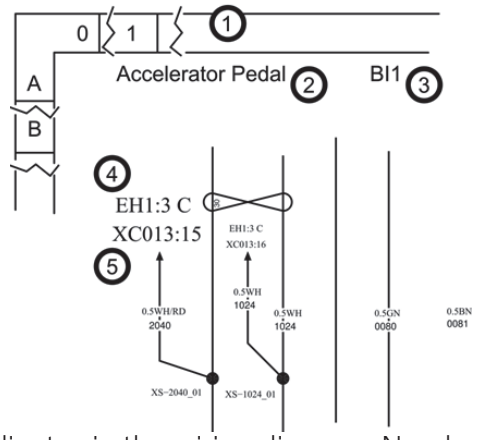
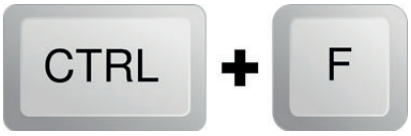
How To Read The Wiring Diagram

Basic guidance



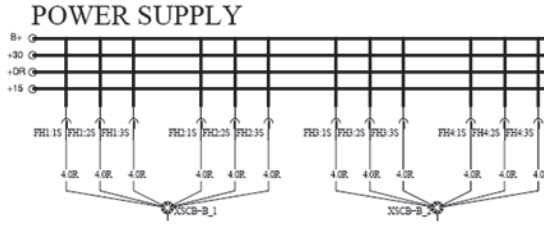
Coordinates in the wiring diagram. Numbers are along the horizonal axis, letters along vertical.
Name on the described function on the page (e.g. **Accelerator Pedal**)
Page name (e.g. **BI1**)
Reference to another page.
EH1 = target page
3 C = coordinates in the target page.
Component label
XC013 = connector
15 = pin

Locating sheets



To search and find in the document, use the keyboard shortcut **Ctrl-F.** You can also use the pdf reader software's outliner or bookmark features to navigate.

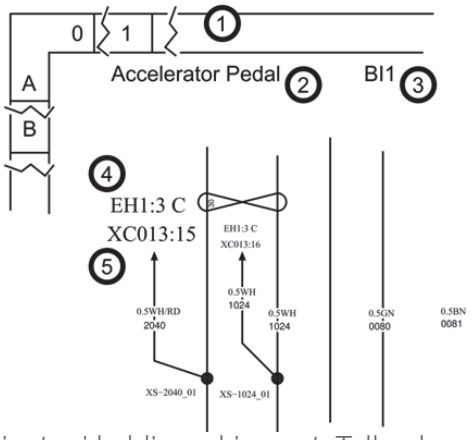
Pre-Bridgeplan wiring diagram



This is the old way of drawing wiring diagrams. The drawings are based on current feed.

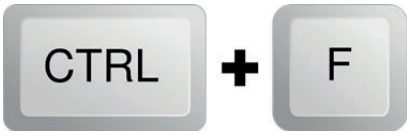
Slik Leser Du Koblingsskjemaet

Basisveiledning



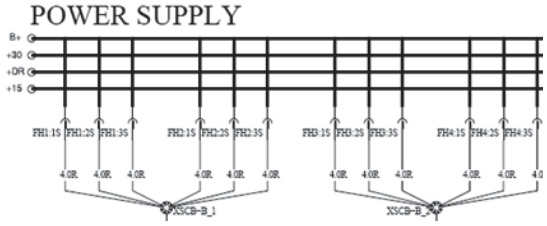
Koordinater i koblingsskjemaet. Tall er langs den vannrette aksen, bokstaver langs den loddrette.
Navn på den beskrevne funksjonen på siden (f.eks. **Gasspedal**)
Sidenavn (f.eks. **BI1**)
Referanse til en annen side.
EH1 = målside
3 C = koordinater i målsiden.
Komponentetikett
XC013 = kontaktstykke
15 = pinne

Finne ark



For å søke og finne i dokumentet bruker du hurtigtasten **Ctrl-F.** Du kan også bruke pdf-programvarens disposisjons- eller bokmerkefunksjoner for å navigere.

Koblingsskjema før Bridgeplan



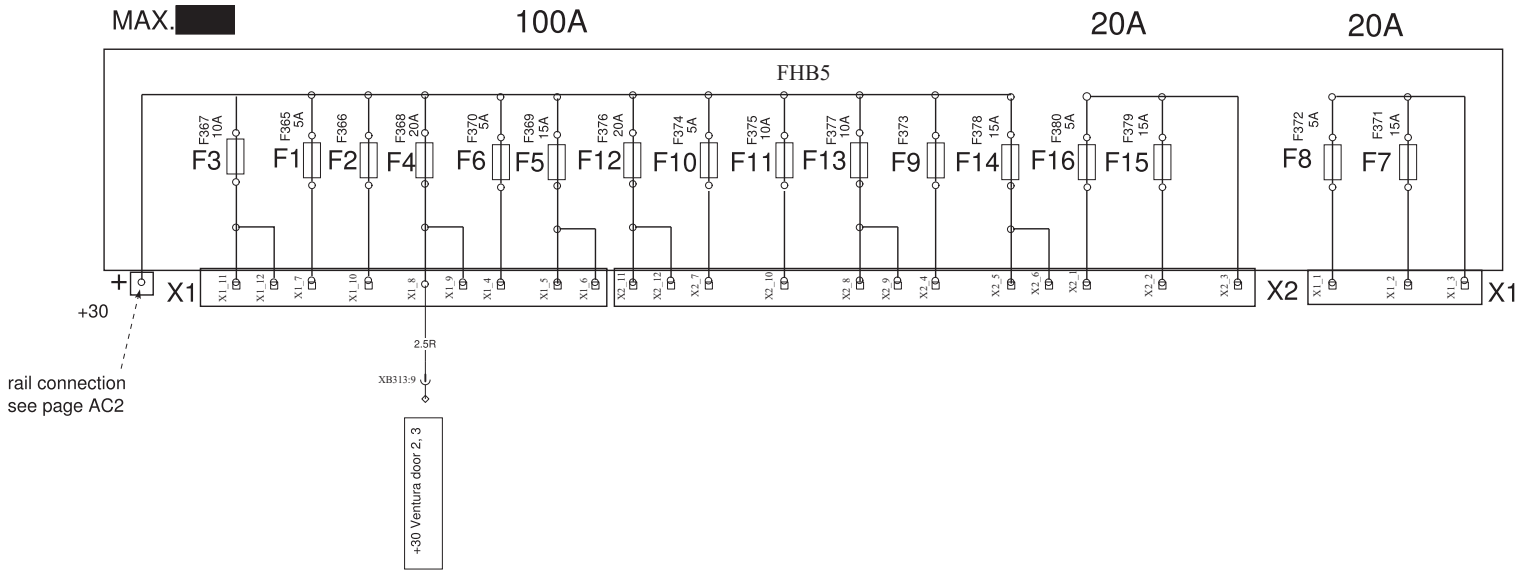
Dette er den gamle måten å tegne koblingsskjemaer på.Tegningene er basert på strømtilførsel.

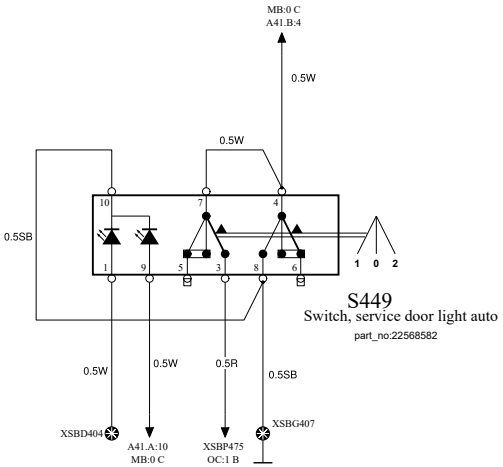
Abbreviation list

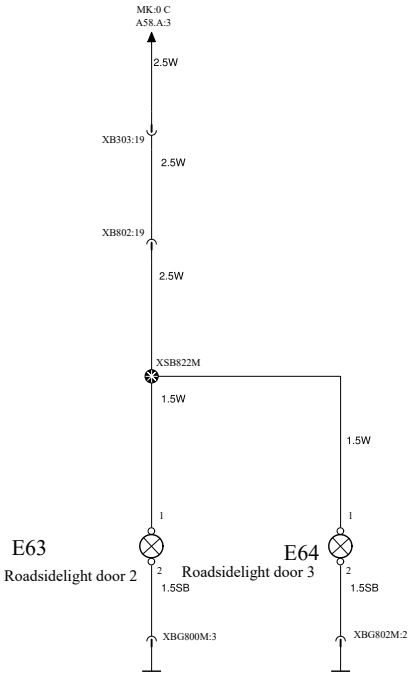
+15	Voltage, With Starter Key In Drive Position
+30	Voltage, Battery With Main Switch On
+30C	Voltage, Battery With Main Switch On, Cranked
AC	Air Conditioning
ACM	Aftertreatment Control Unit
Acp	Accelerator Pedal
AEBS	Advanced Emergency Braking System
AI	Analog Input
AIC	Advanced Information Center
Amb	Ambient
An.IN	Analogue Input
AO	Analog Output
APBE	Automatic Parking Brake Evacuation
ARC	Air Regeneration Control
ARMS	Automatic Reset Main Switch
B+	Voltage, Battery With Switch In On Position
BB	Body Builder
BBM	Bodybuilder Module
BHSA	Brake Hill Start Aid
BIO	Bus I/O Module
Bpol+	Battery Positive Before Main Switch
Brk	Brake
Buf	Buffered
C	Closing

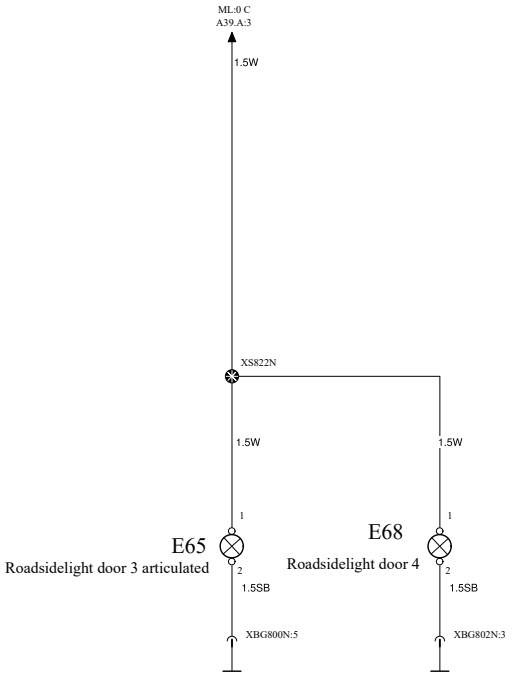
Liste Over Forkortelser

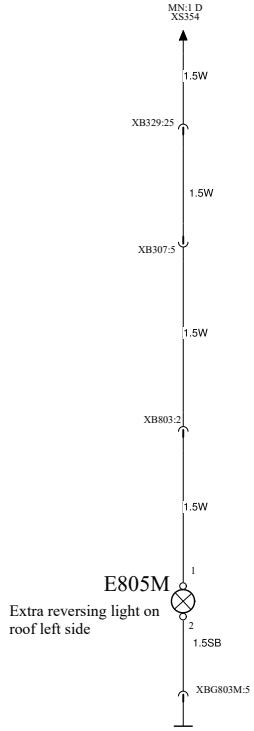
+15	Spenning Med Startnøkkel I Kjør-Posisjon
+30	Spenningsbatteri Med Hovedbryter På
+30C	Spenningsbatteri Med Hovedbryter På, Cranked
AC	Klimaanlegg
ACM	Etterbehandlings-Styringsenhet
Acp	Gasspedal
AEBS	Avansert Nødbremsesystem
AI	Analog Inngang
AIC	Avansert Informasjonssenter
Amb	Omgivelse
An.IN	Analog Inngang
AO	Analog Utgang
APBE	Automatisk Parkeringsbremsavtrekk
ARC	Luft Regenereringskontroll
ARMS	Automatisk Tilbakestilling Hovedbryter
B+	Spenningsbatteri Med Bryter I På-Posisjon
BB	Påbygger
BBM	Påbyggermodul
BHSA	Bremse Bakkestarthjelp
BIO	Buss I/O-Modul
Bpol+	Batteri Positiv Før Hovedbryter
Brk	Bremse
Buf	Bufret
C	Lukking


MAX.
100A
20A
20A
FHB5
F367 10A
F365 5A
F366
F368 20A
F370 5A
F369 15A
F376 20A
F374 5A
F375 10A
F377 10A
F373
F378 15A
F380 5A
F379 15A
F372 5A
F371 15A
F3
F1
F2
F4
F6
F5
F12
F10
F11
F13
F9
F14
F16
F15
F8
F7
+
X1
+30
X2
X1
2.5R
XB313:9
rail connection
see page AC2
+30 Ventura door 2, 3


MB:0 C
A41.B:4
0.5W
0.5W
0.5SB
10
7
4
1
9
5
3
8
6
1 0 2
S449
Switch, service door light auto
part_no:22568582
0.5W
0.5W
0.5R
0.5SB
XSBD404
A41.A:10
MB:0 C
XSBP475
OC:1 B
XSBG407

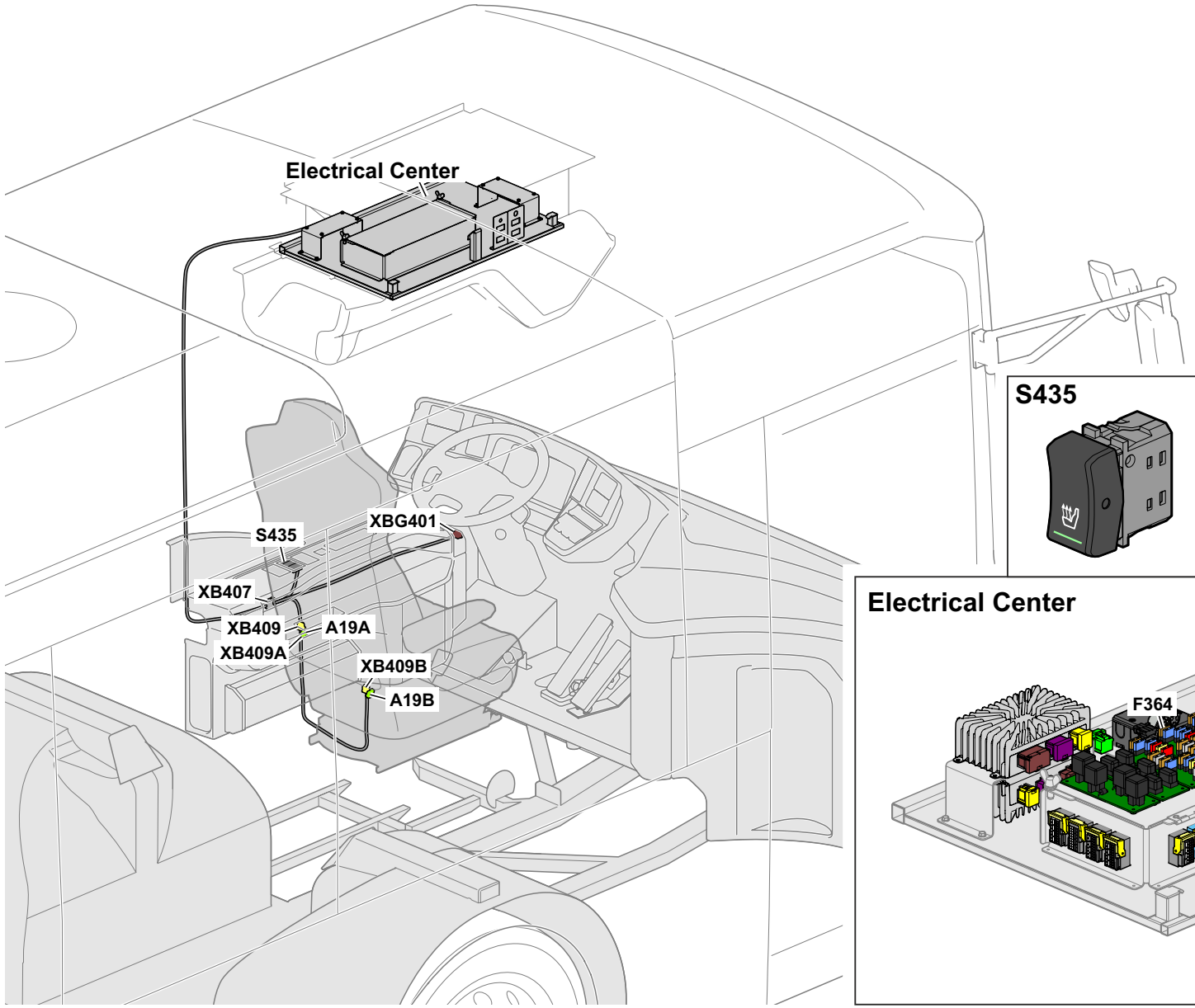

MK:0 C
A58.A:3
2.5W
XB303:19
2.5W
XB802:19
2.5W
XSB822M
1.5W
1.5W
1
2
1.5SB
XBG800M:3
1
2
1.5SB
XBG802M:2
E63
Roadsidelight door 2
E64
Roadsidelight door 3


ML:0 C
A39.A:3
1.5W
XS822N
1.5W
1.5W
1
2
1.5SB
XBG800N:5
1
2
1.5SB
XBG802N:3
E65
Roadsidelight door 3 articulated
E68
Roadsidelight door 4

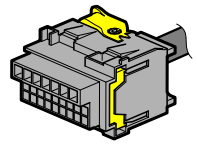

MN:1 D
XS354
1.5W
XB329:25
1.5W
XB307:5
1.5W
XB803:2
1.5W
1
2
1.5SB
XBG803M:5
E805M
Extra reversing light on
roof left side

Driver's Seat

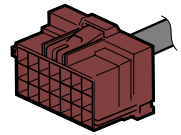
HK



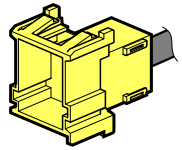
XB407



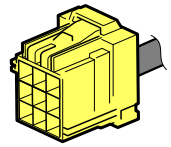
XBG401



XB409A

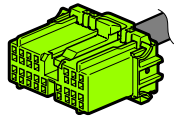


XB409,XB409B

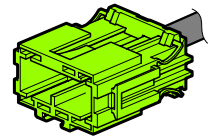


S435

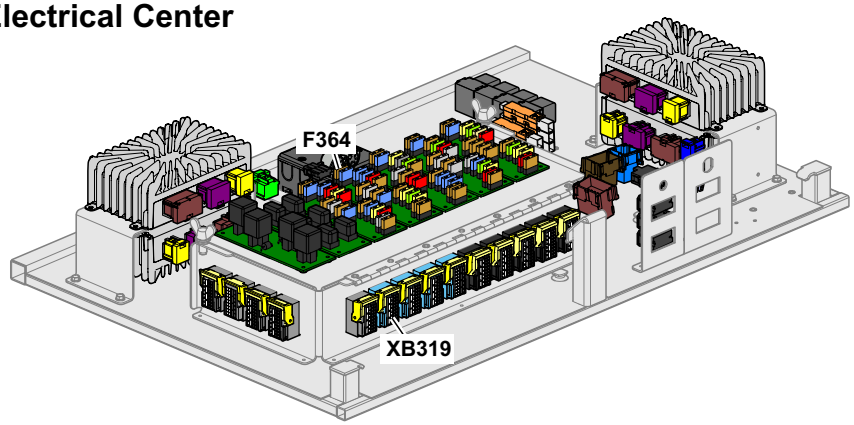
A19A

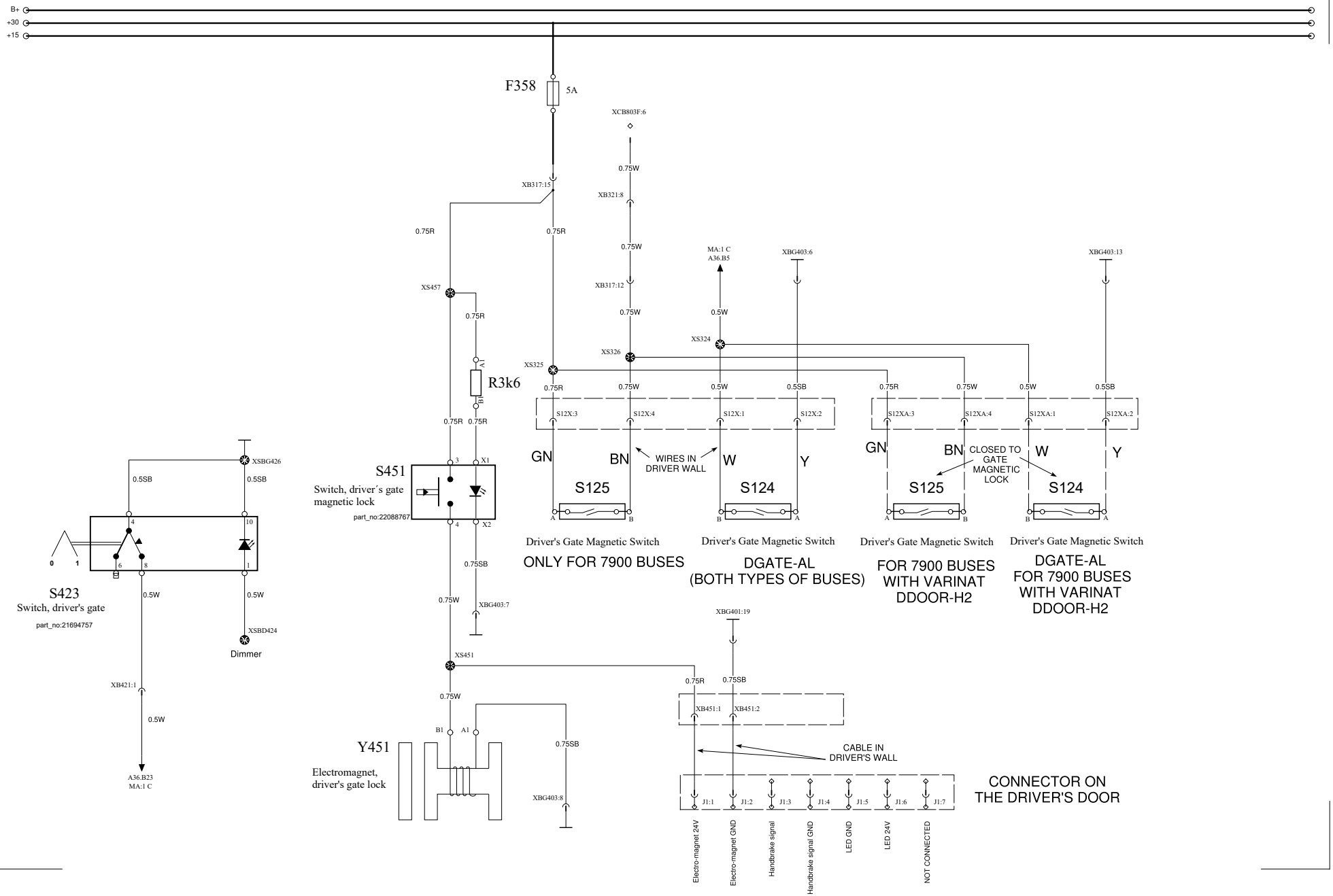


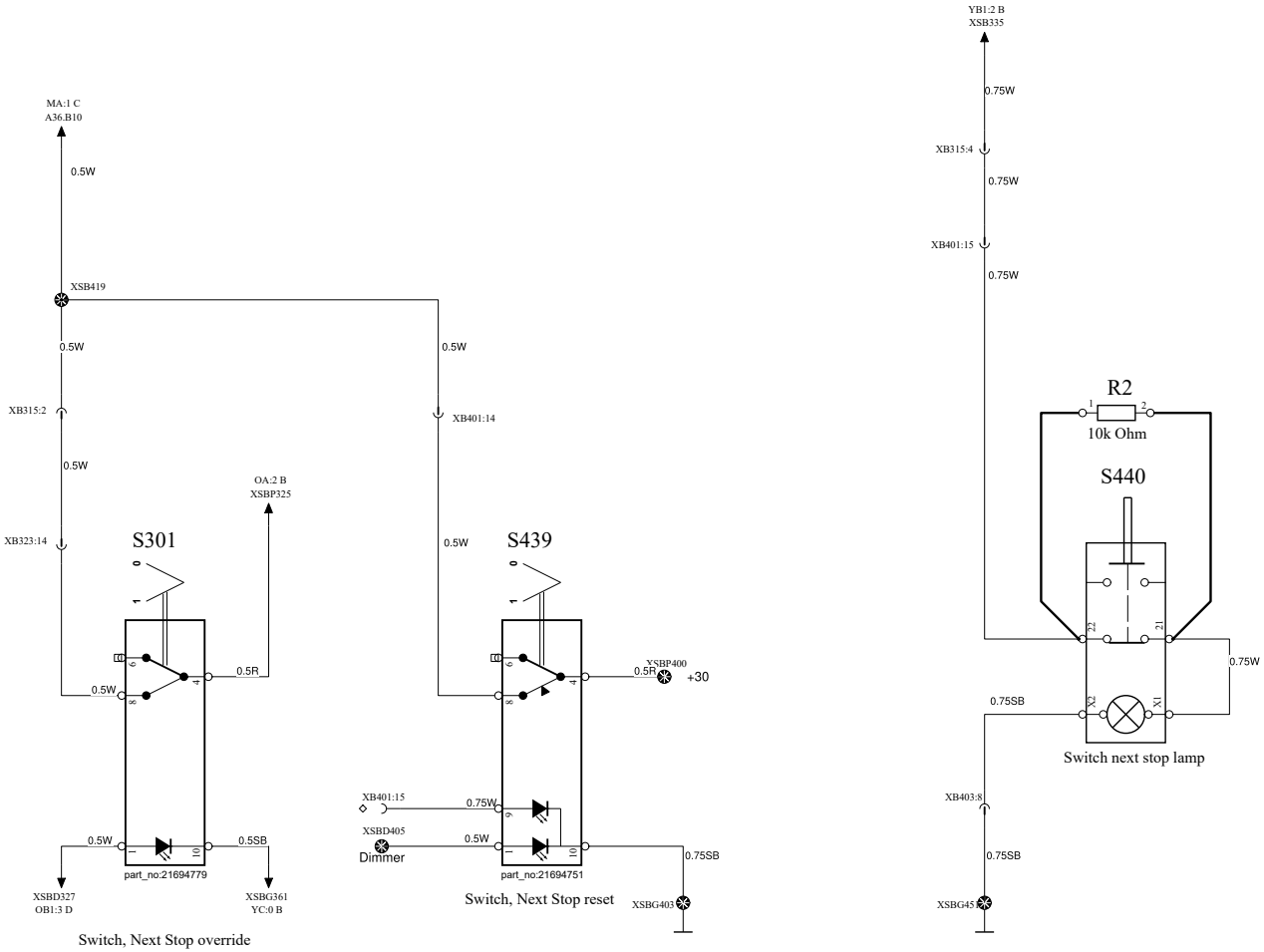
A19B



Electrical Center




B+
+30
+15
F358
5A
XCB803F:6
0.75W
XB317:15
XB321:8
0.75R
0.75R
0.75W
MA:1 C
A36.B5
XBG403:6
XBG403:13
XS457
XB317:12
0.75W
0.5W
XS324
XS326
0.75R
XS325
R3k6
1K
1R
0.75W
0.5W
0.5SB
0.75R
0.75W
0.5W
0.5SB
S12X:3
S12X:4
S12X:1
S12X:2
S12XA:3
S12XA:4
S12XA:1
S12XA:2
GN
BN
WIRES IN DRIVER WALL
W
Y
GN
BN
CLOSED TO GATE MAGNETIC LOCK
W
Y
S125
S124
S125
S124
A
B
B
A
A
B
B
A
Driver's Gate Magnetic Switch
ONLY FOR 7900 BUSES
Driver's Gate Magnetic Switch
DGATE-AL
(BOTH TYPES OF BUSES)
Driver's Gate Magnetic Switch
FOR 7900 BUSES
WITH VARINAT
DDOOR-H2
Driver's Gate Magnetic Switch
DGATE-AL
FOR 7900 BUSES
WITH VARINAT
DDOOR-H2
XSBG426
0.5SB
0.5SB
S451
Switch, driver´s gate
magnetic lock
part_no:22088767
3
X1
4
X2
0.75SB
0.75W
XBG403:7
XS451
4
10
6
8
1
0
1
S423
Switch, driver's gate
part_no:21694757
0.5W
0.5W
XSBD424
Dimmer
XB421:1
0.5W
A36.B23
MA:1 C
XBG401:19
0.75R
0.75SB
XB451:1
XB451:2
CABLE IN DRIVER'S WALL
0.75W
B1
A1
Y451
Electromagnet,
driver's gate lock
0.75SB
XBG403:8
J1:1
J1:2
J1:3
J1:4
J1:5
J1:6
J1:7
CONNECTOR ON
THE DRIVER'S DOOR
Electro-magnet 24V
Electro-magnet GND
Handbrake signal
Handbrake signal GND
LED GND
LED 24V
NOT CONNECTED


MA:1 C
A36.B10
0.5W
XSB419
0.5W
0.5W
XB315:2
XB401:14
0.5W
OA:2 B
XSBP325
XB323:14
S301
S439
0.5W
0.5R
XSBP400
0.5R
+30
0.5W
XB401:15
0.75W
XSBD405
Dimmer
0.5W
0.5SB
0.75SB
XSBD327
OB1:3 D
part_no:21694779
XSBG361
YC:0 B
Switch, Next Stop override
part_no:21694751
Switch, Next Stop reset
XSBG403
YB1:2 B
XSB335
0.75W
XB315:4
0.75W
XB401:15
0.75W
R2
10k Ohm
S440
0.75W
0.75SB
Switch next stop lamp
XB403:8
0.75SB
XSBG45

Pin Pinne	Description Beskrivelse	I/O I/O
15	-	NI
16	Left Turn Venstre Retning	HDO
17	-	GND
18	-	GND
19	Right Turn Høyre Retning	HDO
20	Alcolock Start Disable Alkolås Start Deaktiver	LDI
21	Aux Start Disable Aux Start Deaktiver	LDI

Connector B
Kontaktstykke B

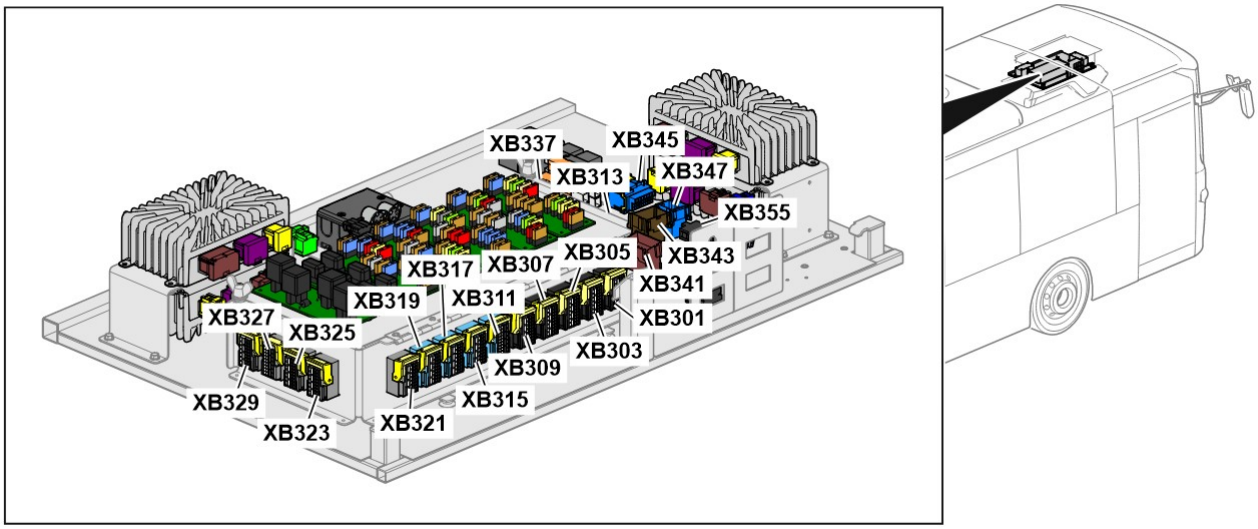
Pin Pinne	Description Beskrivelse	I/O I/O
1	Aut School Indicator Right Aut Skoleindikator Høyre	HLDO
2	Ground Stamme	GND
3	Ground Stamme	GND
4	Any Door Open En Dør Åpen	LDO
5	Low Beam Left Nærlys Venstre	HDI
6	Low Beam Right Nærlys Høyre	HDI
7	Extra Rev. Light Left Side Ekstra Ryggelys Venstre Side	HPO
8	Windscreen Wiper Normal Mode Frontrutevisker Normal Modus	HDI
9	Left Turn Venstre Retning	HDI
10	Front Light Right Forlys Høyre	HDO
11	-	-
12	-	-
13	Light Switch On Lysbryter På	HDO
14	Analogue Gnd Analog Jording	GND
15	-	-

Pin Pinne	Description Beskrivelse	I/O I/O
14	-	NI
15	-	NI
16	Auxiliary Heater Main Conection Tilleggsvarmer Hovedtilkobling	HDO
17	-	GND
18	-	GND
19	Driver'S Heating Fan Vifte, Fører	HDO
20	Auxiliary Heater Timer Timer For Ekstravarmer	LDI
21	Thermo Contact Hansen Coupling Termokontakt Hansen Kobling	LDI

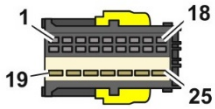
Connector B
Kontaktstykke B

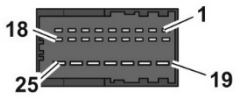
Pin Pinne	Description Beskrivelse	I/O I/O
1	Heating Fan At Second Door Vifte, Dør 2	HDO
2	Sensor, Interior Temperature Temperatursensor, Inne	GND
3	Sensor, Outside Temperature Sensor, Utetemperatur	GND
4	Auxiliary Heater Service Switch Ekstravarmer, Serviceknapp	HLDO
5	Sensor, Driver'S Area Temperature Temperatursensor,Førerplass	RES32K
6	Auxiliary Heater Timer Timer For Ekstravarmer	HDI
7	Cash Desk And Driver’S Light Myntbord Og Førerlys	HPO
8	Auxiliary Heater Timer Timer For Ekstravarmer	HDI
9	Sensor, Interior Temperature Temperatursensor, Inne	RES32K
10	Heating Fan At Front Door Vifte, Dør 1	HDO
11	Sensor, Auxiliary Heater Sensor, Tilleggsvarmer	RES32K
12	Sensor, Outside Temperature Sensor, Utetemperatur	RES32K
13	Switch, Emergency Resetable Valves Strømbryter, Dørventiler, Tilbakestillbare	-

Electrical Center Inlet
Elektrisk Sentralinntak



Connector XB301
Kontaktstykke XB301

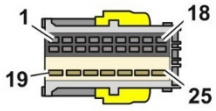


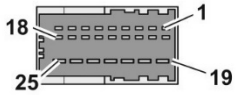


Pin Pinne	Description Beskrivelse	Wire Color Ledningsfarge	I/O I/O	Page Side
1	Next Stop Sign Neste Holdeplass Skilt	White Hvit	-	SB4 1 C
2	-	-	-	-
3	Lamp Cash Desk Light Lampe, Belysning, Billettbord	Black Svart	HDO	IB 1 D
4	Motor, Driver'S Pillar Fan Motor, Vifter På Stolpe	Red Rød	-	HH 1 C
5	Motor, Sun Visor Motor, Nedtrekkbar Solskjerm	White Hvit	-	OC 1 D
6	Motor, Sun Visor Motor, Nedtrekkbar Solskjerm	White Hvit	-	OC 1 D
7	Inside Pram Button Light Innvendig Barnevognknapplys	White Hvit	HDO	SB5 1 A
8	Roof Hatch Switch Taklukebryter	White Hvit	-	HA1 0 B
9	Reverse Warnen, Acoustic Ryggevarsel, Akustisk	White Hvit	-	OB1 3 B

Pin Pinne	Description Beskrivelse	Wire Color Ledningsfarge	I/O I/O	Page Side
12	Speaker Driver Høyttaler Fører	White Hvit	-	JA1 2 C
13	Speaker Driver Høyttaler Fører	White Hvit	-	JA1 2 C
14	Speaker Driver Høyttaler Fører	White Hvit	-	JA1 2 C
15	Remote Turn-On Input Fjern Påslåing, Input	Red Rød	-	JA2 4 C
16	Button Next Stop Activation Knapp Neste Stop, Aktivering	White Hvit	-	JA2 3 B
17	Wheelchair Button Actibation Rullestolknapp, Aktivering	White Hvit	-	JA2 3 B
18	Button Host Notification Knapp, Vert, Varsling	White Hvit	-	JA2 3 B
19	Diode, Microphone Activation For External Speaker Diode, Mikrofonaktivering For Utvendig Høyttaler	White Hvit	-	JA3 2 D
20	A07 Radio A07 Radio	Red Rød	-	AC1 2 B JA1 1 B
21	Driver Mic Routing To Cabin Førermikrofon, Føring Til Kupé	White Hvit	-	JA3 2 D
22	Switch, Radio'S Audibility In Passengers Area Strømbryte, Radio-Hørbarhet I Passasjerområdet	White Hvit	-	JA2 4 C
23	Name Navn	Red Rød	-	SA1 2 A AC3 3 B
24	Driver Mic Routing To External Speaker Førermikrofon, Føring Til Utvendig Høyttaler	White Hvit	-	JA3 2 D
25	-	-	-	-

Connector XB329
Kontaktstykke XB329



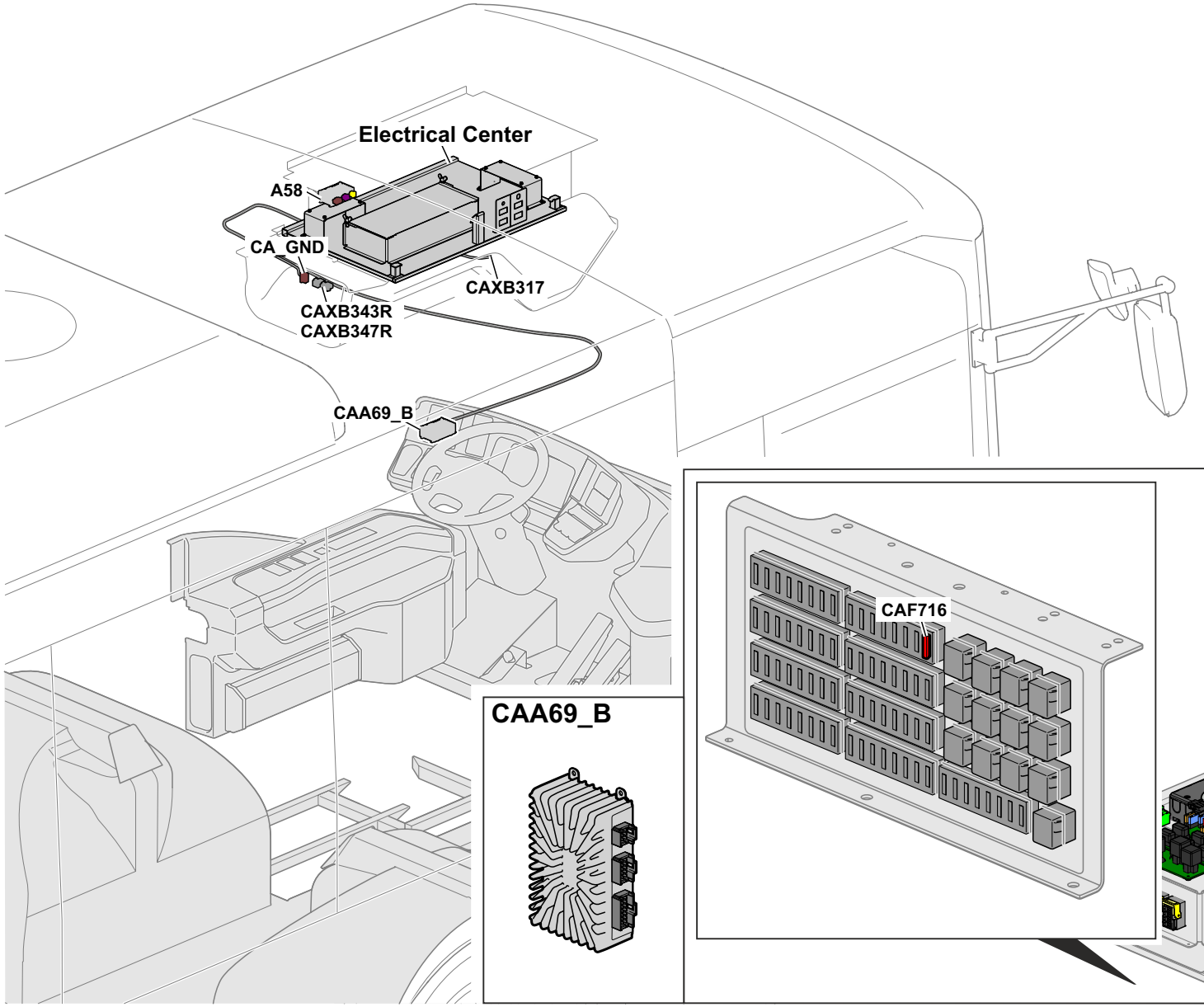


Pin Pinne	Description Beskrivelse	Wire Color Ledningsfarge	I/O I/O	Page Side
1	Relay, Driver Ac Spheros Relé, Klimaanlegg Spheros Fører	White Hvit	-	HB1 2 B
2	Relay, Driver Ac Spheros Relé, Klimaanlegg Spheros Fører	Red Rød	-	HB1 2 B
3	Relay, Driver Ac Spheros Relé, Klimaanlegg Spheros Fører	White Hvit	-	HB1 2 B

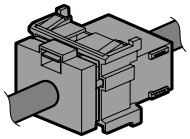
Lamp Lampe	Description Beskrivelse	Page Side
E13FL_LED	Lamp. Led Direction Indicator. Front Left Lampe. Led-Blinklys. Venstre Foran	GH1 0 C
E13FR	Lamp, Direction Indicator Front Right Lampe, Retningsviser, Foran, Høyre	GH1 0 C
E13FR_LED	Lamp. Led Direction Indicator. Front Right Lampe. Led-Blinklys. Høyre Foran	GH1 0 C
E13L	Direction Indicator Rear Left Up Retningsviser, Bak, Venstre Øverst	GI2 1 C GI5 1 C SA2 3 D
E13L_RHD	Direction Indicator Rear Left Up - Rhd Blinklys, Bak Til Venstre, Oppe – Høyreratt	GI5 1 D
E13R	Direction Indicator Rear Right Up Retningsviser, Bak, Høyre Øverst	GI2 2 C GI5 2 C SA2 3 D
E13R_RHD	Direction Indicator Rear Right Up - Rhd Blinklys, Bak Til Høyre, Oppe – Høyreratt	GI5 1 D
E14RL	Rear Fog Lights Left Tåkelys, Bak, Venstre	GI1 0 D
E14RR	Rear Fog Lights Right Tåkelys Bak Høyre	GI1 4 D
E17	Lamp, Interior Light Lampe, Interiørlys	IA2 0 E IA3 0 E IA4 0 E
E17DFL	Lamp, Diaphragm Front Left Lampe, Membran, Foran Til Venstre	IA5 3 C
E17DFR	Lamp, Diaphragm Front Right Lampe, Membran Bak Fremre Høyre	IA5 4 C
E17DL	Lamp, Diaphragm Left Lampe, Membran (Ledd) Venstre	IA5 3 C
E17DR	Lamp, Diaphragm Right Lampe, Membran (Ledd), Høyre	IA5 3 C
E17L_1	Lamp, New Interior Left Lampe, Ny Interiør Til Venstre	IA2 2 E IA3 0 D IA4 1 C
E17L_2	Lamp, New Interior Left Lampe, Ny Interiør Til Venstre	IA2 2 E IA3 0 D IA4 2 C
E17L_3	Lamp, New Interior Left Lampe, Ny Interiør Til Venstre	IA2 3 E IA3 1 D IA4 2 C
E17L_4	Lamp, New Interior Left Lampe, Ny Interiør Til Venstre	IA2 3 E IA4 3 C
E17L_5	Lamp, New Interior Left Lampe, Ny Interiør Til Venstre	IA2 4 C IA4 3 C
E17L_6	Lamp, New Interior Left Lampe, Ny Interiør Til Venstre	IA2 4 C IA4 4 C
E17NL_1	Lamp, Artic New Interior Left Lampe, Leddbuss, Ny Innvendig Til Venstre	IA3 3 D

Connector Kontaktstykke	Description Beskrivelse	Page Side
XB623N	Heater Box Interface Artic Varmerboks, Grensesnitt, Ledd	HC7-2 0 C HC7-2 1 C HC7-2 2 C HC7-2 3 C HC7-2 4 C
XB624M	Junction Box Koblingskasse	HC5 0 D
XB630M	Perei Control Unit Perei Styringsenhet	GG2 2 B GG2 2 C
XB631M	Perei Control Unit Perei Styringsenhet	GG2 2 B
XB700M	Outside Button Utvendig Knapp	SB5 3 B SB7 3 B
XB700MA	Door 2 Adapter Dør 2 Adapter	YE 1 A
XB700MB	Door 2 Adapter Dør 2 Adapter	YE 1 C
XB700MC	Outside Pram Button Barnevogn-Knapp, Ute	SB5 3 D
XB700N	Outside Button Artic Utvendig Knapp Ledd	SB6 3 C SB8 1 C
XB702M	Outside Button Captron Utvendig Knapp Captron	AE 3 D SB5 3 D
XB704R	Compressor Valves And Sensors Kompressorventiler Og -Sensorer	HA1 1 C HA1 2 C
XB705R	Licence Plate Lights Nummerskiltlys	GG1 2 C
XB706R	Licence Plate Light Belysning, Registreringsskilt	GG1 0 C GG1 1 C
XB709R	Reverse Warner, Acoustic Summelyd, Ryggesignal	OB1 2 A OB1 3 A
XB720R	Brake Light Rear Right Bremselys Bak Høyre	GI1 3 C GI4 3 C
XB721R	Brake Light Rear Left Bremselys Bak Venstre	GI1 0 C GI4 0 C
XB722R	Indicator Right Indikator Høyre	GI1 3 D GI4 3 D
XB722R_ RHD	Led Indicator Right Led-Indikator Høyre	GI4 3 C
XB723R	Indicator Left Indikator Venstre	GI1 0 D GI4 0 D
XB723R_ RHD	Led Indicator Left Led-Indikator Venstre	GI4 1 C
XB724R	Reversing Lamp Right Ryggelys Høyre	GI1 3 D GI4 3 D
XB725R	Reversing Lamp Left Ryggelys Venstre	GI1 0 D GI4 0 D

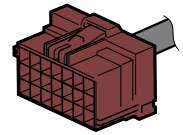
CAA69_B I/O Modul



CAXB343R
CAXB347R

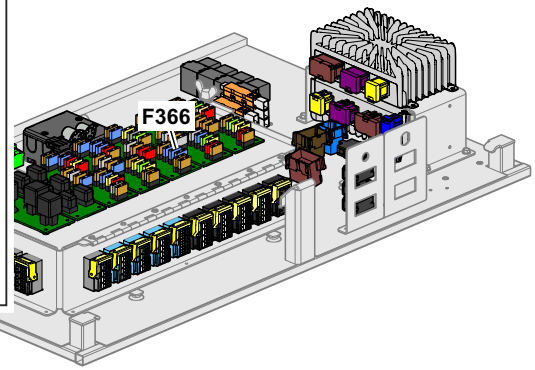


CA_GND



CAA69_B

Electrical Center



SIKRINGER BOKS C.A. - KAROSSERI

RELEER

CAK500 - +15
CAK501 - +61
CAK518 - ALCOLOCK
CAK924 - CONSAT

CAK925 - CONSAT
CAK504 - (+30) BRYTER CAS302
CAK872 - INDIVIDUELLE PANELER
CAK507A - LAMPER PÅ TAKET

CAFHBO1			
F1	ALCOLOCK	(CAF502)	1A
F2	OVERVÅKINGSSYSTEM	(CAF848)	1A
F3	ALCOLOCK	(CAF504)	5A
F4	FALC SIRIUS	(CAF742)	5A
F5	VINDRUTE AVRIMING	(CAF777)	10A
F6	OVERVÅKINGSSYSTEM	(CAF521)	5A
F7	COM - RADIO	(CAF678)	10A
F8	----------		----

CAFHBO2			
F1	IT x PT	(CAF1303)	7.5A
F2	USB STIKKONTAKT	(CAF1012)	10A
F3	CONSAT	(CAF1353)	15A
F4	CONSAT	(CAF1354)	15A
F5	FALC SIRIUS	(CAF740)	5A
F6	SOMMER - VINTER BRYTER	(CAF511)	5A
F7	----------		----
F8	MODUL A69	(CAF716)	10A

CAFHBO3			
F1	USB STIKKONTAKT	(CAF1013)	10A
F2	INDIVIDUELLE PANELER	(CAF1138)	10A
F3	LAMPER PÅ TAKET	(CAF513)	10A
F4	OVERVÅKINGSSYSTEM	(CAF1306)	3A
F5	VIFTE FOR SJÅFØREN	(CAF946)	3A
F6	FALC SIRIUS	(CAF741)	5A
F7	OVERVÅKINGSSYSTEM	(CAF537)	5A
F8	FAN - IT BOX	(CAF324)	5A

CAFHB04			
F1	----------		----
F2	FALC SIRIUS	(CAF743)	5A
F3	----------		----
F4	MODUL A42 ,EKSTRA STRØM	(CAF1227,1226)	5A
F5	DESTINASJONSSKILT	(CAF671,CAF665)	10A
F6	----------		----
F7	----------		----
F8	----------		----

CAFHB06			
F1	DESTINASJONSSKILT	(CAF687)	5A
F2	DESTINASJONSSKILT	(CAF931,CAF932)	5A
F3	PoE BRYTER	(CAF731)	10A
F4	SKRIVER	(CAF737)	5A
F5	----------		----
F6	----------		----
F7	BILLETTMASKIN	(CAF738)	10A
F8	----------		----

CAFHB14			
F1	IT x PT	(CAF1287)	20A
F2	IT x PT	(CAF1289)	20A
F3	IT x PT	(CAF1291)	20A
F4	IT x PT	(CAF1293)	20A
F5	IT x PT	(CAF1295)	20A
F6	IT x PT - MADT	(CAF1297)	20A
F7	IT x PT	(CAF1299)	20A
F8	IT x PT	(CAF1301)	20A

CAFHB15			
F1	IT x PT	(CAF1288)	20A
F2	IT x PT	(CAF1290)	20A
F3	IT x PT	(CAF1292)	20A
F4	IT x PT	(CAF1294)	20A
F5	IT x PT	(CAF1296)	20A
F6	IT x PT - MADT	(CAF1298)	20A
F7	IT x PT	(CAF1300)	20A
F8	IT x PT	(CAF1302)	20A

CAFHB16			
F1	----------		----
F2	ETHERNET BRYTER 1	(CAF1345)	5A
F3	----------		----
F4	----------		----
F5	CONSAT MADT	(CAF1344)	3A
F6	----------		----
F7	----------		----
F8	----------		----

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