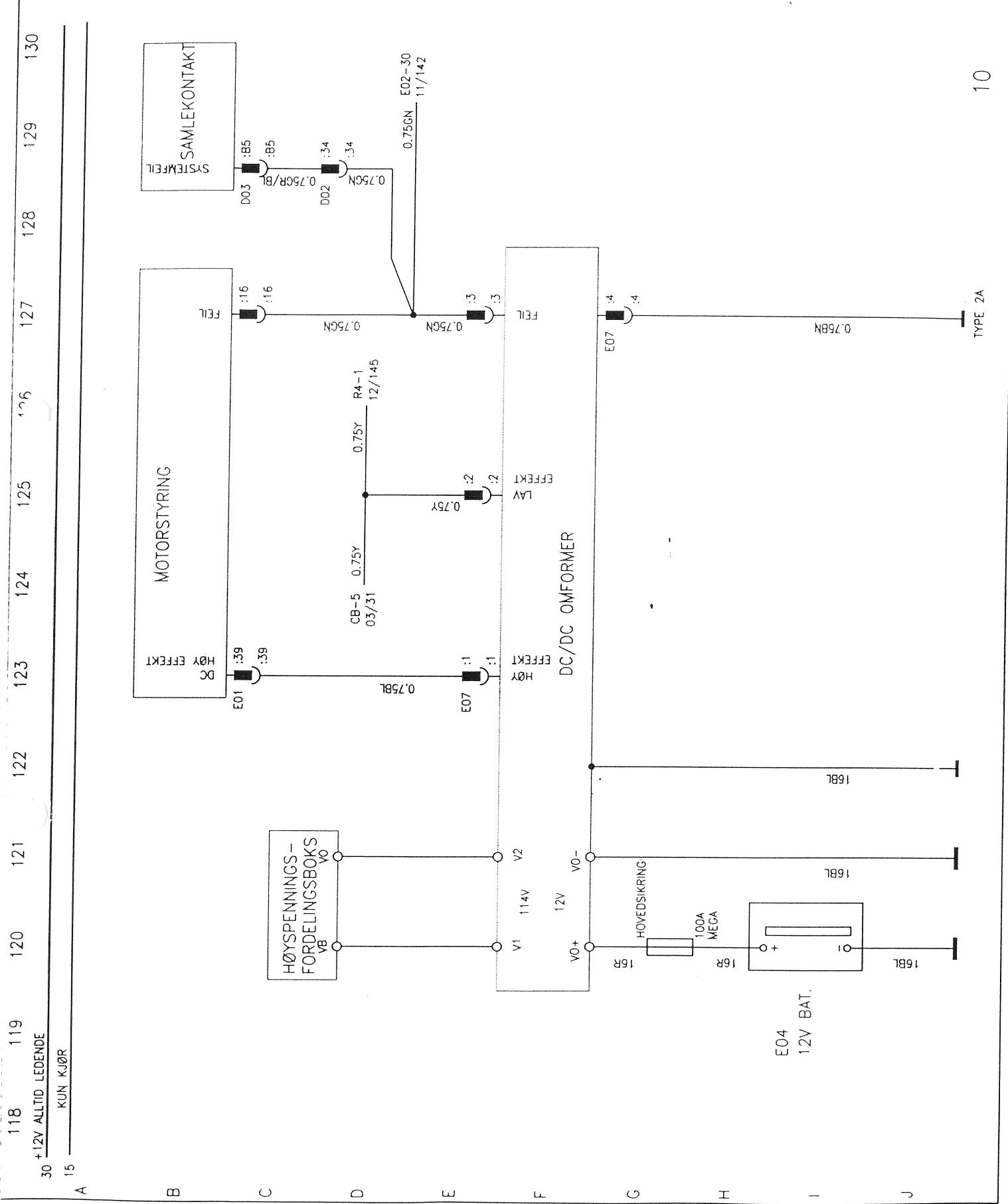


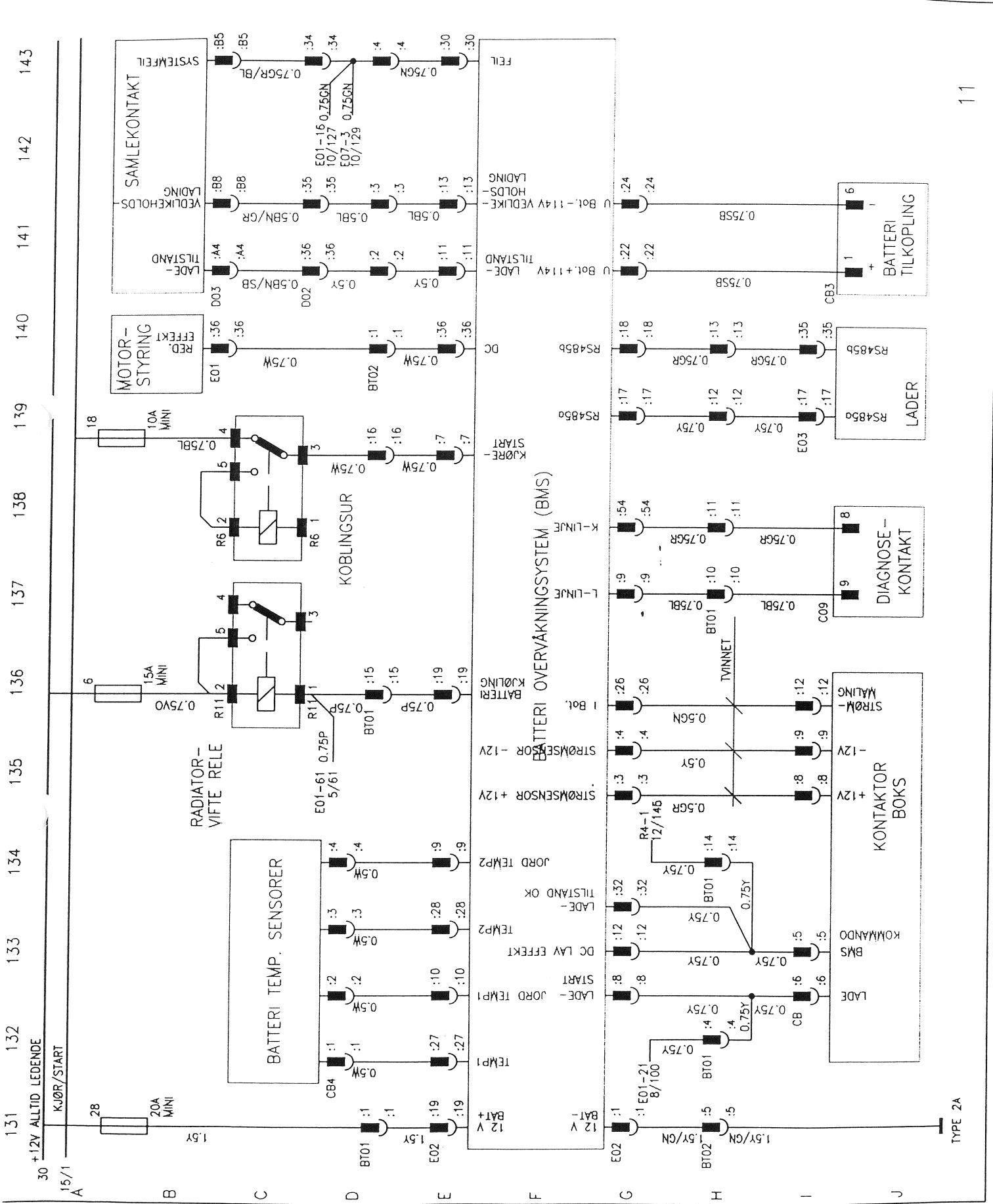
92 93 94 95 96 97 98 99 100 101 102 103 104
 30 +12V ALLTID LEDENDE
 15 KUN KJØR

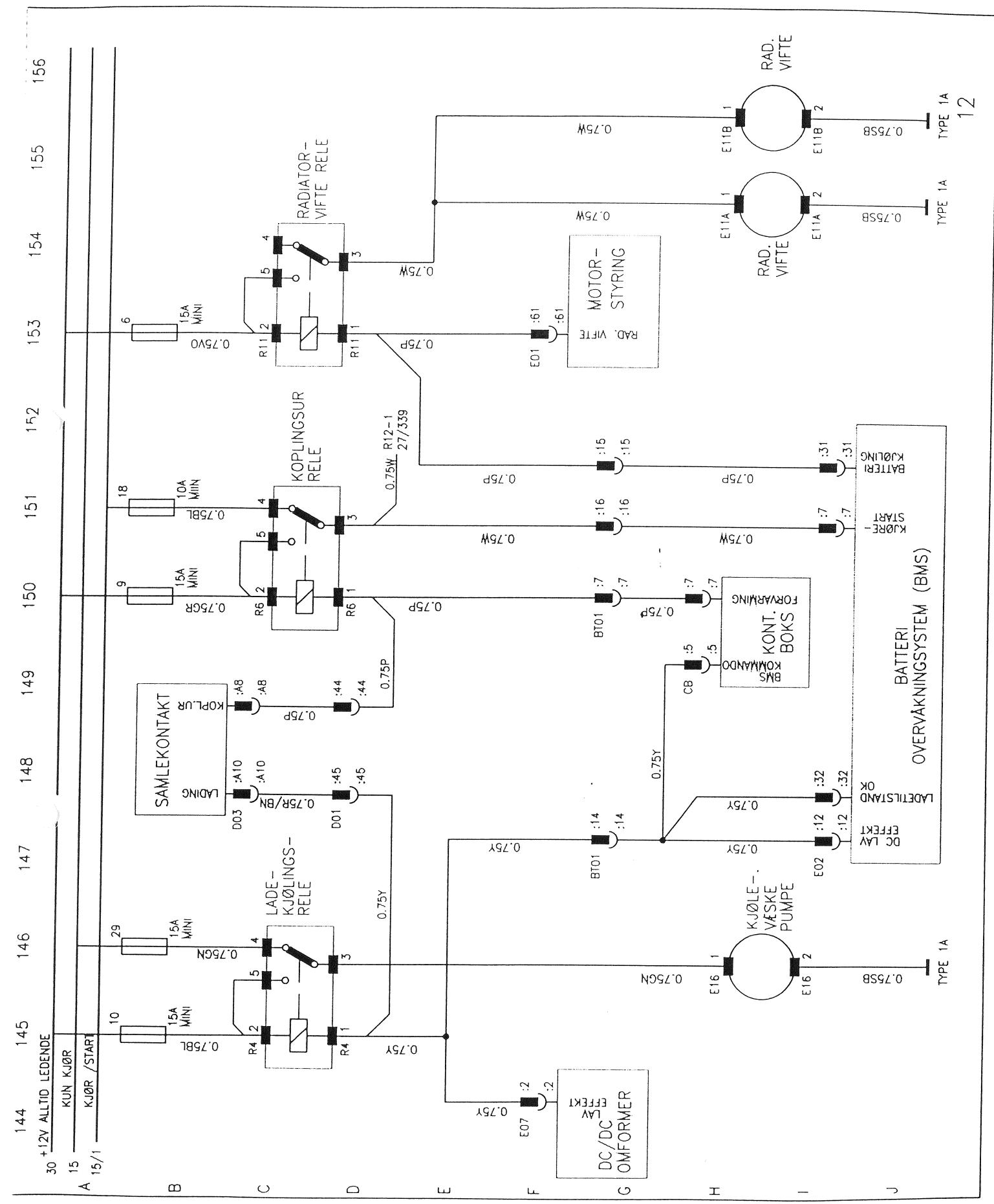


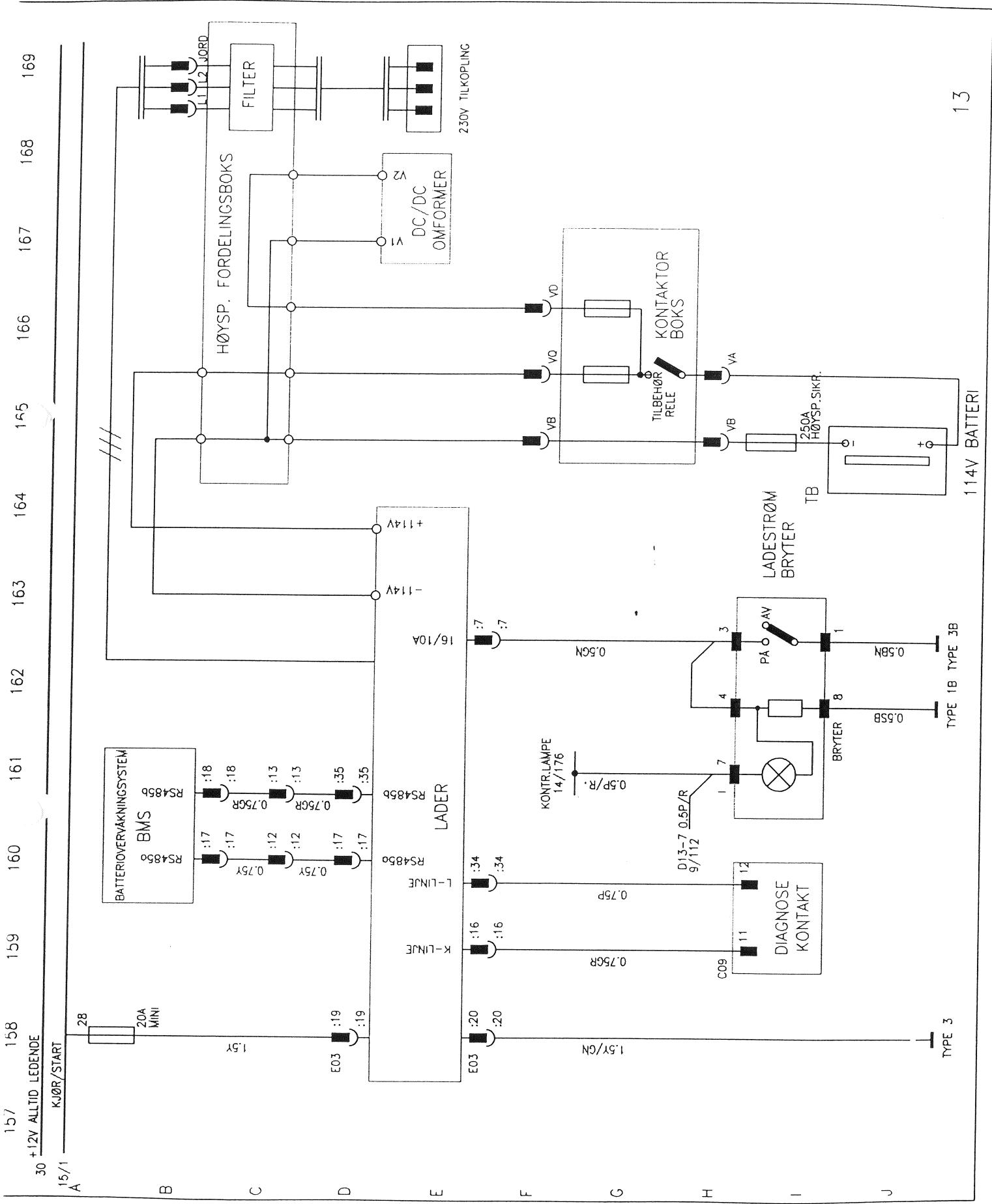
105
 106
 107
 108
 109
 110
 111
 112
 113
 114
 115
 116
 117
 30 +12V ALLTID LEDENDE
 15 KUN KØR

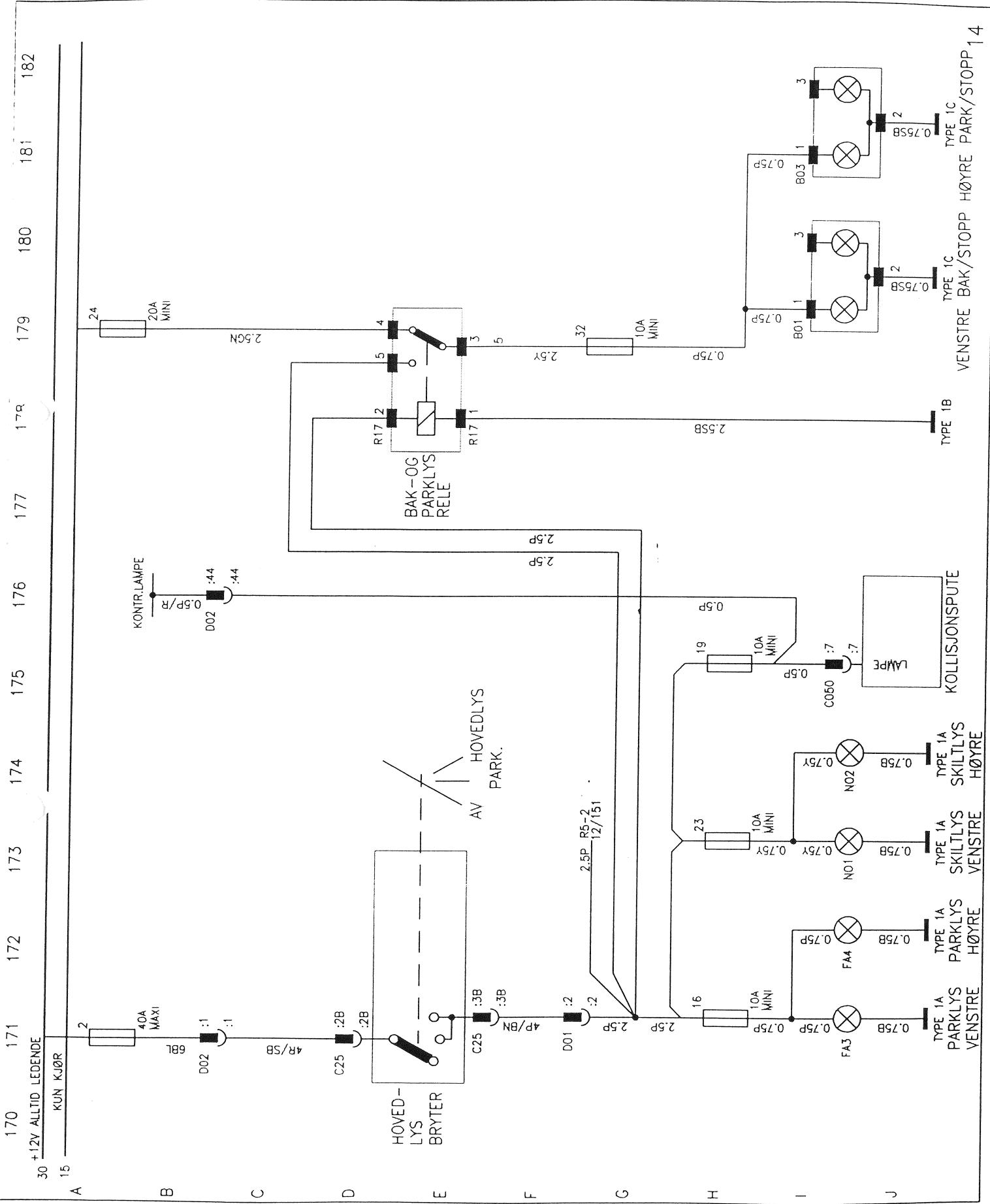


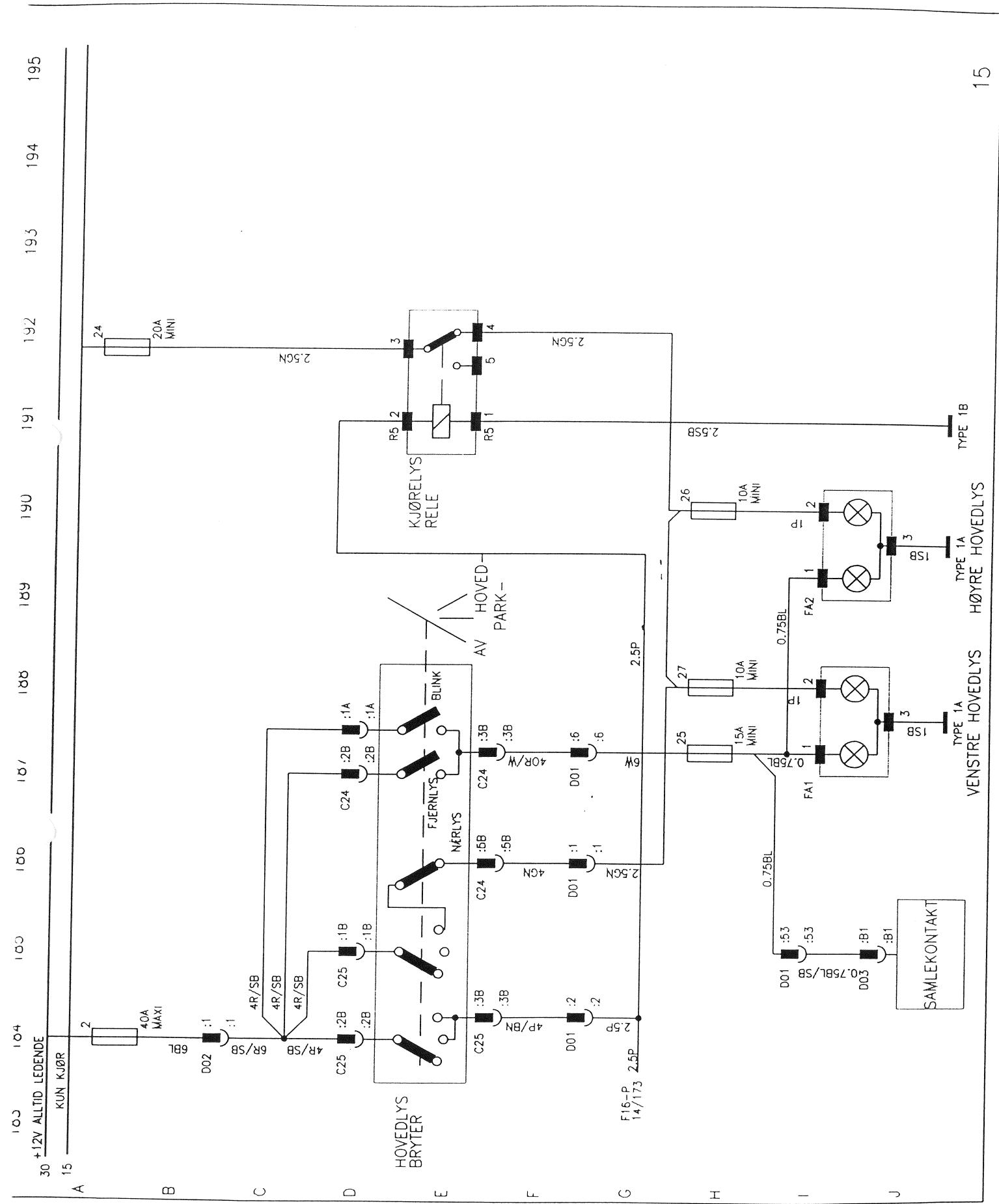


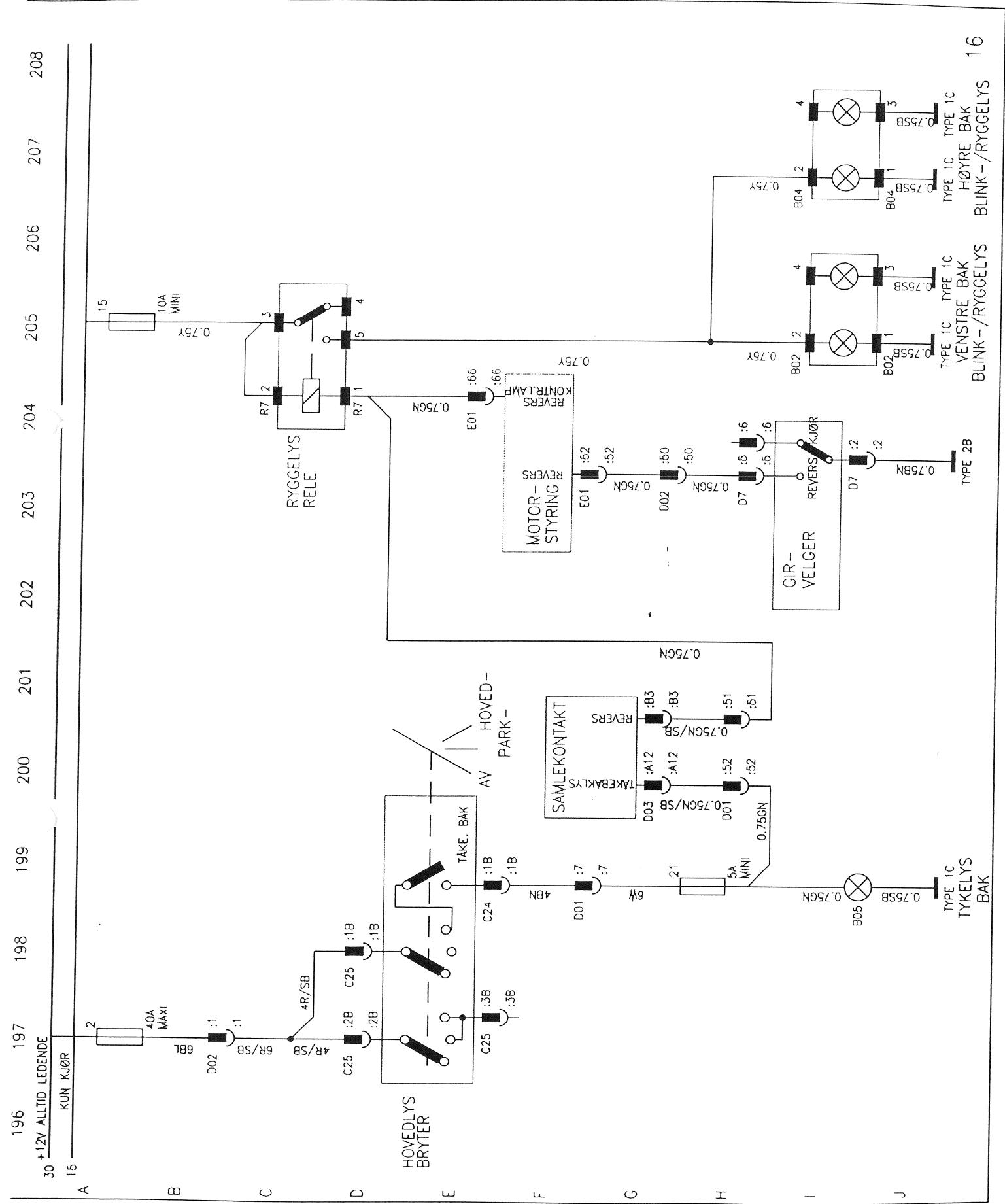


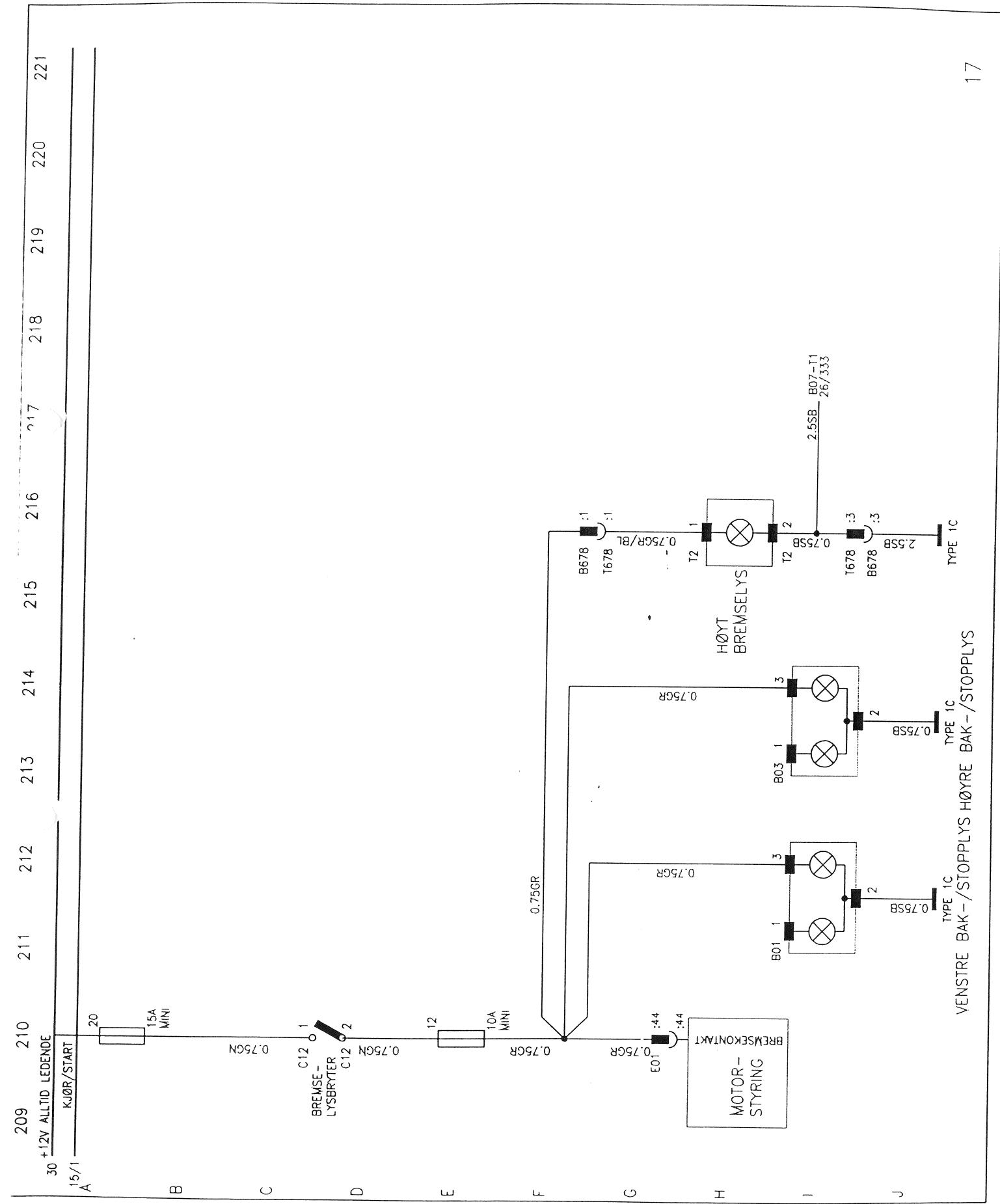


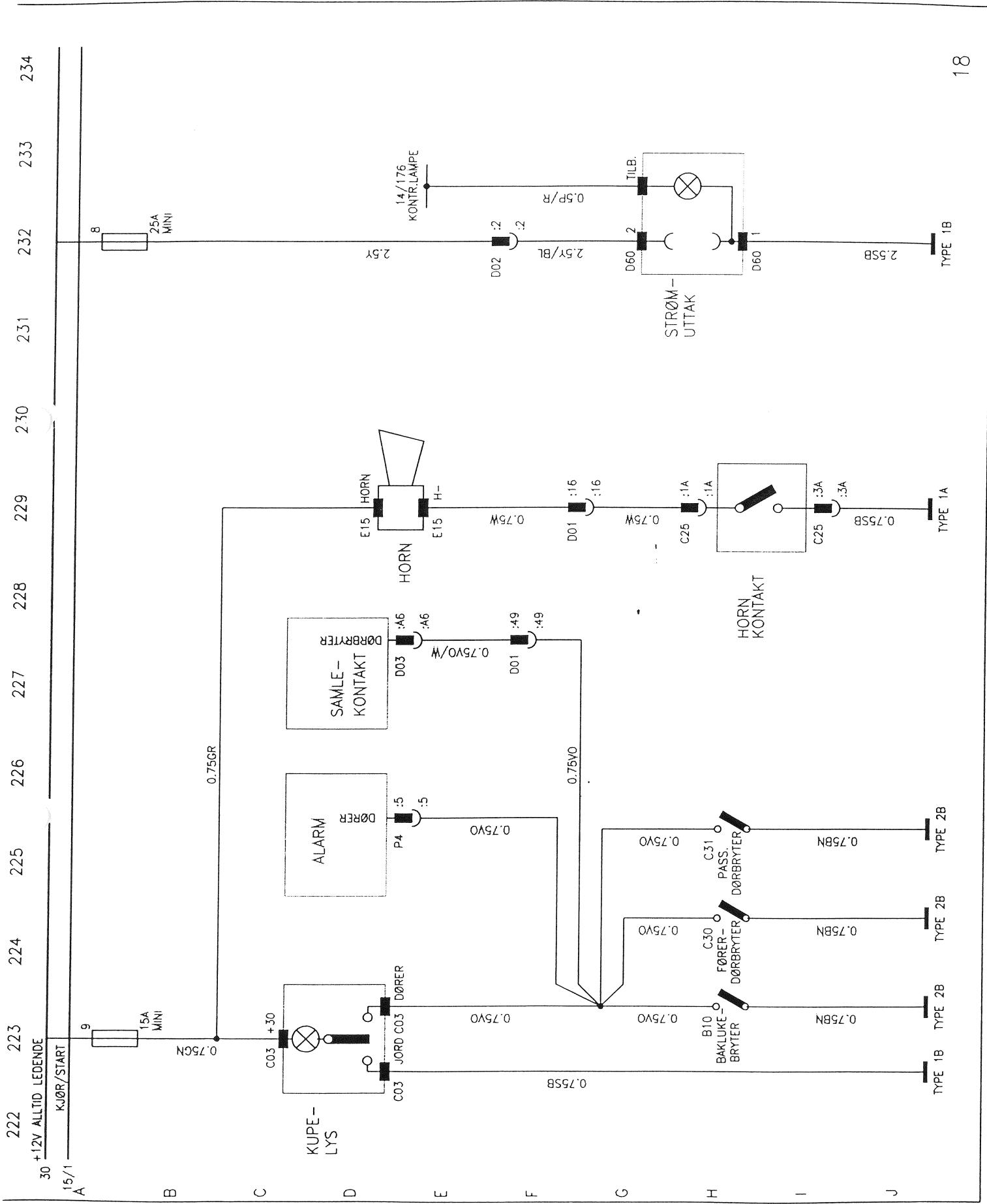


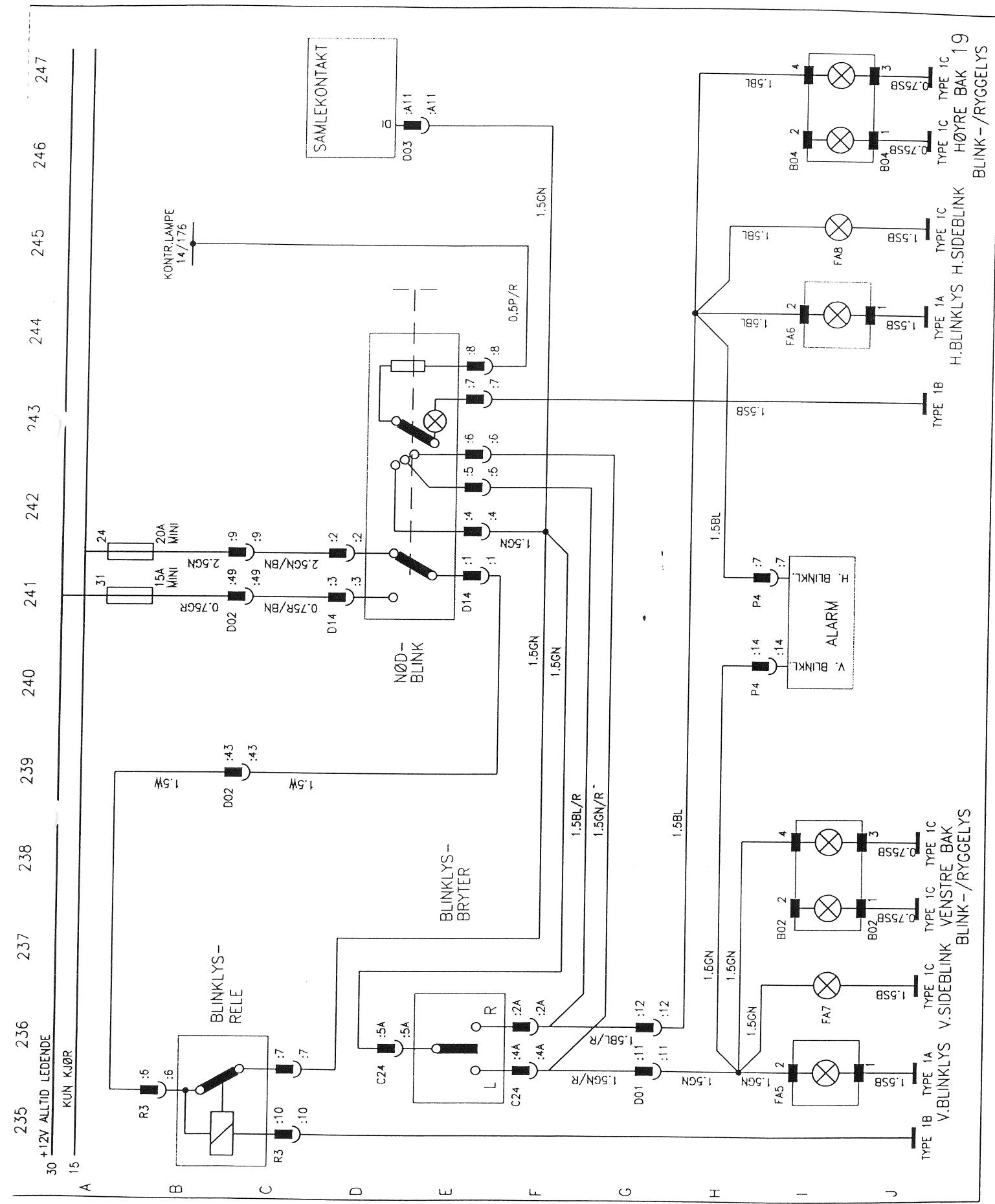




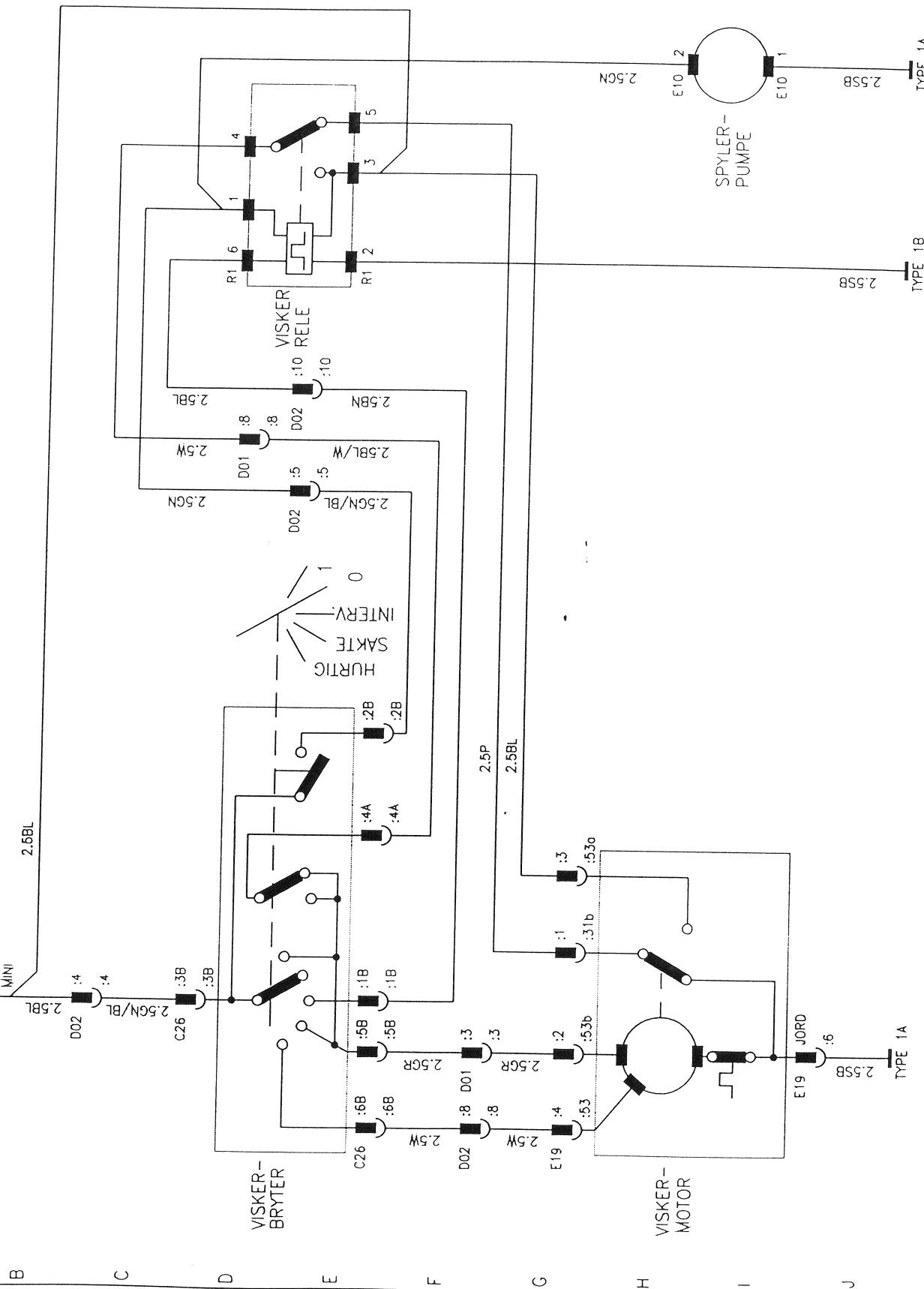


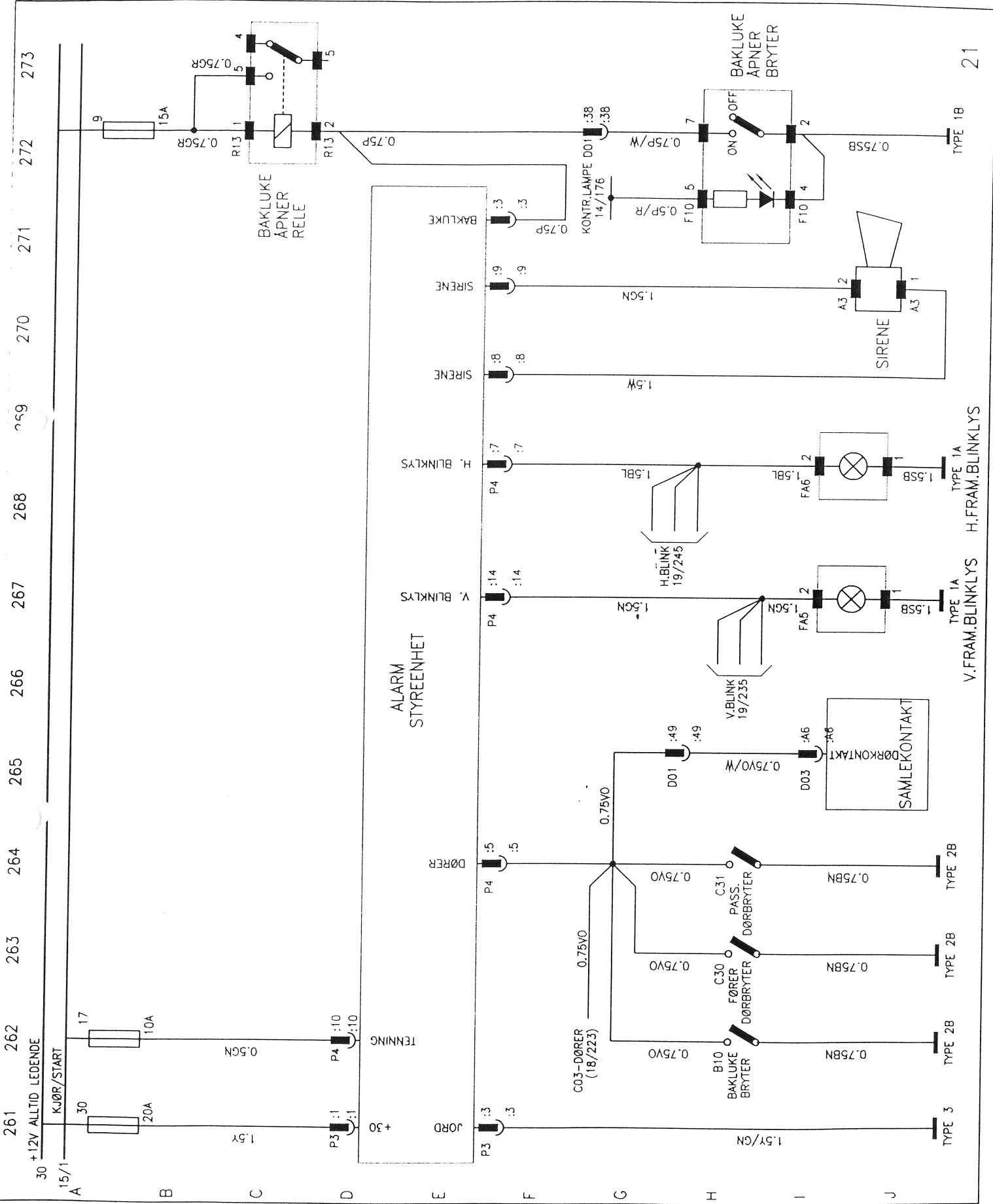


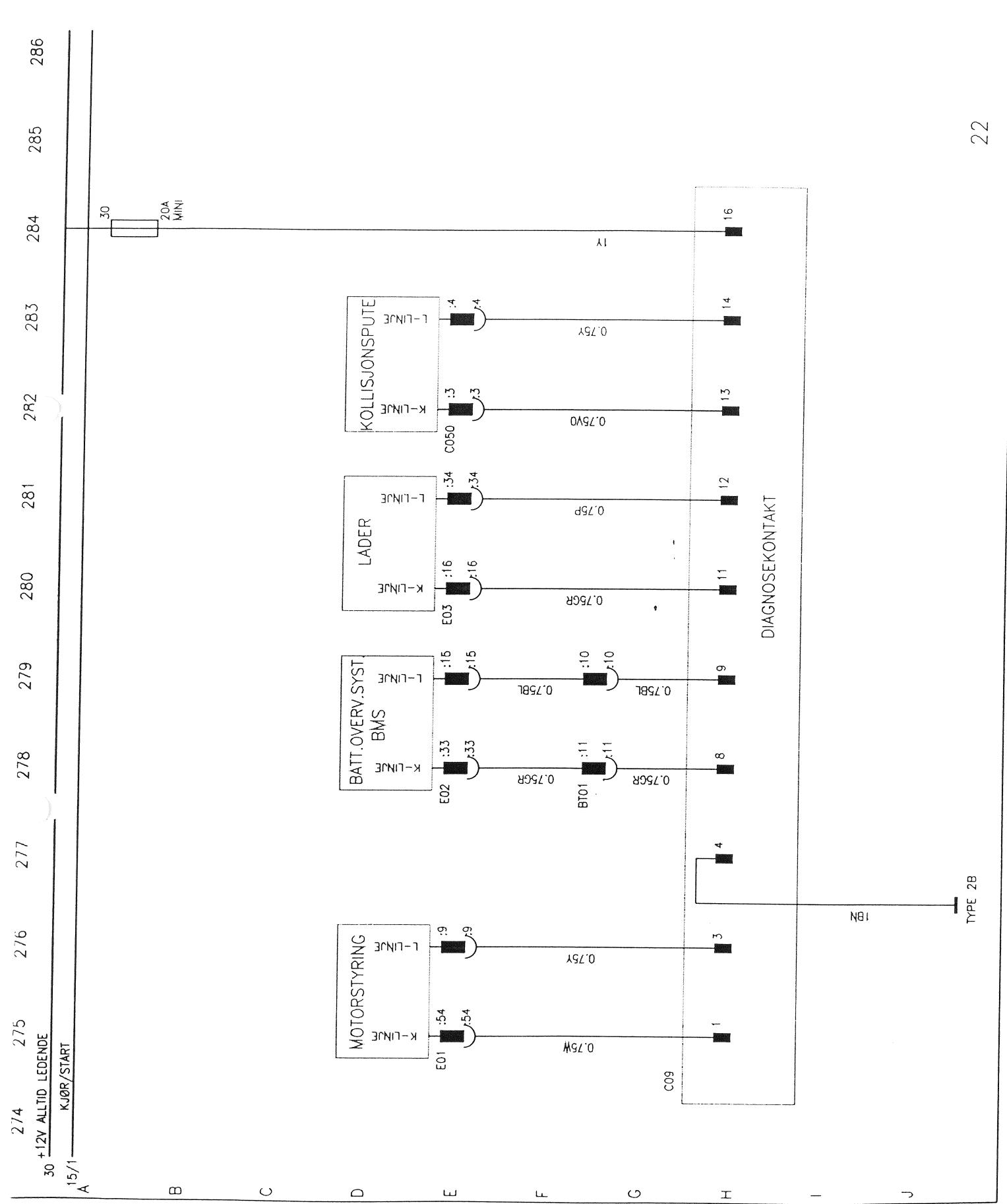


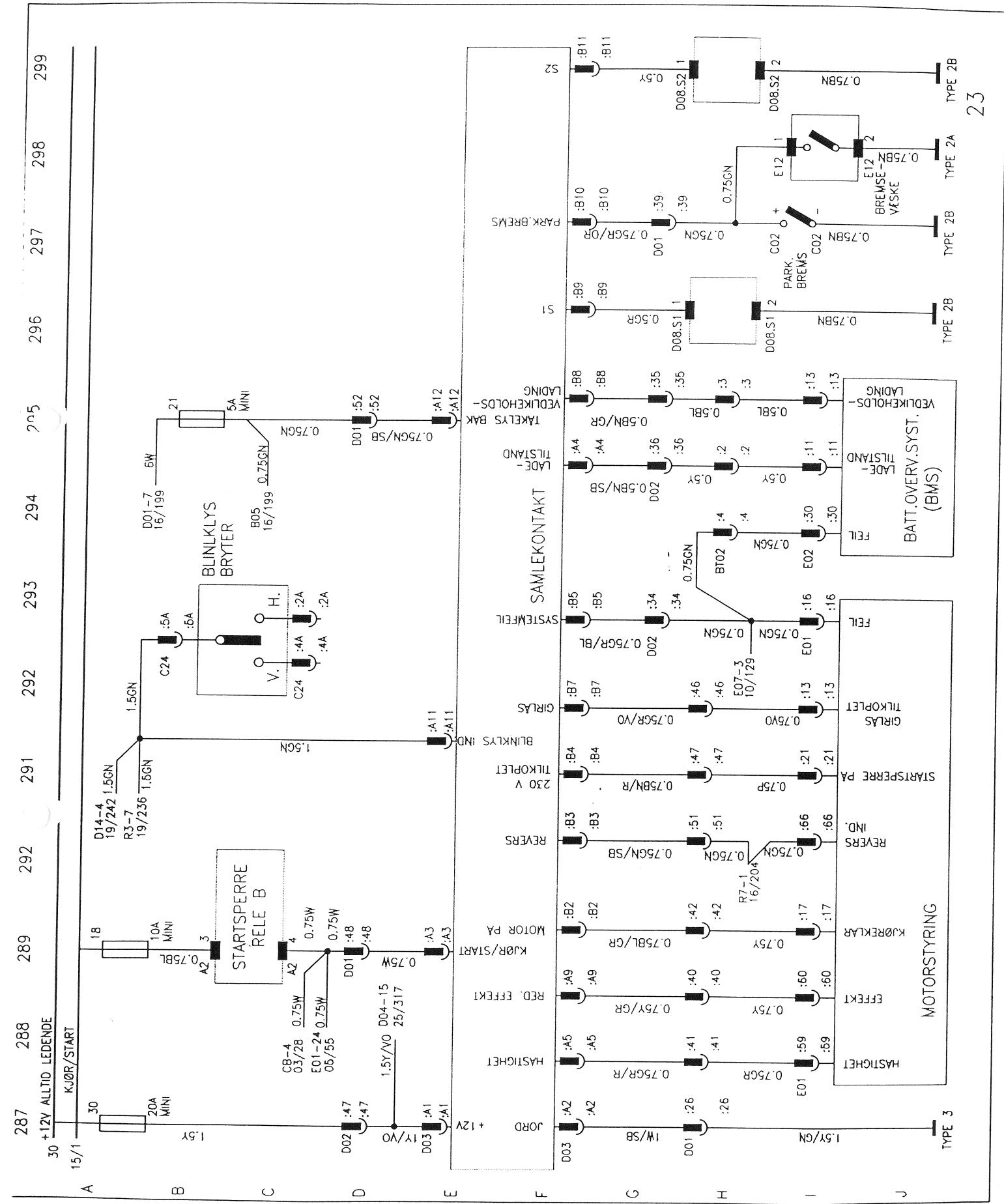


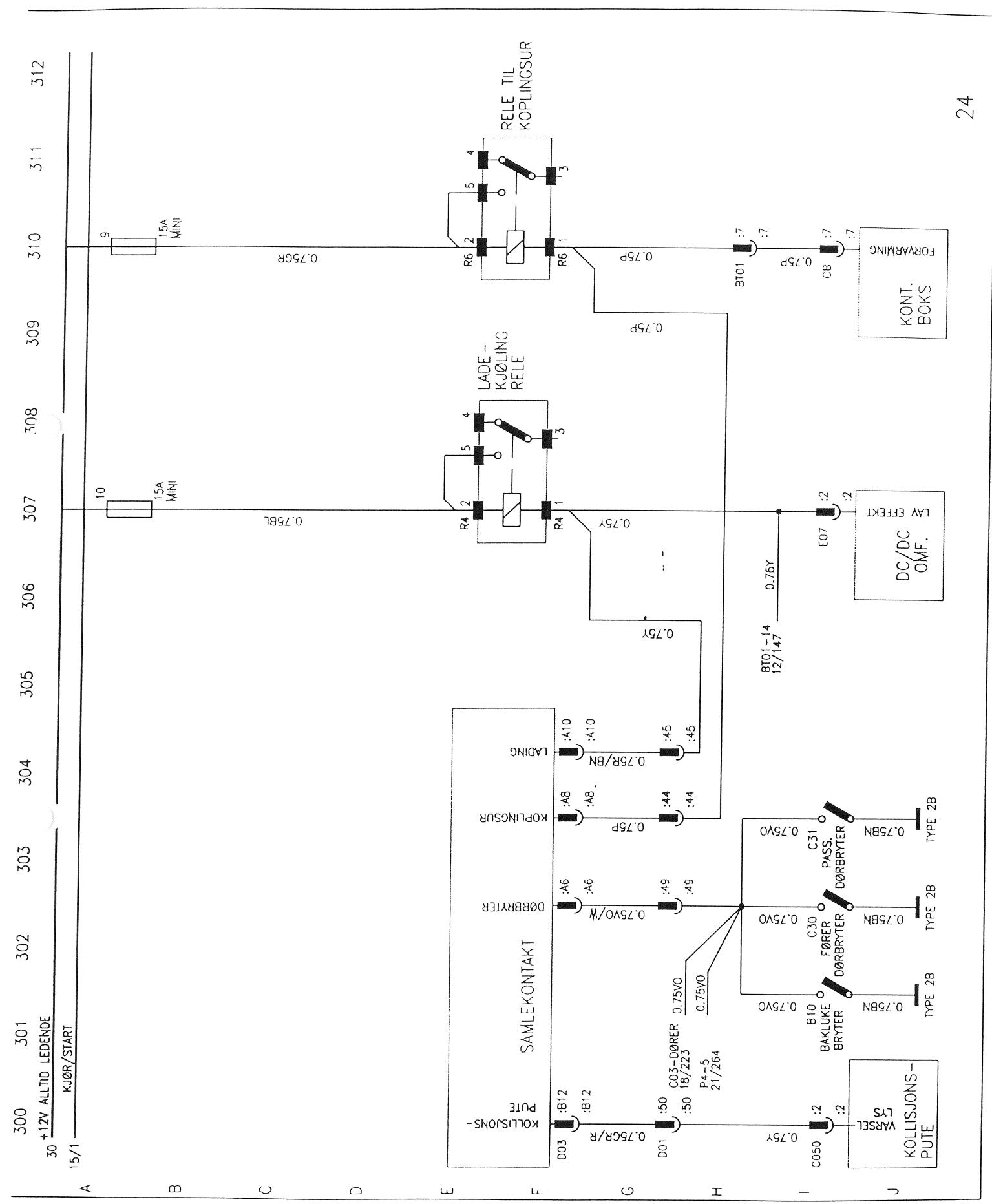
248 249 250 251 252 253 254 255 256 257 258 259 260
 30 +12V ALLTID LEDENDE
 15/2 TIL BEHØR/KØR



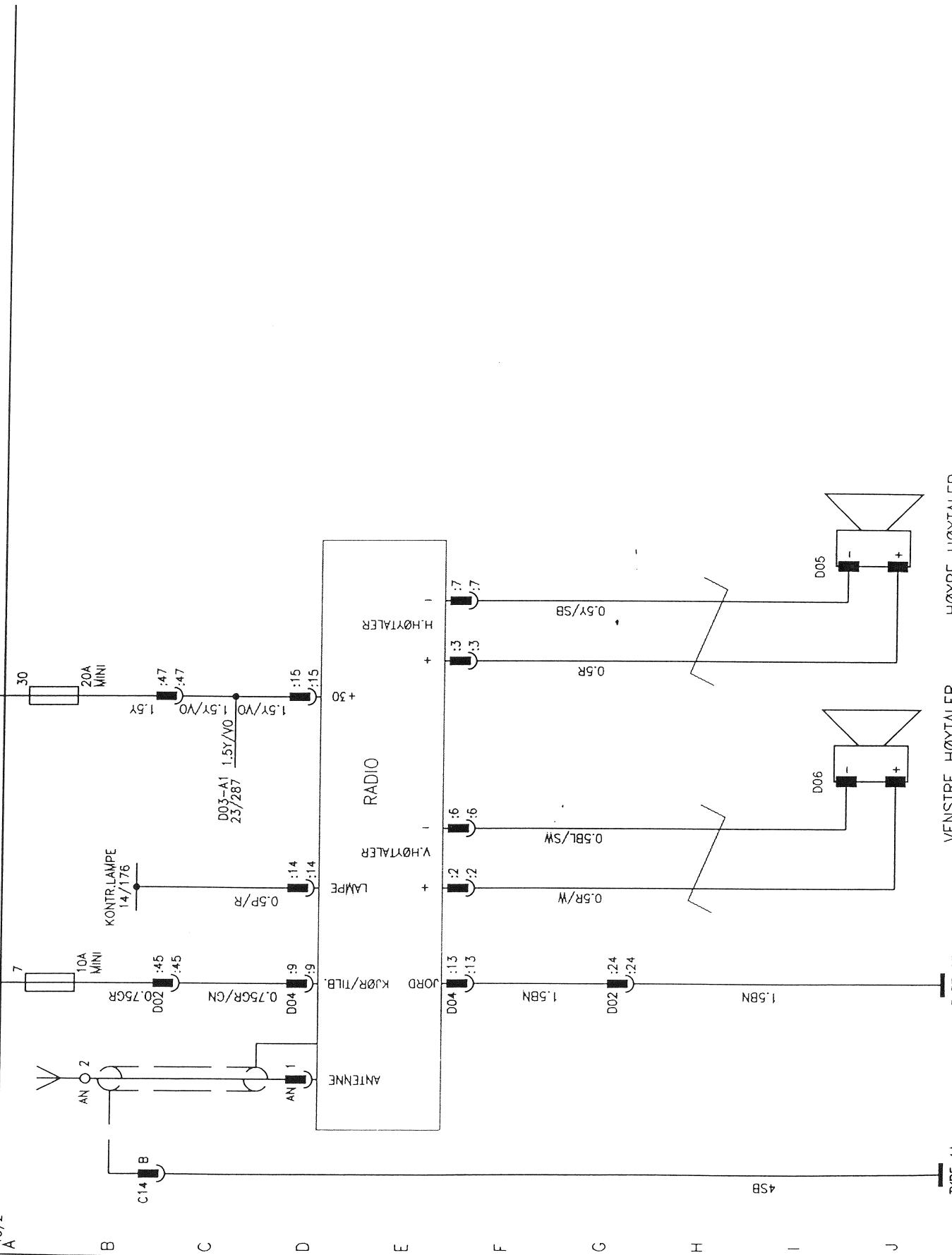








30 +12V TIL BERØR/KØR
15/2

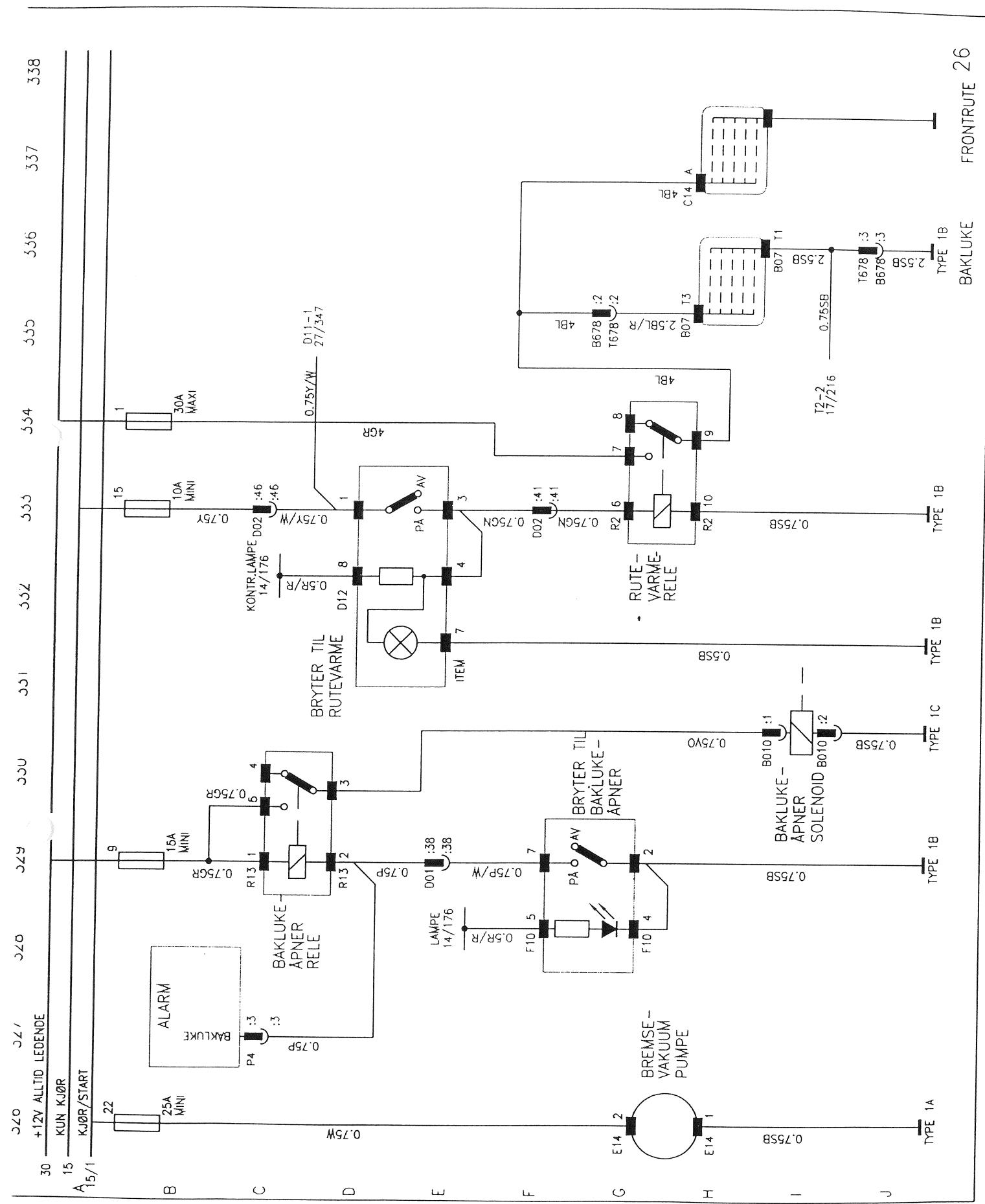


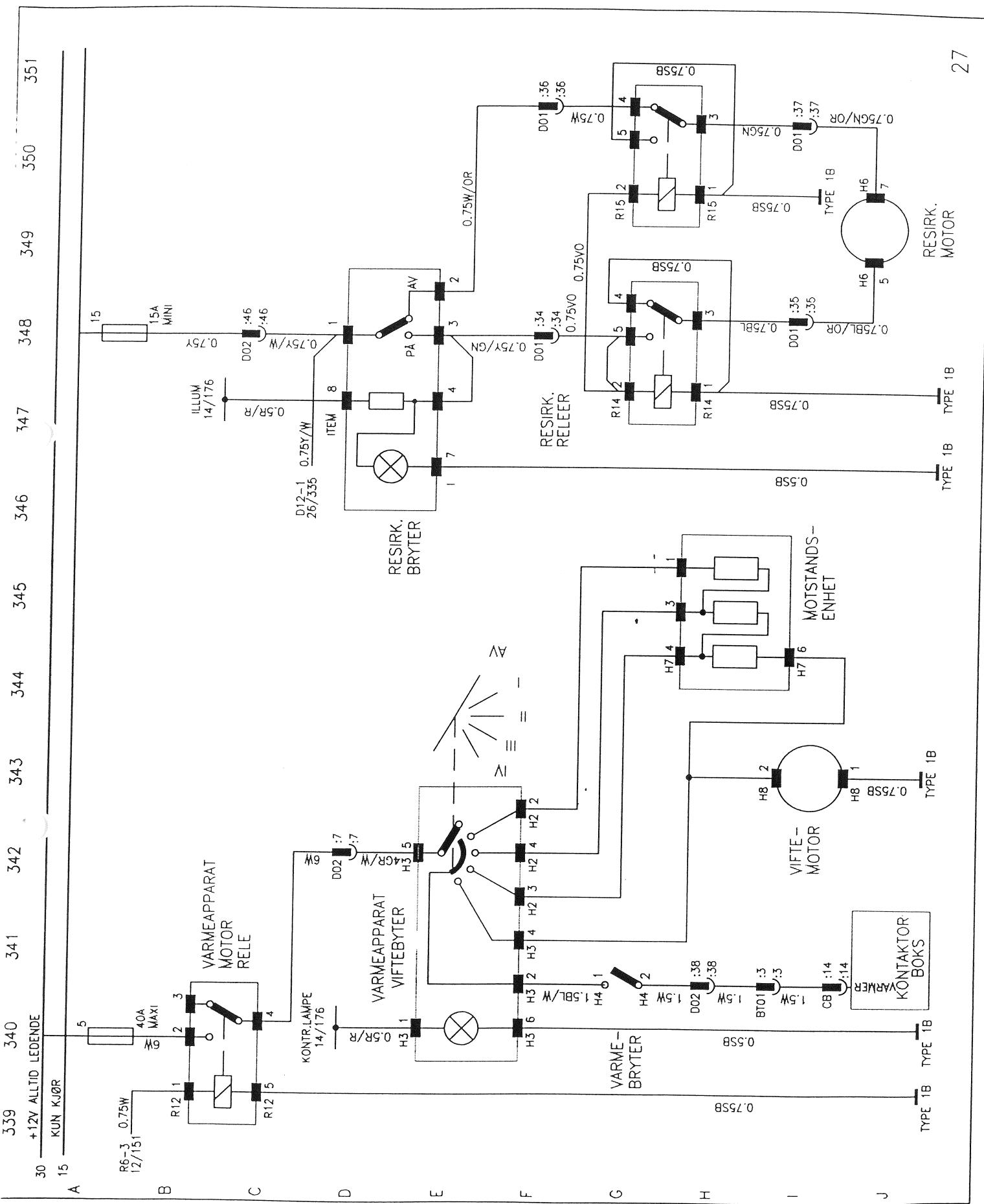
HØYTALER

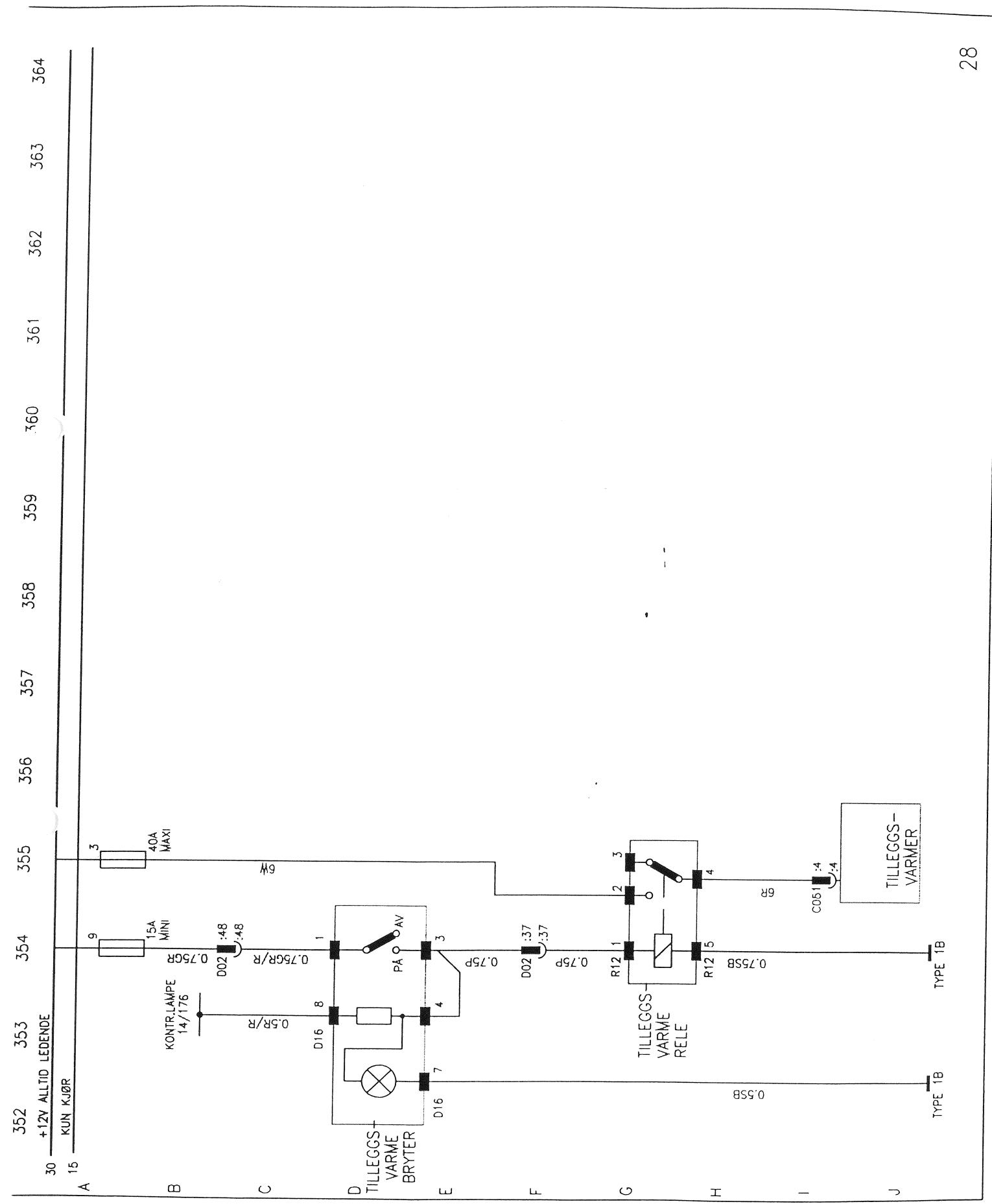
VENSTRE HØYTALER

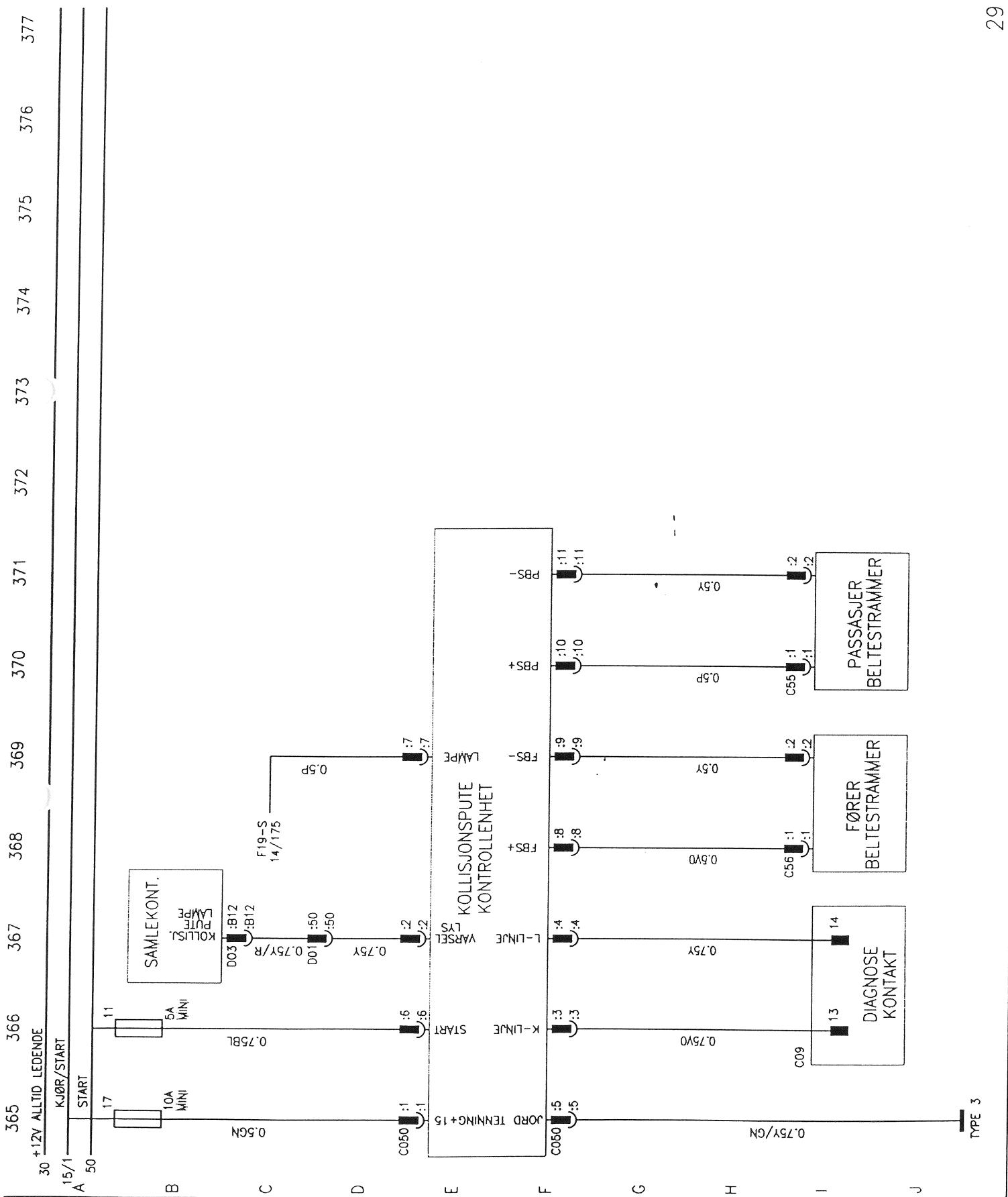
TYPE 2B

TYPE 1A

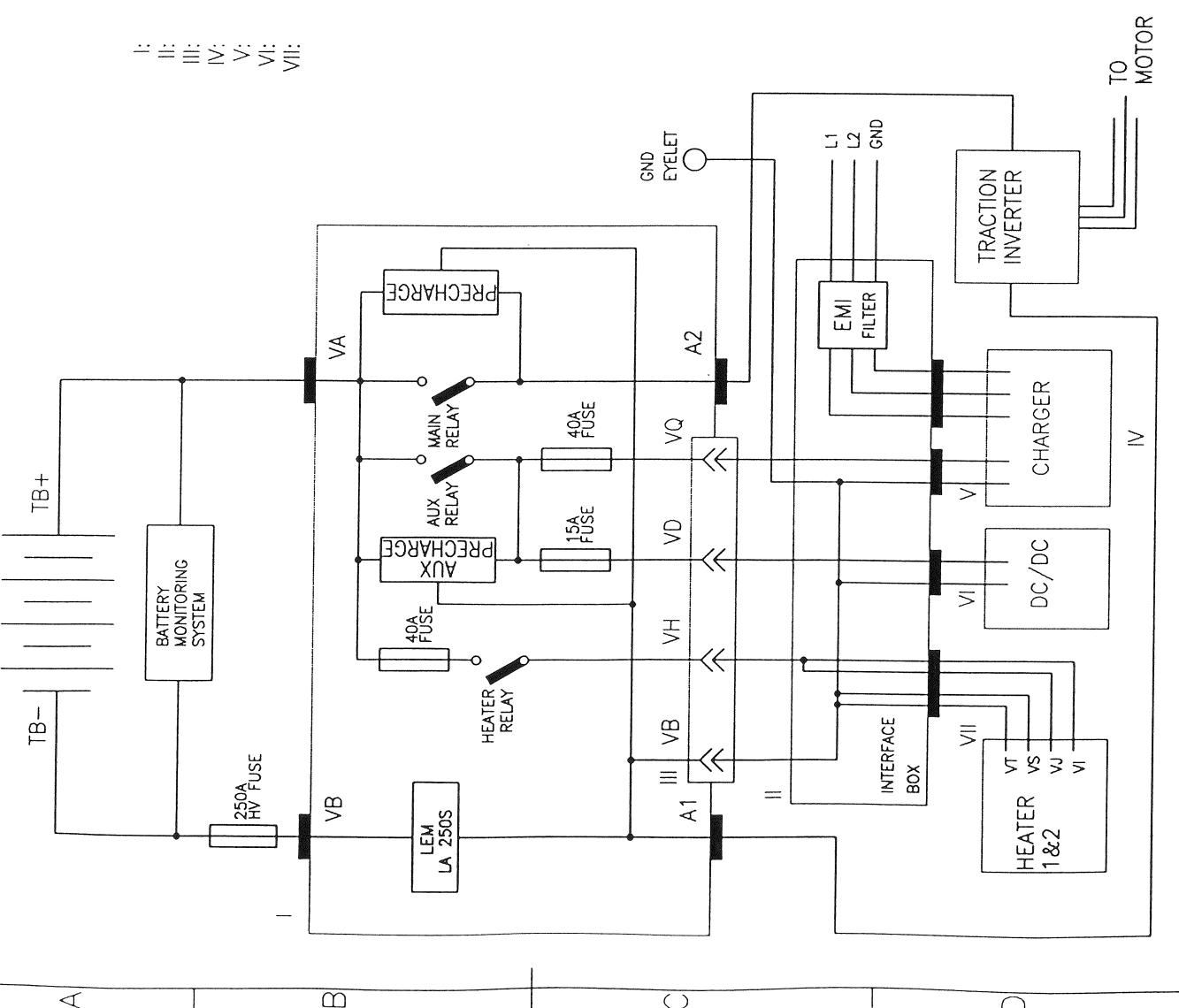








114V NOMINAL



- I: CONTACTOR BOX (Sparton)
 II: INTERFACE BOX HV (Miltronics)
 III: HV AUX FEED W/A (Lear)
 IV: CABLE ASSY TRACTION FEED (Lear)
 V: CHARGER HARNESS (Lear)
 VI: DC/DC HARNESS (Lear)
 VII: HEATER HARNESS (Lear)

HV Bowtie

A

B

C

D

4

3

2

semcon®

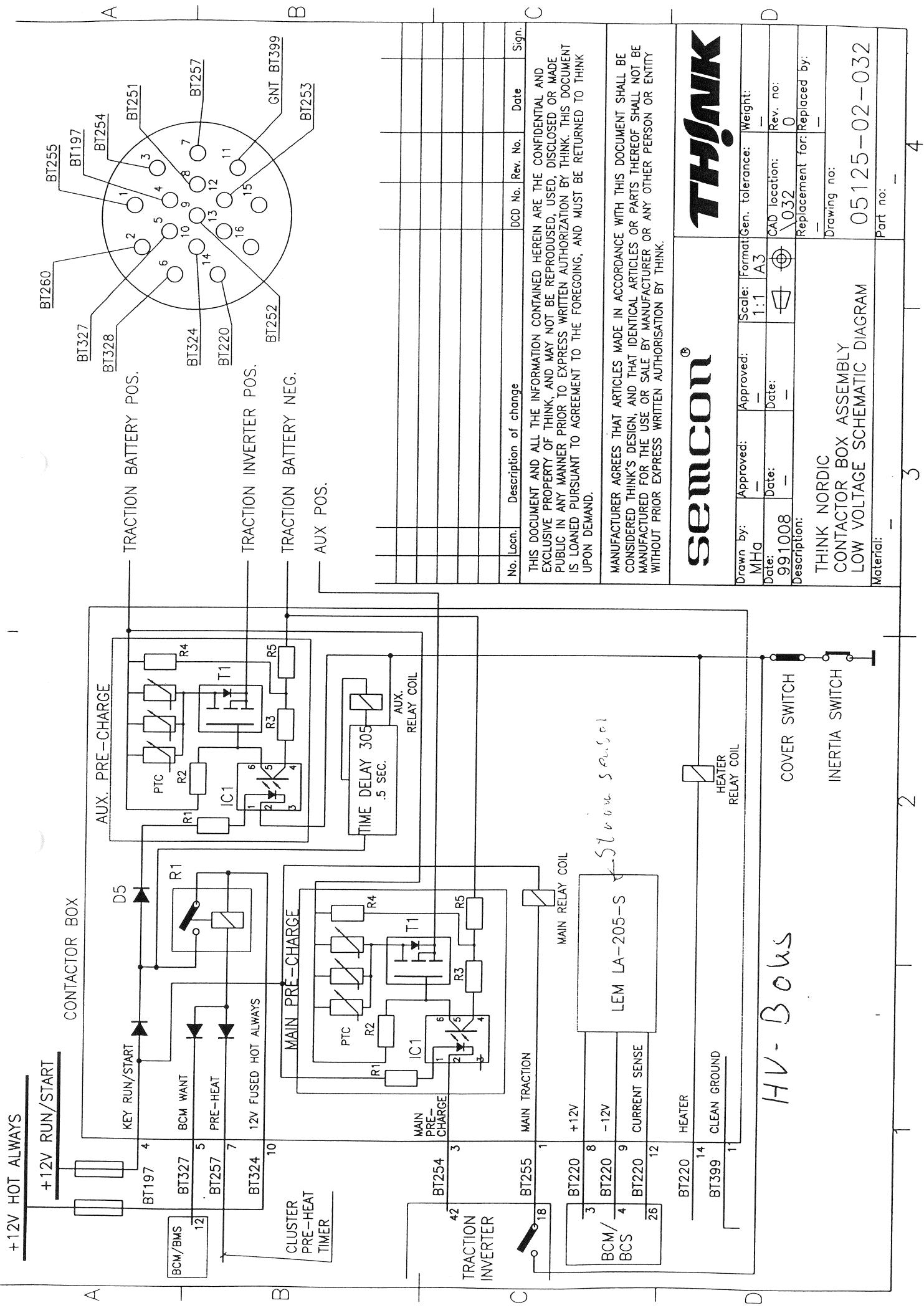
TH!NK

No.	Locn.	Description of change	DDC No.	Rev. No.	Date	Sign.
		THIS DOCUMENT AND ALL THE INFORMATION CONTAINED HEREIN ARE THE CONFIDENTIAL AND EXCLUSIVE PROPERTY OF THINK, AND MAY NOT BE REPRODUCED, USED, DISCLOSED OR MADE PUBLIC IN ANY MANNER PRIOR TO EXPRESS WRITTEN AUTHORIZATION BY THINK. THIS DOCUMENT IS LOANED PURSUANT TO AGREEMENT TO THE FOREGOING, AND MUST BE RETURNED TO THINK UPON DEMAND.				
		MANUFACTURER AGREES THAT ARTICLES MADE IN ACCORDANCE WITH THIS DOCUMENT SHALL BE CONSIDERED THINK'S DESIGN, AND THAT IDENTICAL ARTICLES OR PARTS THEREOF SHALL NOT BE MANUFACTURED FOR THE USE OR SALE BY MANUFACTURER OR ANY OTHER PERSON OR ENTITY WITHOUT PRIOR EXPRESS WRITTEN AUTHORIZATION BY THINK.				

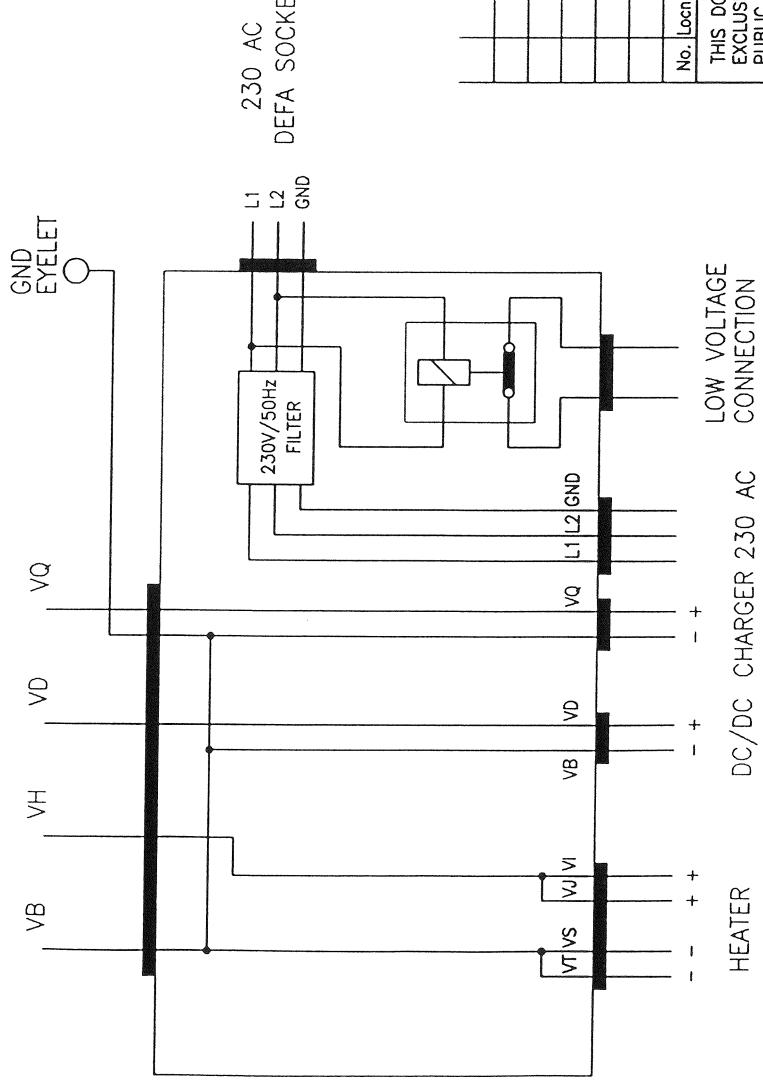
Drawn by:	Approved:	Scale:	Format:	Gen. tolerance:	Weight:
MHq	—	—	A3	—	—
Date:	Date:	Date:	CAD location:	Rev. no:	—
991005	—	—	\031	0	—
Description:			Replacement for:	Replaced by:	

TH!NK NORDIC
 CONTACTOR BOX ASSEMBLY
 HIGH VOLTAGE SCHEMATIC DIAGRAM
 Material: —

05125-02-031
 Part no: —



A



B

Interface blocks

No.	Locn.	Description of change	DDC No.	Rev. No.	Date	Sign.

No.	Locn.	Description of change	DDC No.	Rev. No.	Date	Sign.

No.	Locn.	Description of change	DDC No.	Rev. No.	Date	Sign.

No.	Locn.	Description of change	DDC No.	Rev. No.	Date	Sign.

No.	Locn.	Description of change	DDC No.	Rev. No.	Date	Sign.

No.	Locn.	Description of change	DDC No.	Rev. No.	Date	Sign.

No.	Locn.	Description of change	DDC No.	Rev. No.	Date	Sign.

No.	Locn.	Description of change	DDC No.	Rev. No.	Date	Sign.

No.	Locn.	Description of change	DDC No.	Rev. No.	Date	Sign.

No.	Locn.	Description of change	DDC No.	Rev. No.	Date	Sign.

No.	Locn.	Description of change	DDC No.	Rev. No.	Date	Sign.

No.	Locn.	Description of change	DDC No.	Rev. No.	Date	Sign.

No.	Locn.	Description of change	DDC No.	Rev. No.	Date	Sign.

No.	Locn.	Description of change	DDC No.	Rev. No.	Date	Sign.

No.	Locn.	Description of change	DDC No.	Rev. No.	Date	Sign.

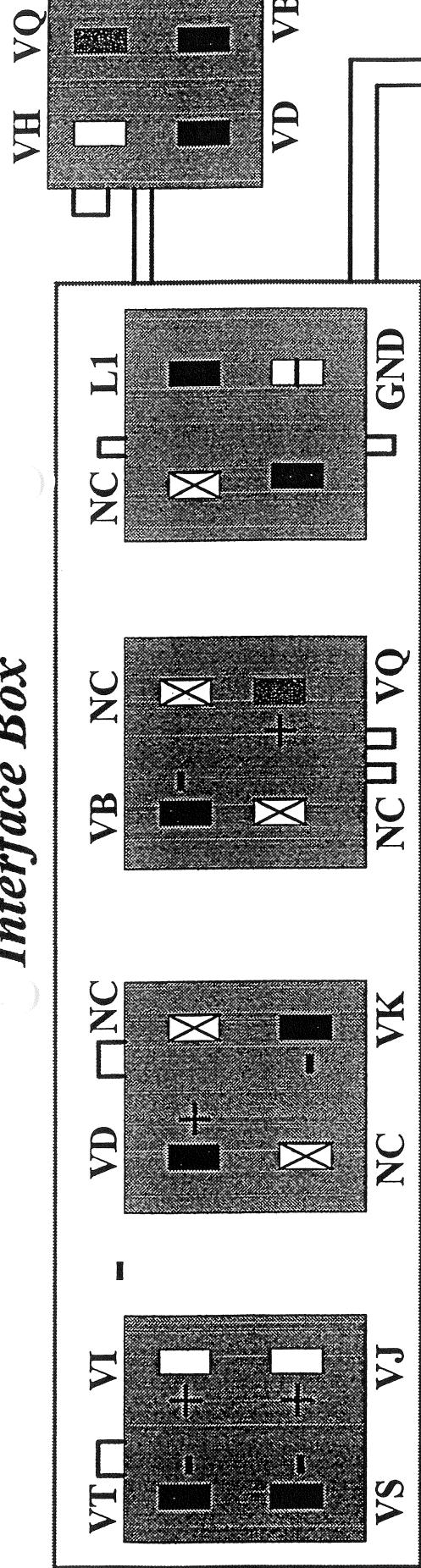
No.	Locn.	Description of change	DDC No.	Rev. No.	Date	Sign.

No.	Locn.	Description of change	DDC No.	Rev. No.	Date	Sign.

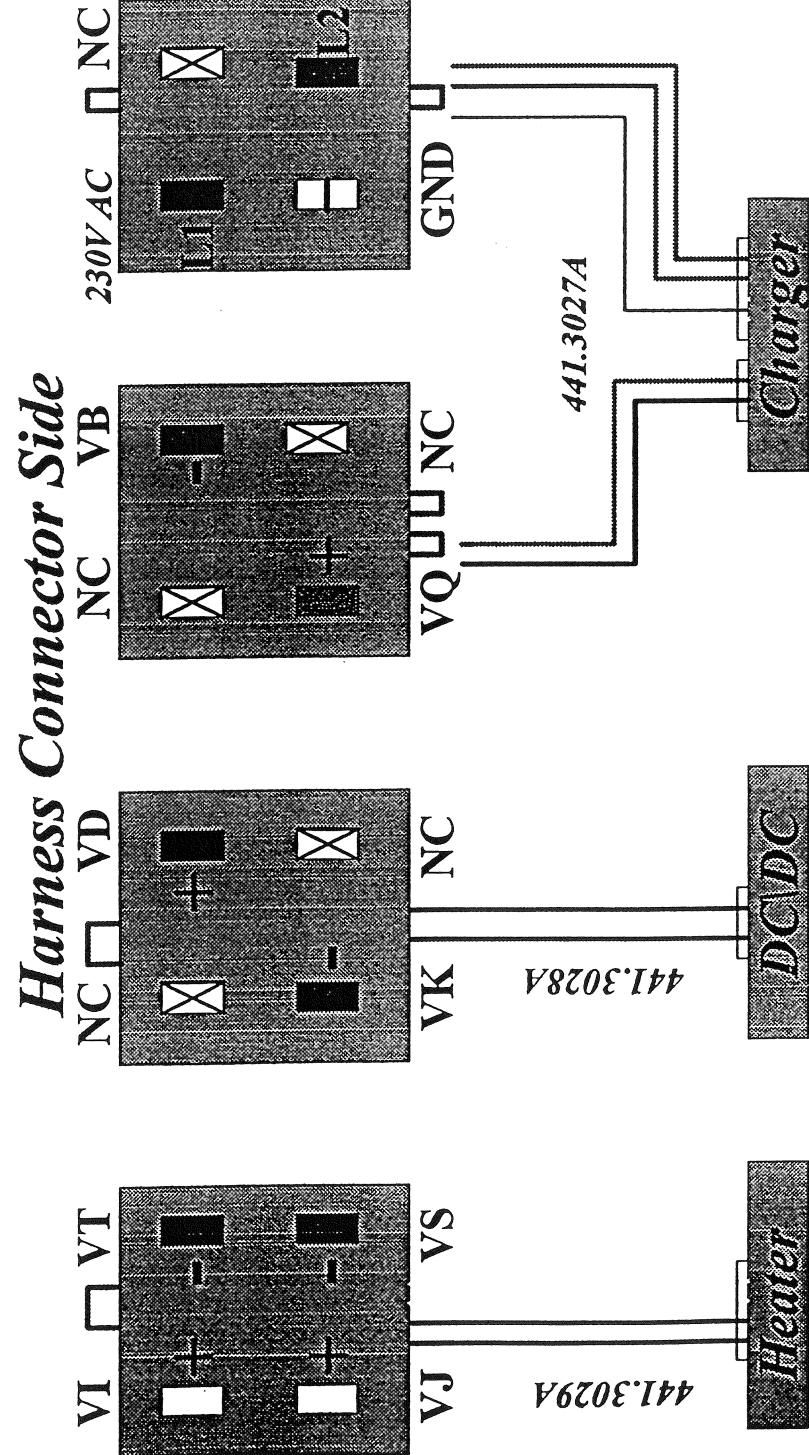
No.	Locn.	Description of change	DDC No.	Rev. No.	Date	Sign.

<table border

Interface Box



Harness Connector Side



HV Wiring Color Code	
Black	Neutral
Red	Positive
Blue	Ground
Yellow	Neutral
Green	Positive
Grey	Ground