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Propriétés

Objet	Valeur	Fonctions de sélection	
Identification		ACCB	Bouton-poussoir audible cabine
N° de commande	45SFOH56	AHCB	Bouton-poussoir appel externe audible
N° de commande d'un groupe de Cabine	45W280303	ALB	Bouton-poussoir d'alarme
en commençant par	1	ALM	Alarme pour monteurs
Disposition	A	APD	Filtre antiparasite
Type	45SFOH56	BDS1	Module de réduction du bruit de retombée de frein
Commande	1	BID	Dispositif de contrôle de courroie
Norme	GCS212MMR	BTS	Interrupteur du ruban d'acier
Mode d'exploitation	EN81-1	CB	Bouton-poussoir interne mécanique
Entraînement	EN12015:2004	CCBL	Appel interne pour le niveau extrême inférieur
Puissance du moteur	0 KW	CCTL	Appel interne pour le niveau extrême supérieur
Machine	1.7T-2OS	CDD	Rideau infrarouge 2D
Disposition	au-dessus	CHCS	Interrupteur de coupure des appels externes
Type	OVFR03B, 401	CHS	Garde-corps en cabine
Charge nominale	630 kg	CHT	Délai d'ouverture de porte séparé pour appels internes/externes
Vitesse nominale	0.63 m/s	CPI	Indicateur de position de la cabine (éclairage de secours cabine)
Alimentation en courant		CPS	Système de détection de la position
Mise à la terre	TNC	CTTL	Lampes d'avertissement cabines
Phases	3	DCB	Bouton de fermeture de porte
Tension	400 V	DDOS	Interrupteur de suppression d'ouverture de porte
Fréquence	50 Hz	DDP	Surveillance de la durée de marche
Porte		DOB	Bouton d'ouverture de porte
Type	TLD	DOBF	Bouton d'ouverture de porte, direct
Entraînement	DO5EM	DSBD	Connecteur de pontage du circuit de porte
Tension	230 V	DTG	Tachymètre numérique 2 canaux + index
Verrouillage	---	DTP	Surveillance de temporisation porte
Portes	1	DXT	Délai ouv/ferm. portes opt.
Tableau de cabine		DZI	Indicateur de zones de porte
Nombre	1	EFS	Service d'urgence sapeurs-pompiers avec poursuite du trajet
Rangées de boutons d'appel	CBM;HBM	EPFL	Puissance étendue pour RSL (30 VCC)
Elements d'affichage		EPS	Service prioritaire (sans TTL)
Alarme et éclairage		ERO	Boîtier de rappel électrique
Type d'alarme	---	FLS	Interrupteur de fin de course
Eclairage cabine	CFL2	FPD	Contact de porte ignifugée
Frein		GTC	Contact cab. limit.
Tension de freinage	48 VDC	HB	Bouton-poussoir d'appel externe mécanique
Courant de freinage	1.65 A	HFARR	Interfaces homme/machine cage d'asc. pour la France (Flat Fixtures)
Tension de ventilateur	---	HPI	Indicateur de position extérieur (plat 7 seg. LCD avec gong)
Courant de ventilateur	---	HTTL	Lampes d'avertissement extérieur
		ISC	Service indépendant de type 1
		LIH	Eclairage de la cage d'ascenseur
		LNS	Passage à l'étage avec cabine pleine
		LW	Dispositif de surcharge
		MES	Bouton d'arrêt d'urgence dans la salle des machines
		MPD	Dispositif de protection du moteur
		MROCT	Mode d'évacuation électrique manuelle
		NDG	Fermeture de porte forcée
		NNA	Ligne neutre non disponible
		OCB	Disjoncteur moteur
		OLD	Dispositif de surcharge
		OS	Interrupteur de survitesse
		PES1	Bouton d'arrêt d'urgence cuvettes d'ascenseur
		RMG	Surveillance à distance automatique (langue, données)
		SKL	Panneau de branchement de la lumière
		SLS	Interrupteur de fin de course pour inspection montée

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2022-07-27 GCS212MMR					TRANSFER		OTIS ENGINEERING BERLIN				
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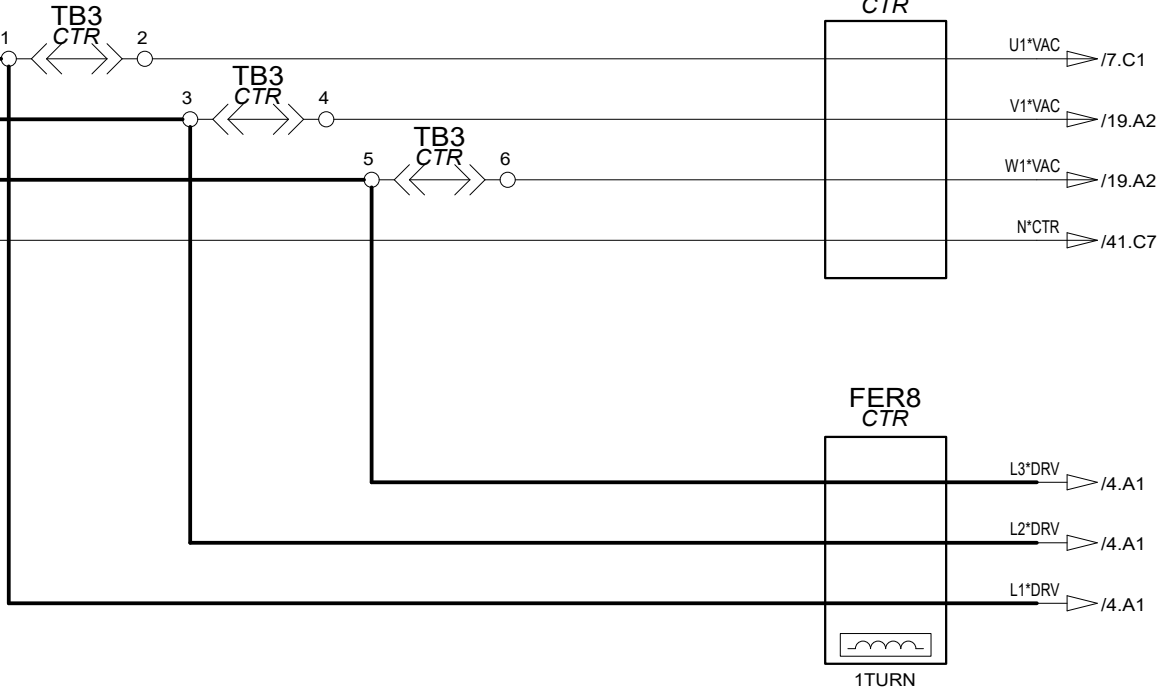
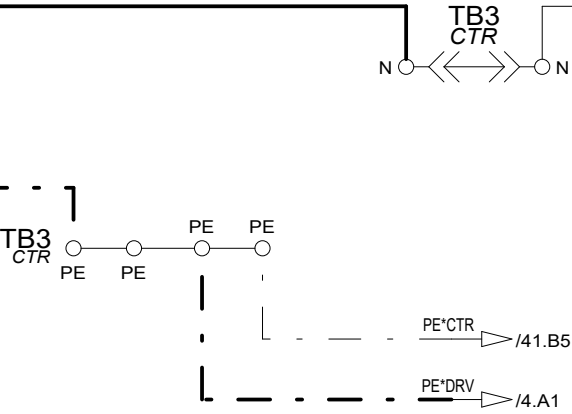
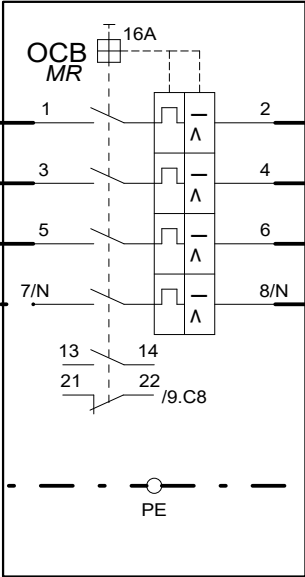
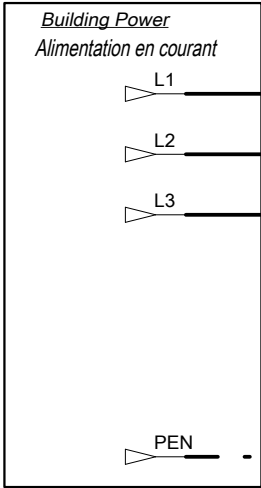
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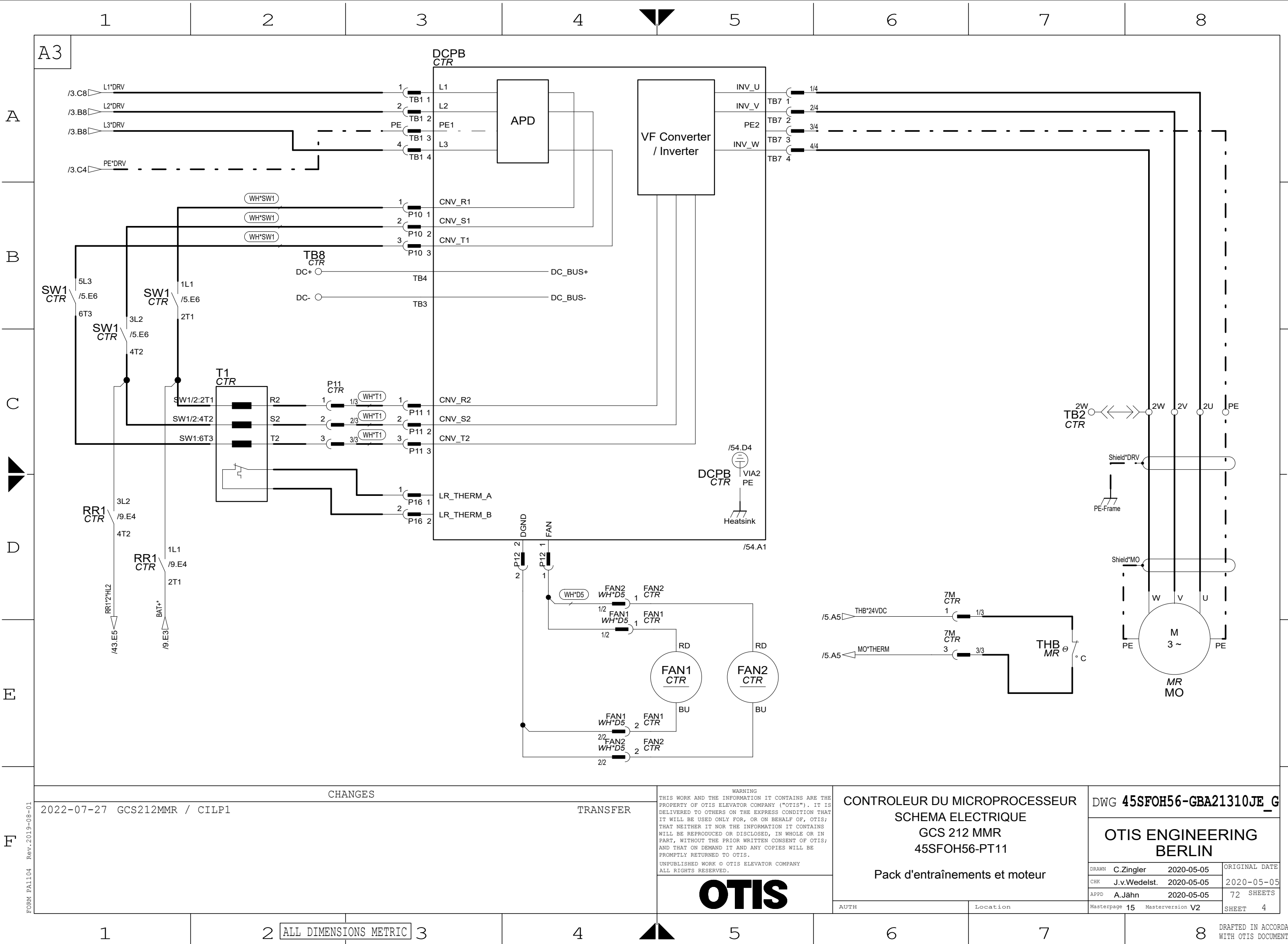
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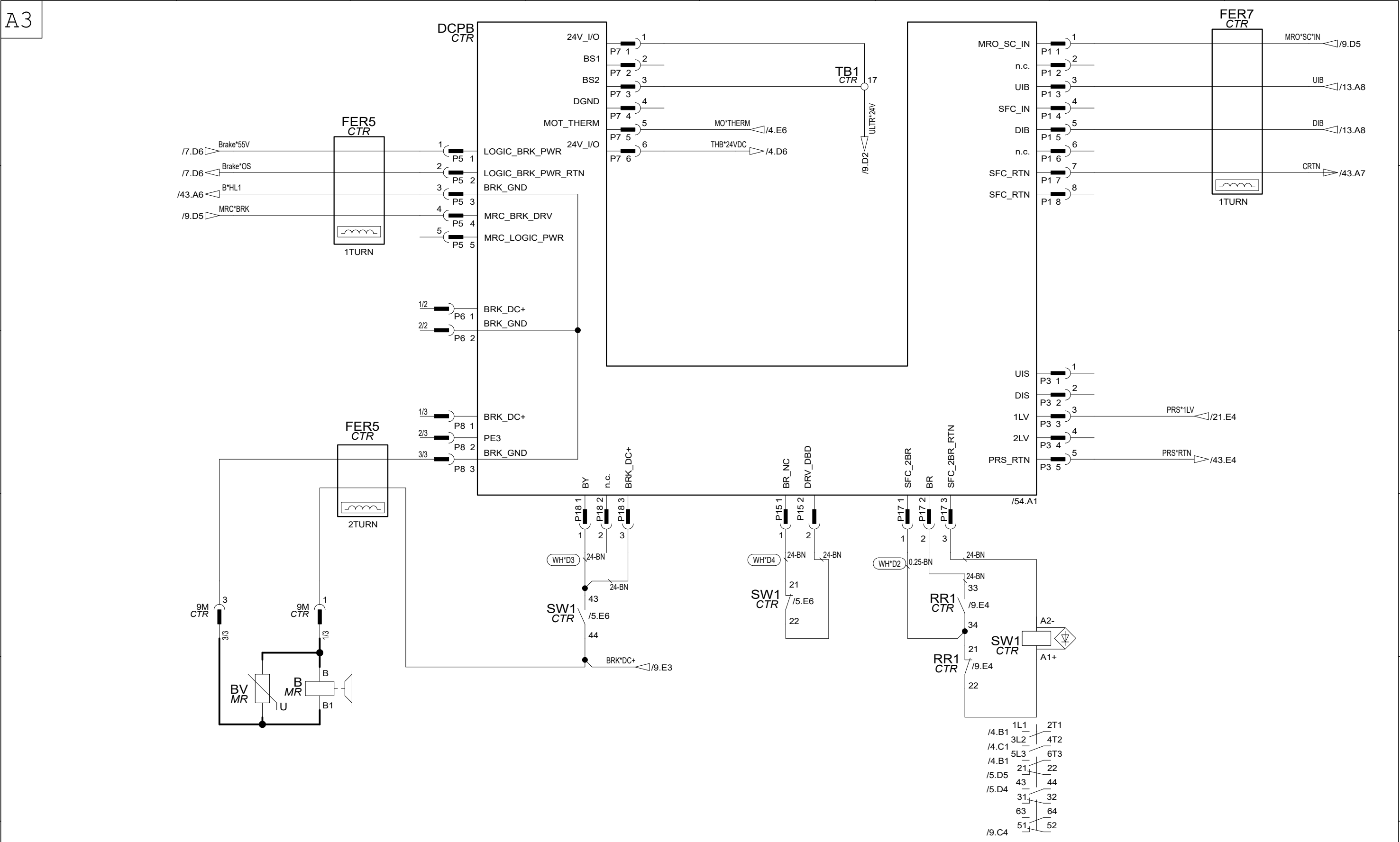
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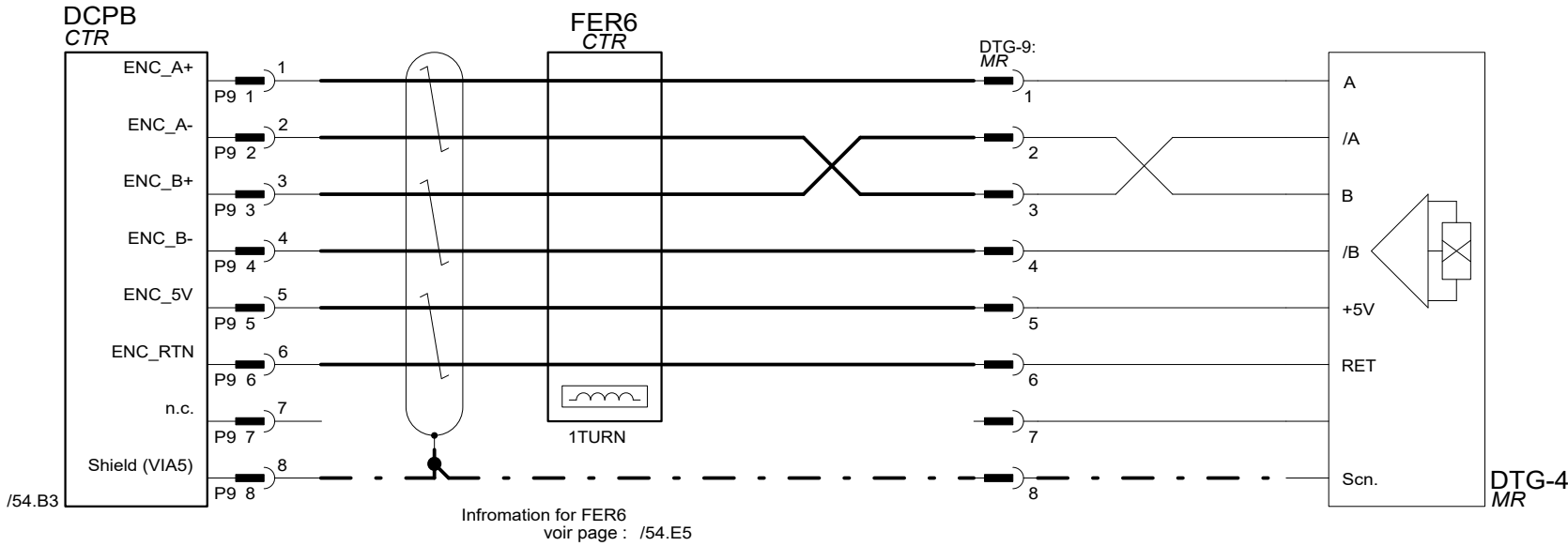
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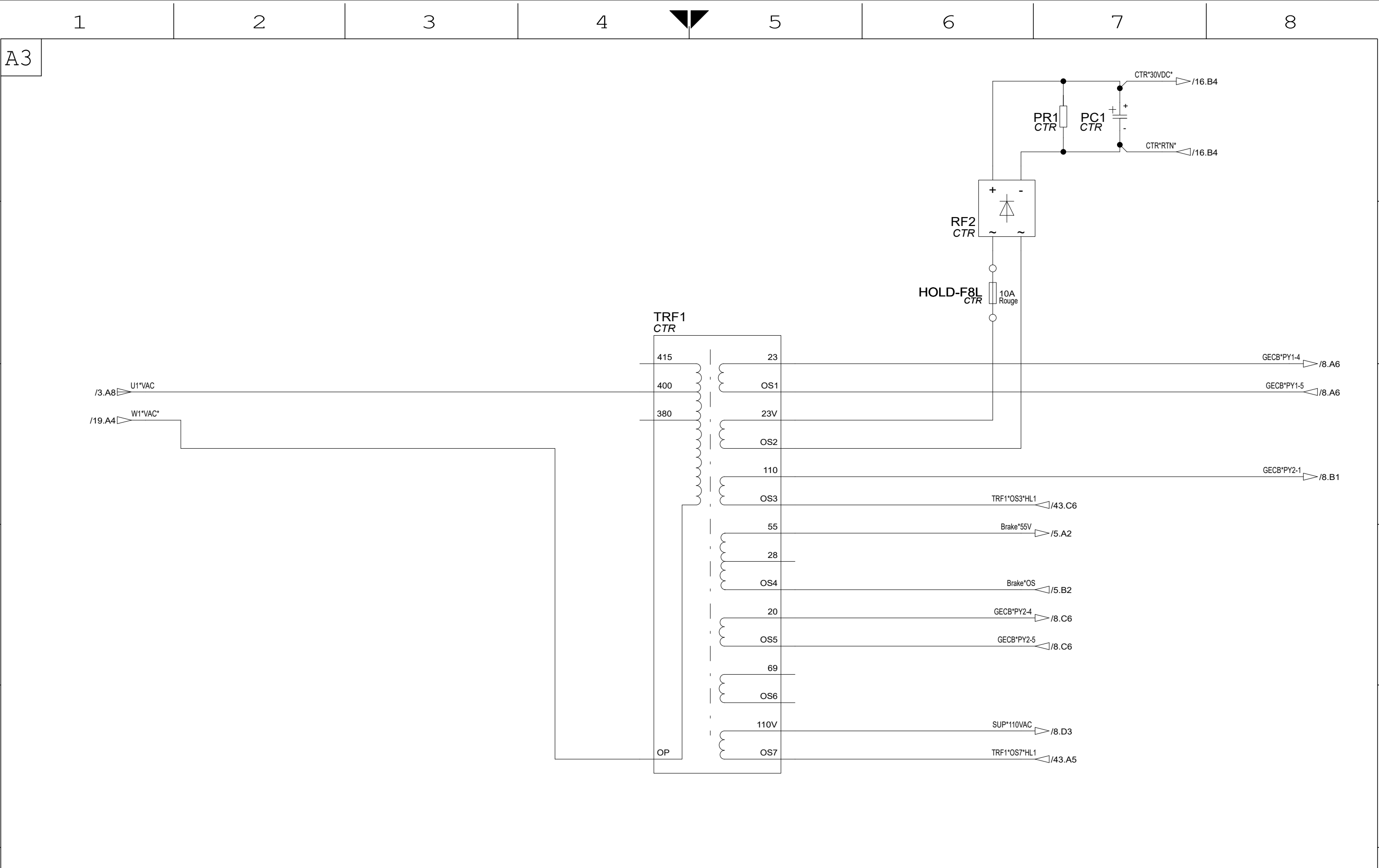
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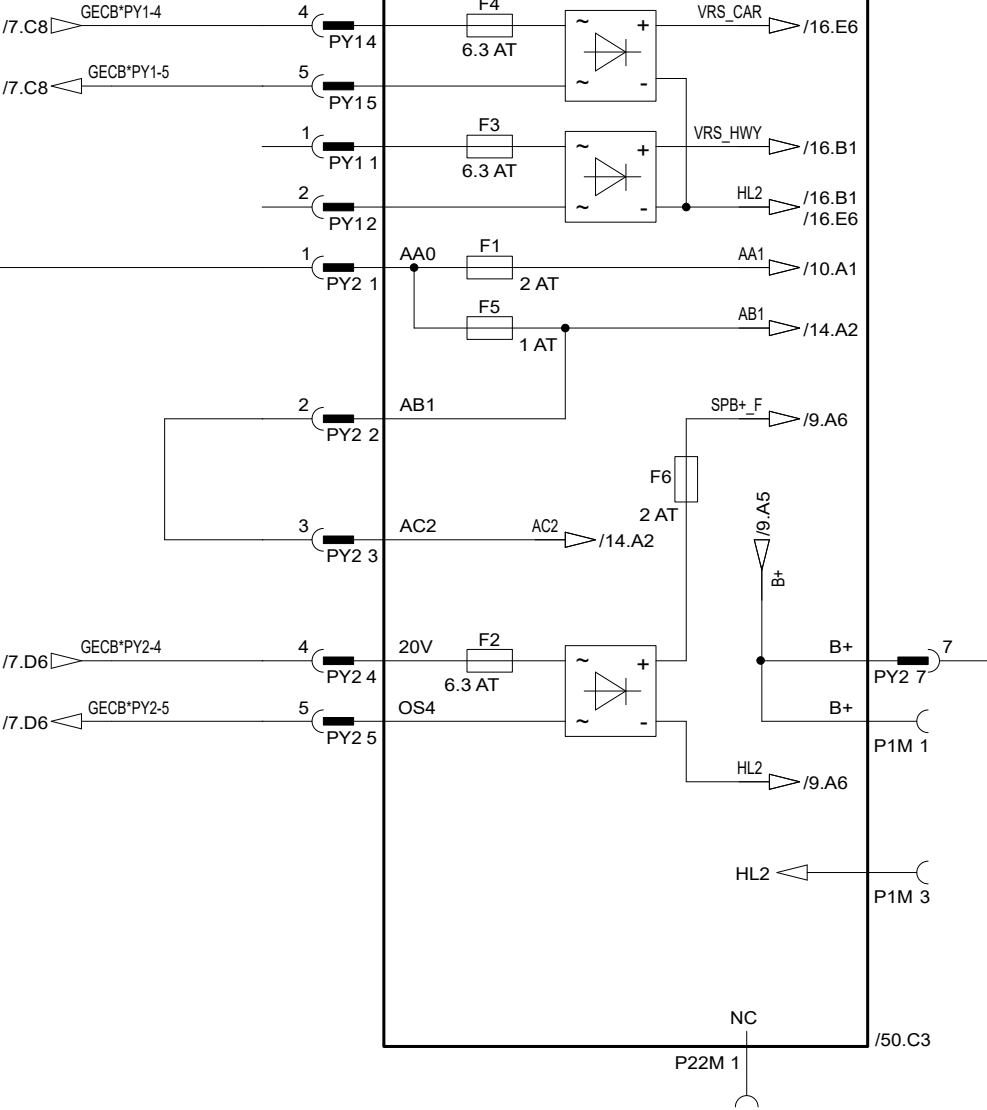
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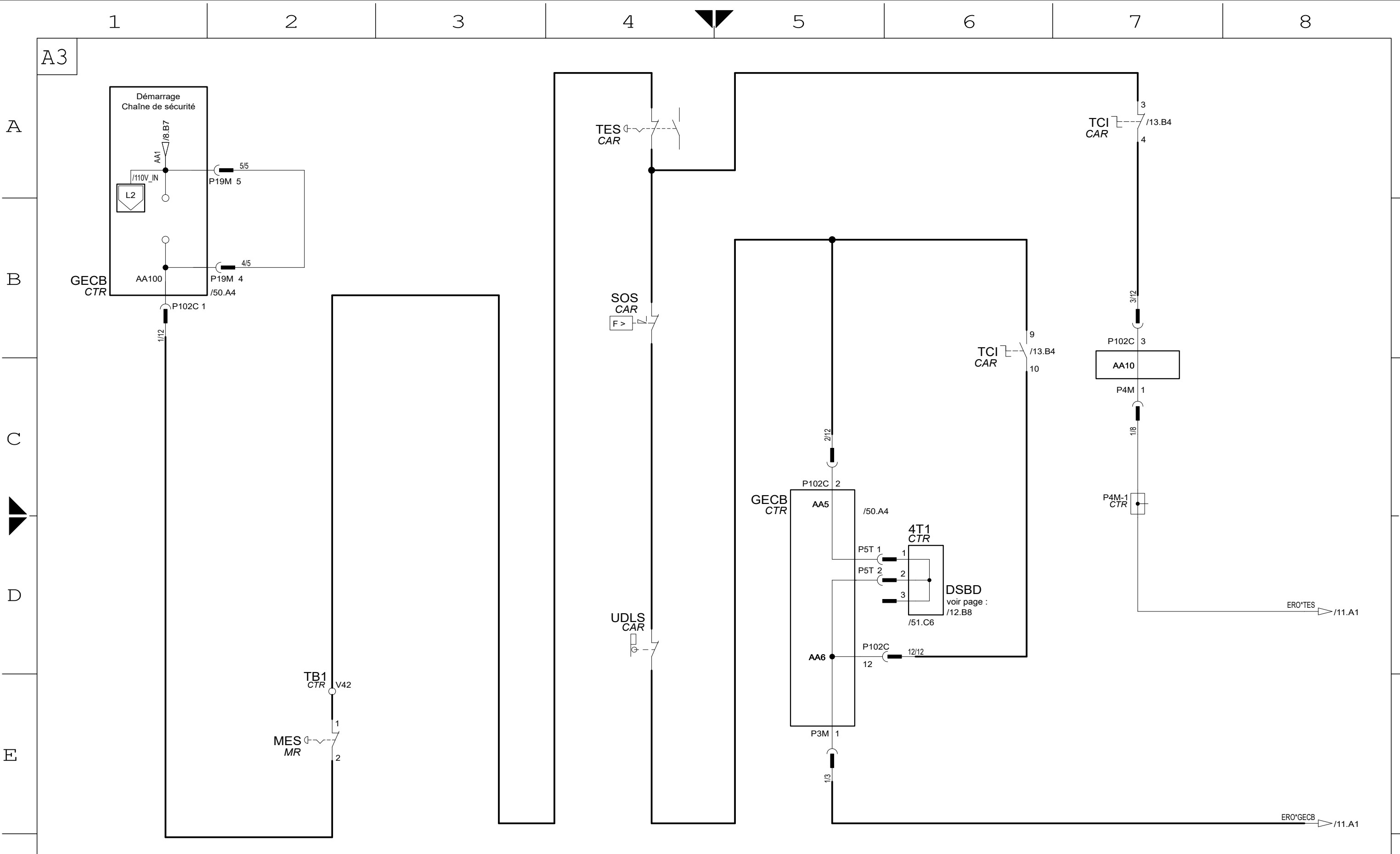
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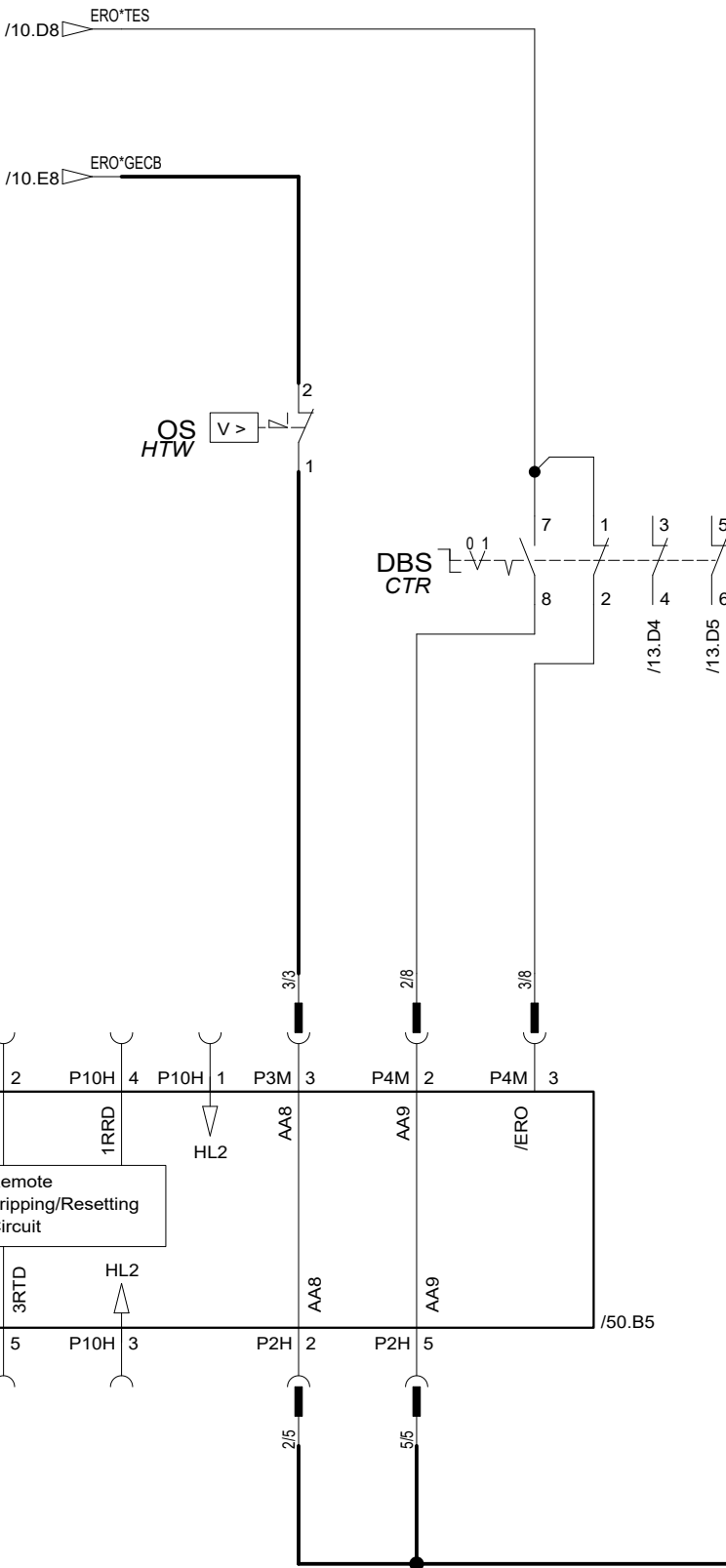
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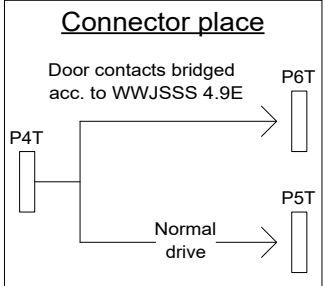
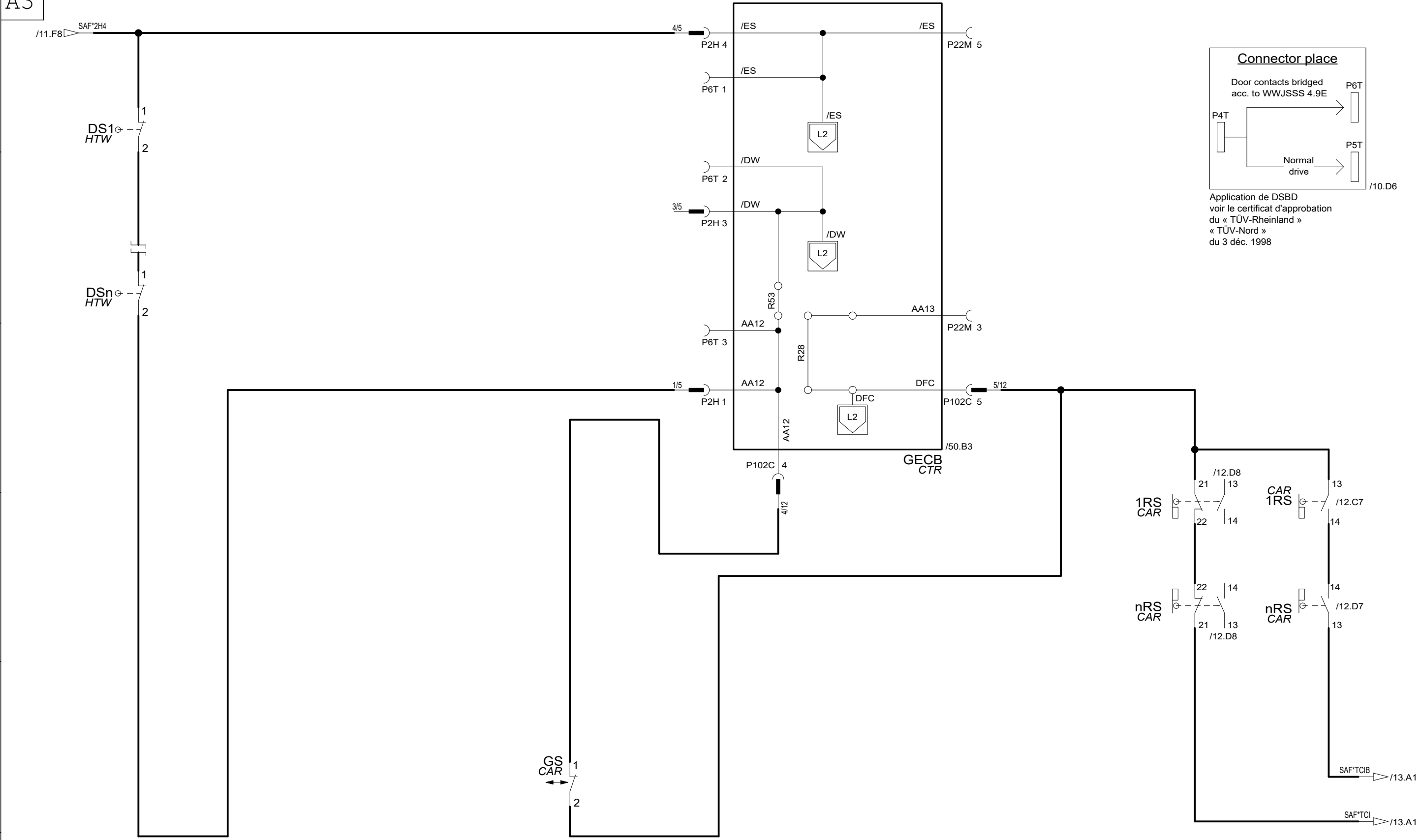
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Application de DSBD  
voir le certificat d'approbation  
du « TÜV-Rheinland »  
« TÜV-Nord »  
du 3 déc. 1998

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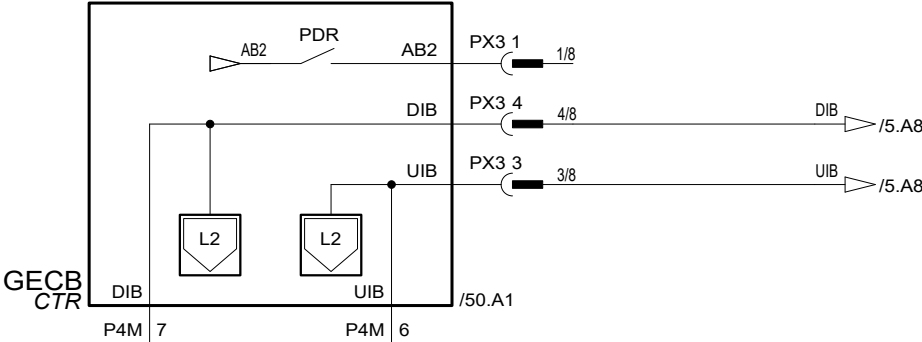
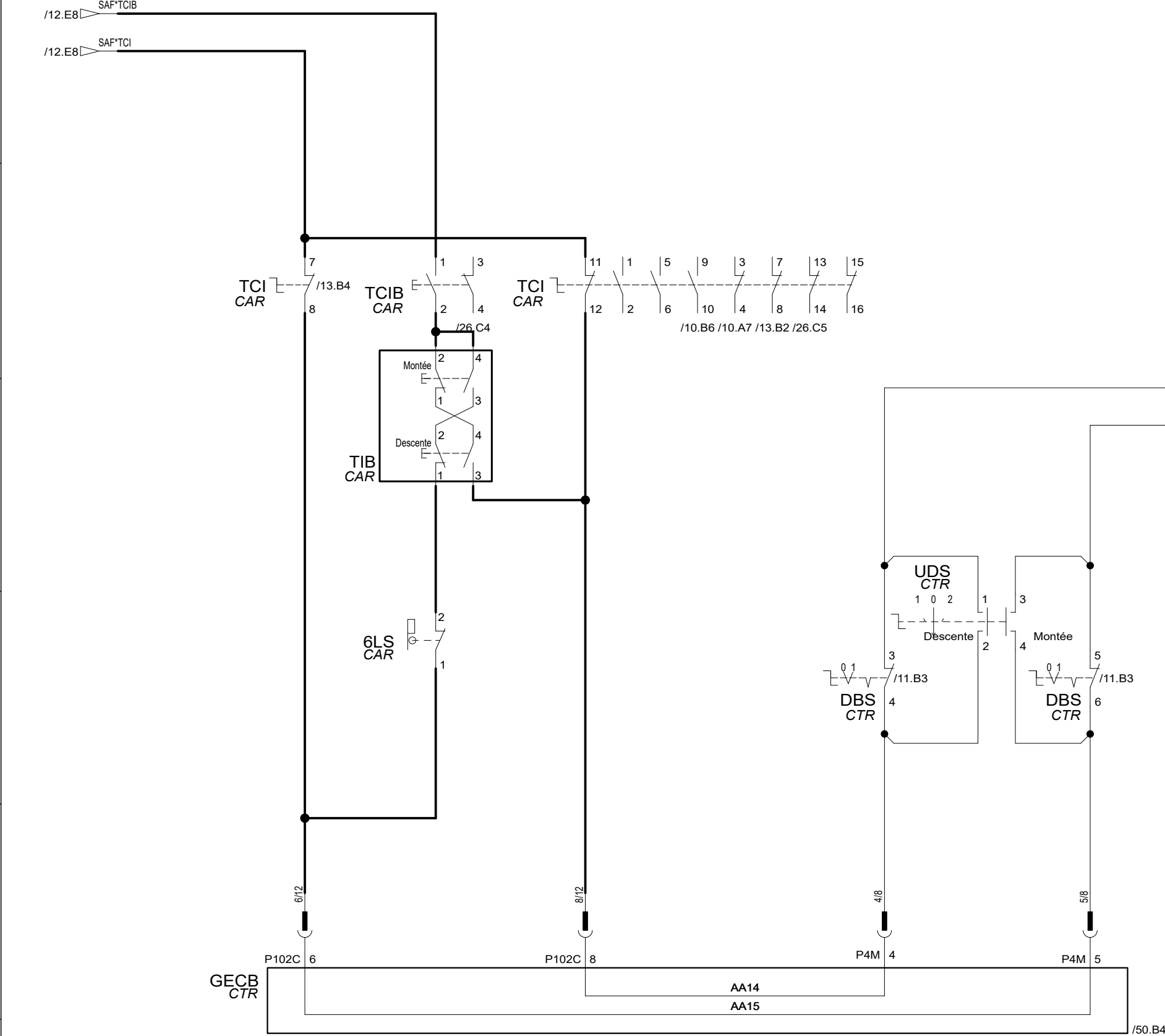
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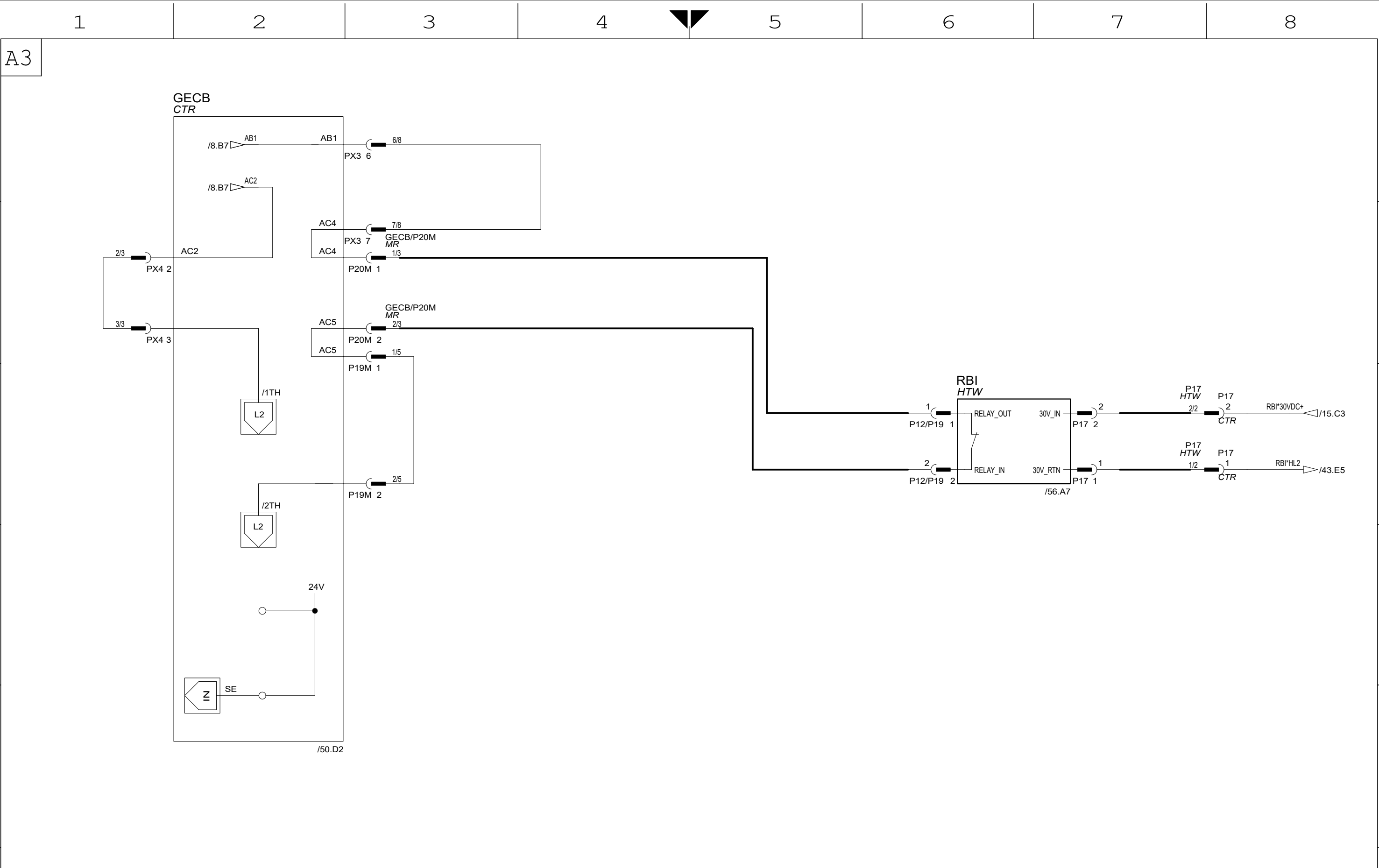


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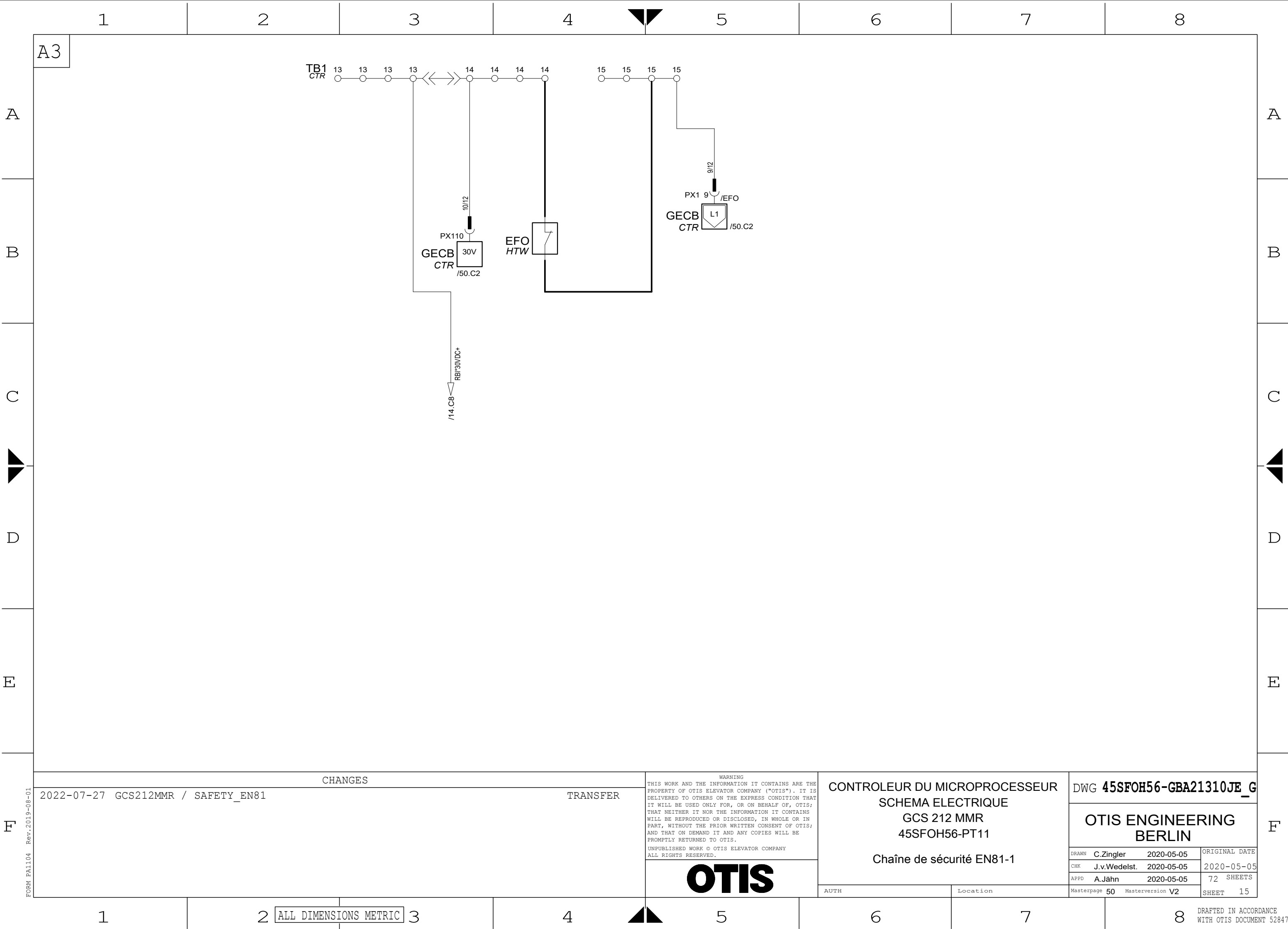


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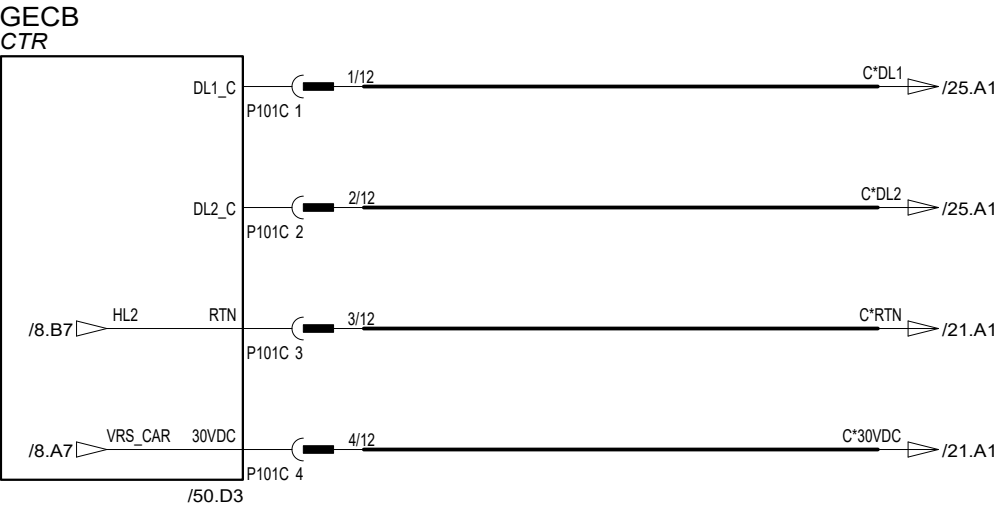
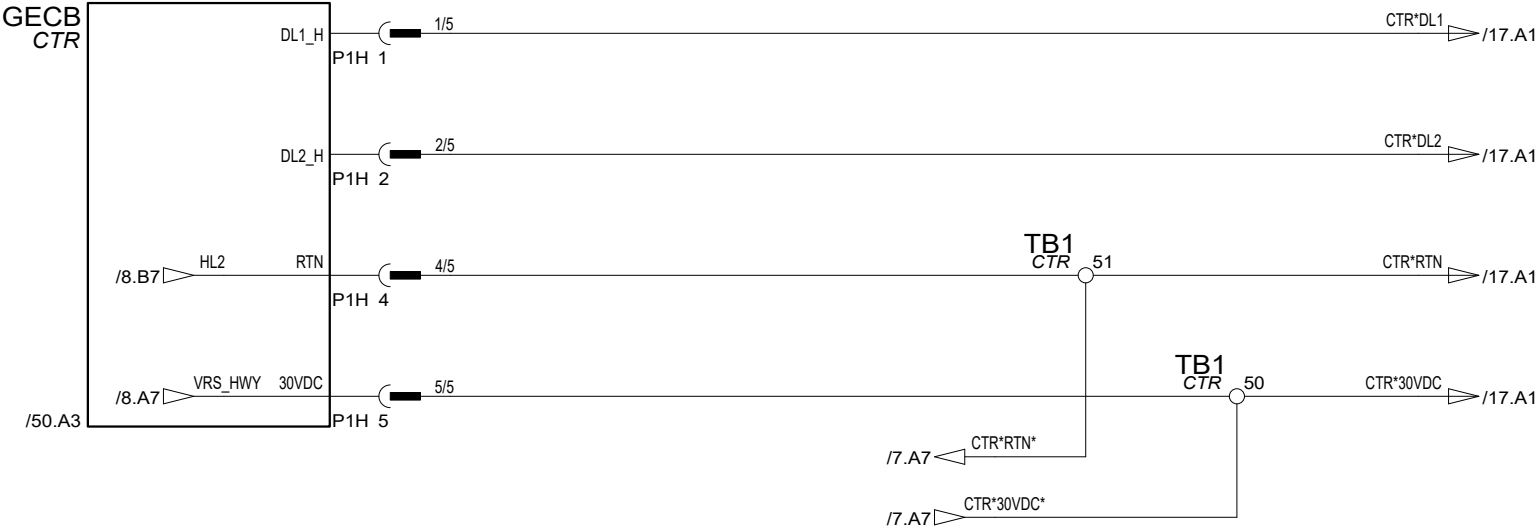
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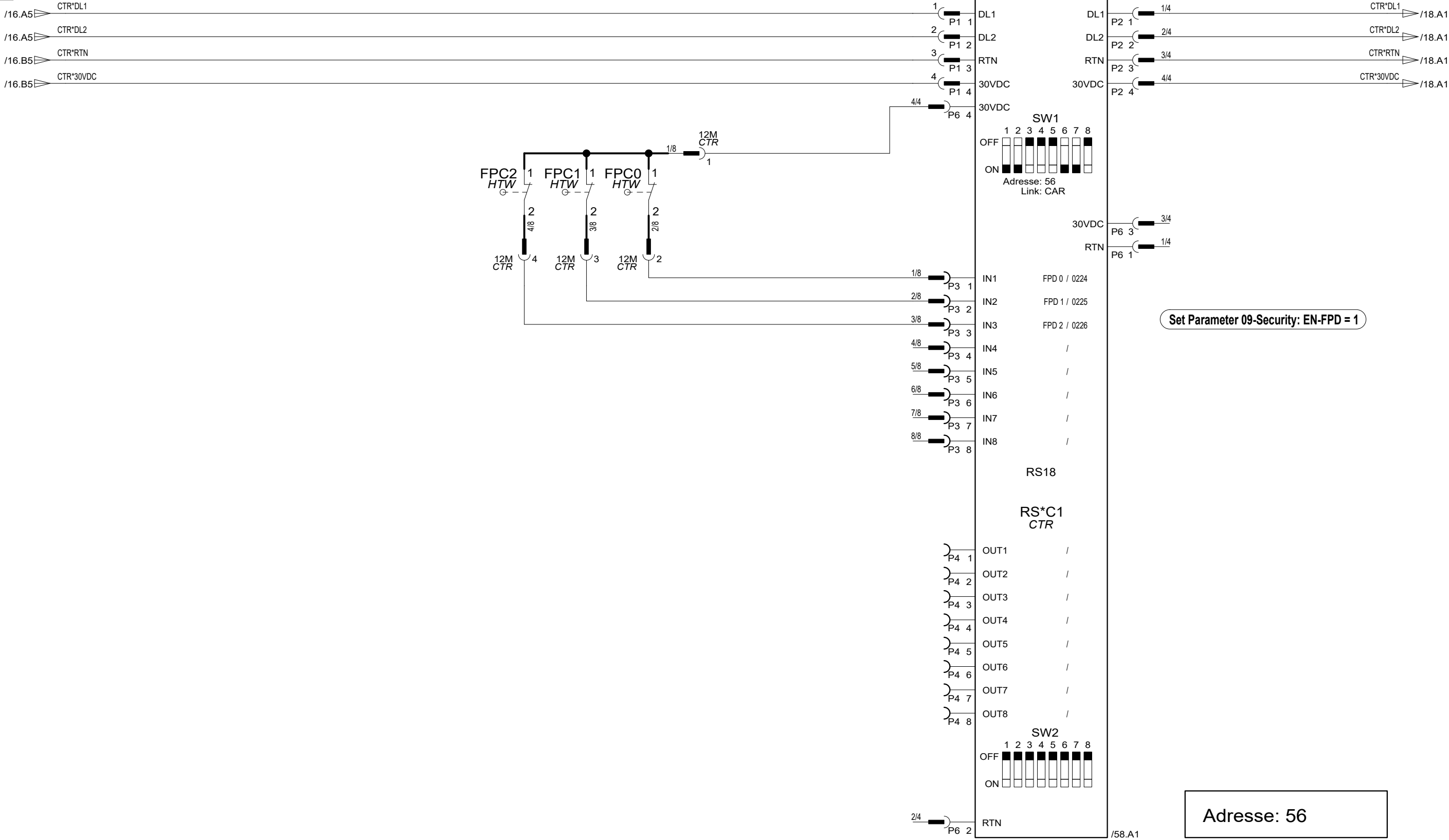
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CHANGES

2022-07-27 GCS212MMR / CONTROL

TRANSFER

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CONTROLEUR DU MICROPROCESSEUR  
SCHEMA ELECTRIQUE  
GCS 212 MMR  
45SFOH56-PT11

Contrôleur bus de données

DWG 45SFOH56-GBA21310JE\_G

OTIS ENGINEERING  
BERLIN

DRAWN	C.Zingler	2020-05-05	ORIGINAL DATE
CHK	J.v.Wedelst.	2020-05-05	2020-05-05
APPD	A.Jähn	2020-05-05	72 SHEETS
Masterpage	63	Masterversion	V2
SHEET	17		

DRAFTED IN ACCORDANCE  
WITH OTIS DOCUMENT 52847

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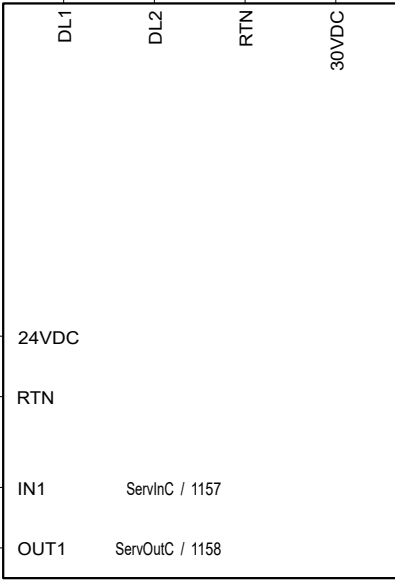
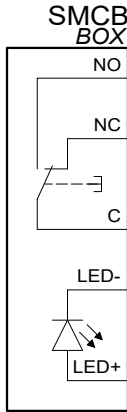
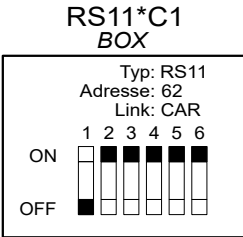
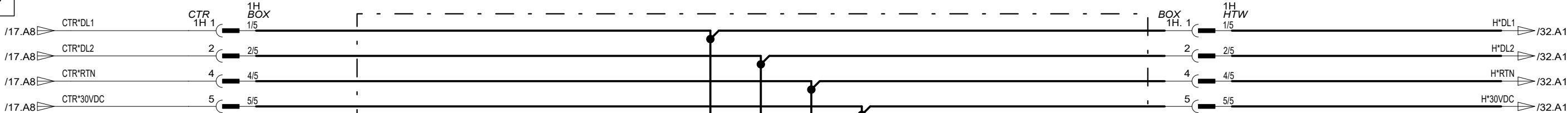
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Adresse: 62

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CHANGES

2022-07-27 GCS212MMR / CONTROL

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SCHEMA ELECTRIQUE  
GCS 212 MMR  
45SFOH56-PT11

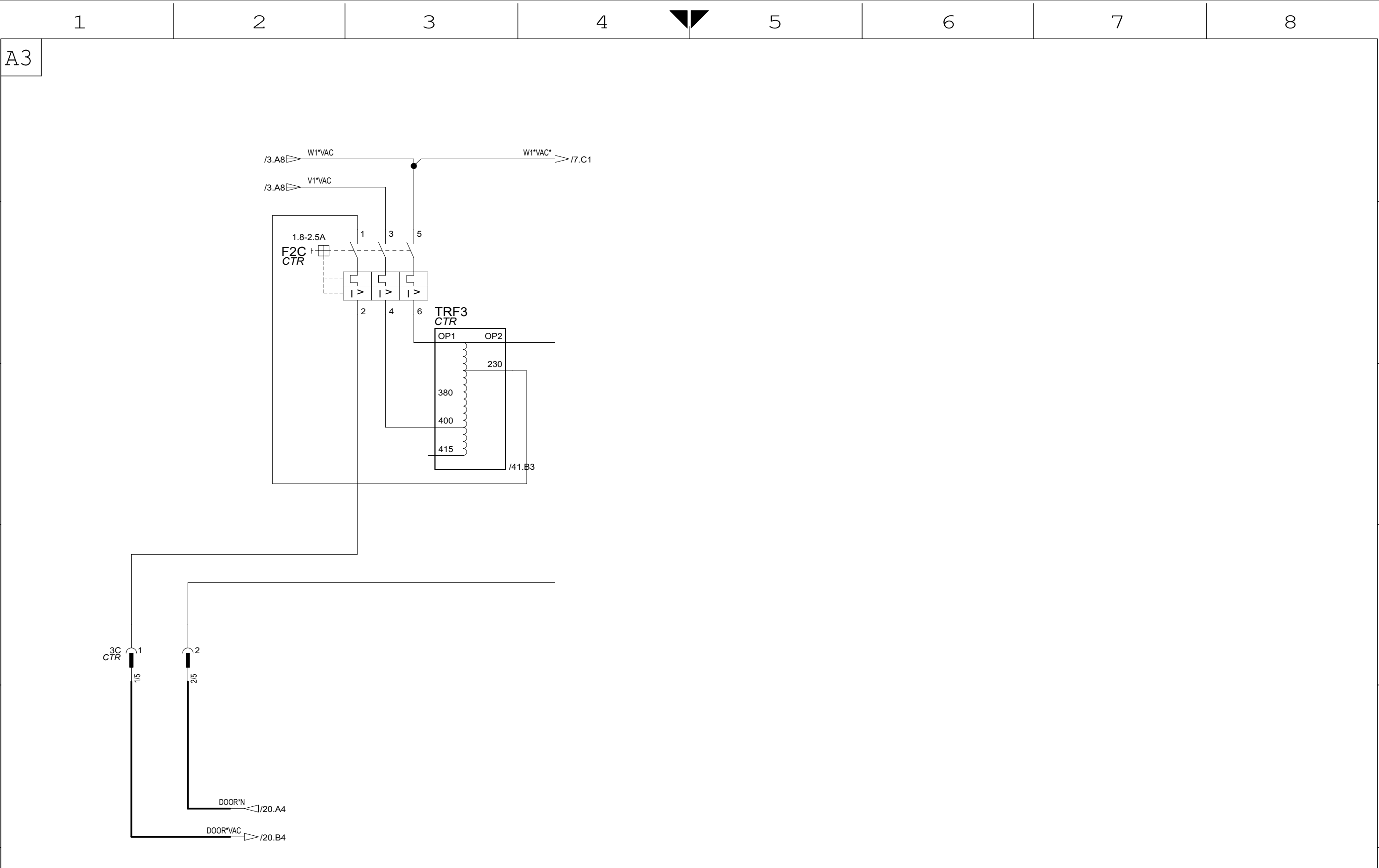
Contrôleur bus de données

DWG 45SFOH56-GBA21310JE\_G

OTIS ENGINEERING  
BERLIN

DRAWN	C.Zingler	2020-05-05	ORIGINAL DATE
CHK	J.v.Wedelst.	2020-05-05	2020-05-05
APPD	A.Jähn	2020-05-05	72 SHEETS
Masterpage	71	Masterversion	V2
SHEET	18		

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CHANGES	
2022-07-27	GCS212MMR / DOOR
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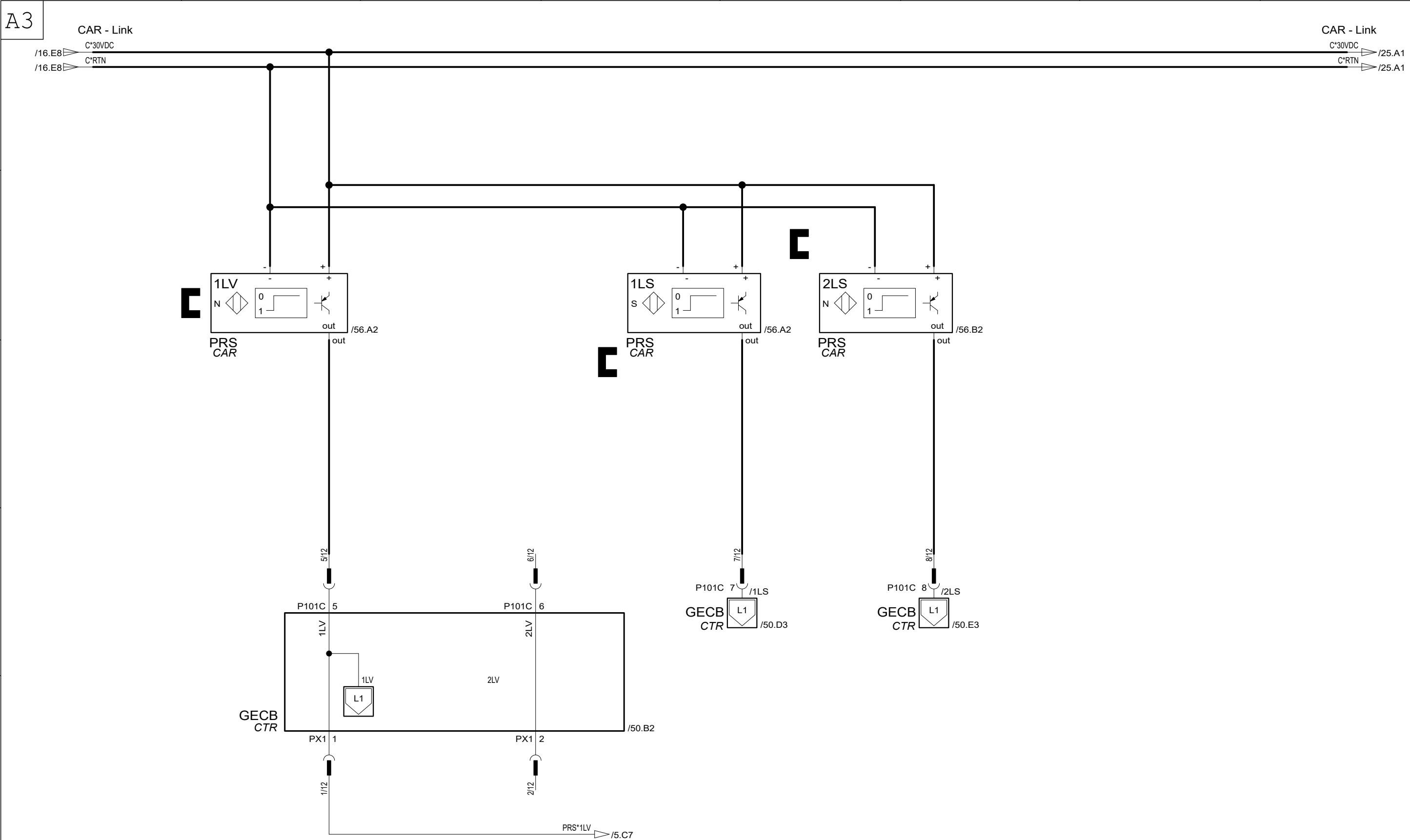
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CONTROLEUR DU MICROPROCESSEUR SCHEMA ELECTRIQUE GCS 212 MMR 45SFOH56-PT11  Tension d'alimentation		DWG <b>45SFOH56-GBA21310JE_G</b>	
		OTIS ENGINEERING BERLIN	
DRAWN	C.Zingler	2020-05-05	ORIGINAL DATE
CHK	J.v.Wedelst.	2020-05-05	2020-05-05
APPD	A.Jähn	2020-05-05	72 SHEETS
AUTH		Location	
Masterpage		78	Masterversion V2
		SHEET 19	

ALL DIMENSIONS METRIC

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		CHANGES				WARNING		CONTROLEUR DU MICROPROCESSEUR		DWG 45SFOH56-GBA21310J			
2022-07-27		GCS212MMR / LWPRS		TRANSFER		THIS WORK AND THE INFORMATION IT CONTAINS ARE THE PROPERTY OF OTIS ELEVATOR COMPANY ("OTIS"). IT IS DELIVERED TO OTHERS ON THE EXPRESS CONDITION THAT IT WILL BE USED ONLY FOR, OR ON BEHALF OF, OTIS; THAT NEITHER IT NOR THE INFORMATION IT CONTAINS WILL BE REPRODUCED OR DISCLOSED, IN WHOLE OR IN PART, WITHOUT THE PRIOR WRITTEN CONSENT OF OTIS; AND THAT ON DEMAND IT AND ANY COPIES WILL BE PROMPTLY RETURNED TO OTIS.		SCHEMA ELECTRIQUE					
						UNPUBLISHED WORK © OTIS ELEVATOR COMPANY ALL RIGHTS RESERVED.		GCS 212 MMR					
								45SFOH56-PT11		OTIS ENGINEERING BERLIN			
								Mesure de la charge et de la position		DRAWN C.Zingler 2020-05-05		ORIGINAL DATE	
										CHK J.v.Wedelst. 2020-05-05		2020-05-05	
										APPD A.Jähn 2020-05-05		72 SHEETS	
								AUTH		Location		Masterpage 125 Masterversion V2	SHEET 21

ALL DIMENSIONS METRIC

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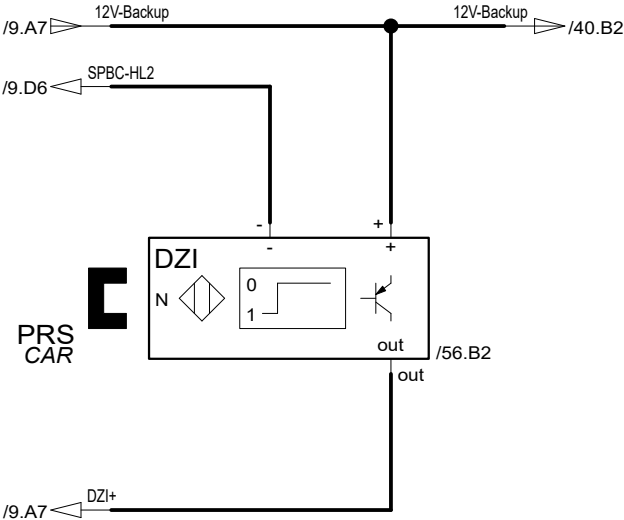
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CHANGES

2022-07-27 GCS212MMR / LWPRS

TRANSFER

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CONTROLEUR DU MICROPROCESSEUR  
SCHEMA ELECTRIQUE  
GCS 212 MMR  
45SFOH56-PT11

Mesure de la charge et de la position

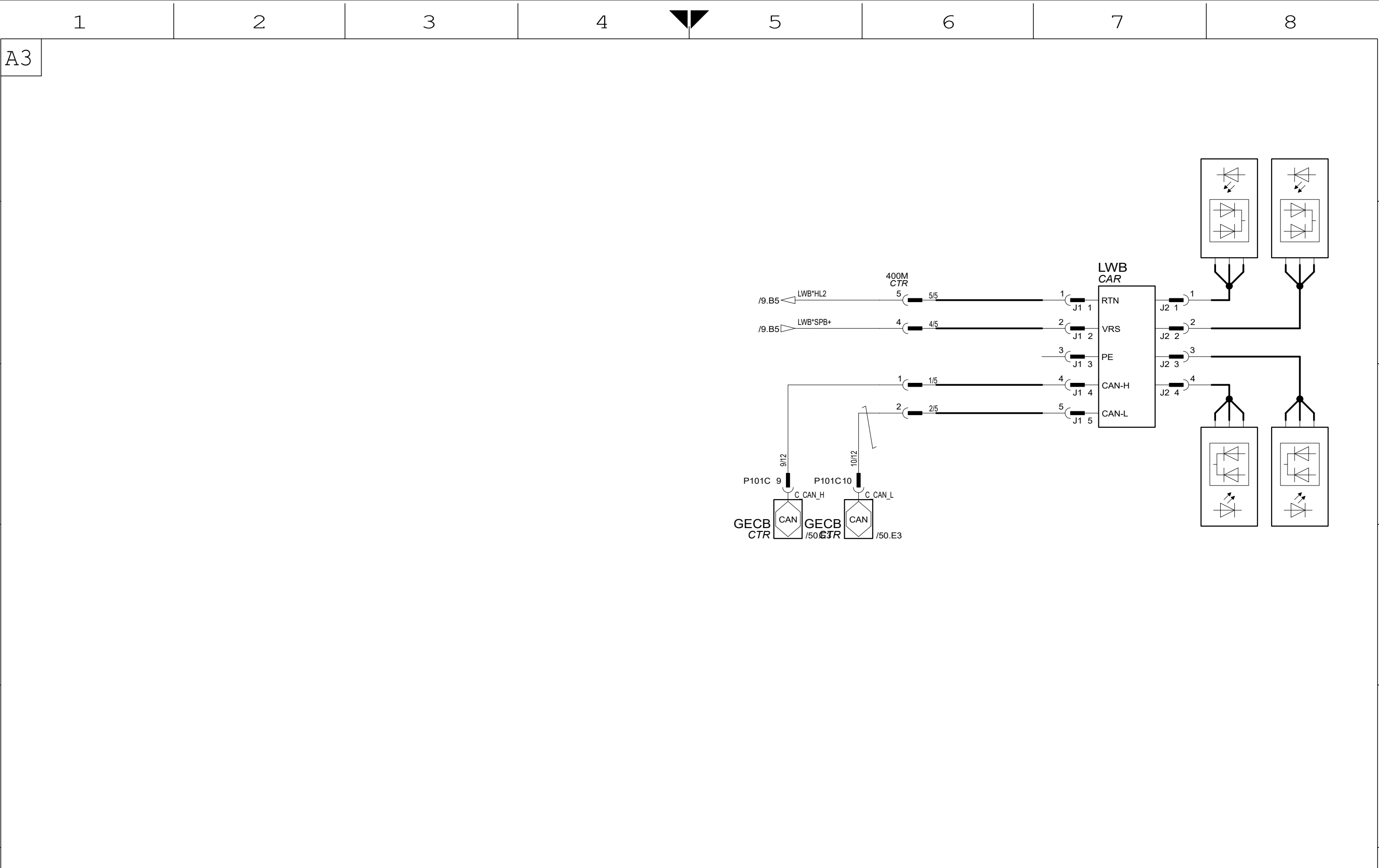
DWG 45SFOH56-GBA21310JE\_G

OTIS ENGINEERING  
BERLIN

DRAWN	C.Zingler	2020-05-05	ORIGINAL DATE
CHK	J.v.Wedelst.	2020-05-05	2020-05-05
APPD	A.Jähn	2020-05-05	72 SHEETS
Masterpage	130	Masterversion V2	SHEET 22

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2022-07-27			GCS212MMR / LWPRS						OTIS ENGINEERING BERLIN			
									DRAWN C.Zingler 2020-05-05		ORIGINAL DATE	
									CHK J.v.Wedelst. 2020-05-05		2020-05-05	
									APPD A.Jähn 2020-05-05		72 SHEETS	
						AUTH			Location		Masterpage 132 Masterversion V2	
											SHEET 23	



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2022-07-27 GCS212MMR / CAR_EN81						TRANSFER		OTIS ENGINEERING BERLIN	
								DRAWN C.Zingler 2020-05-05	ORIGINAL DATE
								CHK J.v.Wedelst. 2020-05-05	2020-05-05
				APPD A.Jahn 2020-05-05		72 SHEETS			
				Masterpage 133 Masterversion V2		SHEET 24			

ALL DIMENSIONS METRIC

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A3

CAR - Link

/16.D8 C\*DL1  
/16.D8 C\*DL2  
/21.A8 C\*RTN  
/21.A8 C\*30VDC

CAR - Link

C\*DL1 /26.A1  
C\*DL2 /26.A1  
C\*RTN /26.A1  
C\*30VDC /26.A1

TDOS  
CAR

1 P1 3 24VDC  
3 P1 1 RTN  
3 P2 3 24VDC  
1 P2 1 RTN  
3 P3 3 24VDC  
1 P3 1 RTN  
3 P4 3 24VDC  
1 P4 1 RTN

DL1 P6 1  
DL2 P6 2  
RTN P6 3  
30VDC P6 4

RS\*C13  
CAR

Adresse: 18  
Link: CAR

ON 1 2 3 4 5 6  
OFF

RS14

4 P4 4 OUT4 SSM4 / 0650  
2 P4 2 IN4 TDCB / 0706  
4 P3 4 OUT3 SSM3 / 0649  
2 P3 2 IN3 TDOB / 0705  
4 P2 4 OUT2 SSM2 / 0648  
2 P2 2 IN2 /  
4 P1 4 OUT1 SSM1 / 0647  
2 P1 2 IN1 /

Adresse: 18

/60.A2

CHANGES

2022-07-27 GCS212MMR / CAR\_EN81

TRANSFER

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SCHEMA ELECTRIQUE  
GCS 212 MMR  
45SFOH56-PT11

Cabine bus de données EN81-1

DWG 45SFOH56-GBA21310JE\_G

OTIS ENGINEERING  
BERLIN

DRAWN	C.Zingler	2020-05-05	ORIGINAL DATE
CHK	J.v.Wedelst.	2020-05-05	2020-05-05
APPD	A.Jähn	2020-05-05	72 SHEETS
Masterpage	134	Masterversion	V2
SHEET	25		

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ALL DIMENSIONS METRIC

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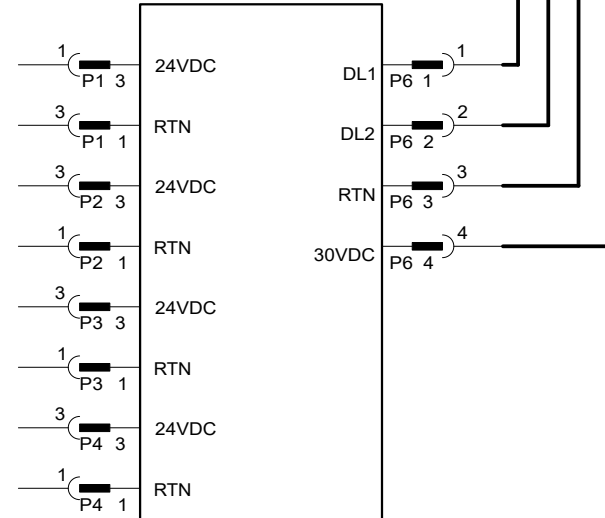
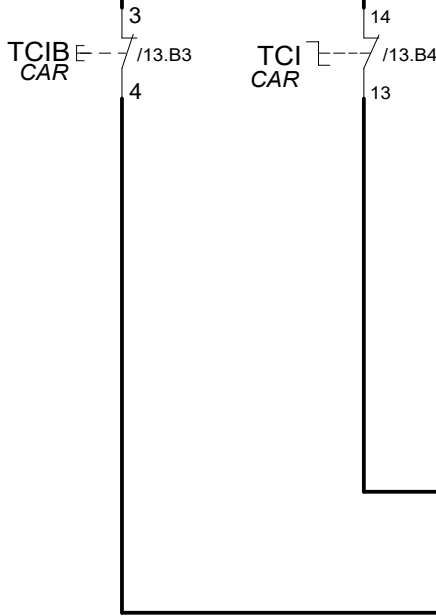
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CAR - Link

/25.A8 C\*DL1  
/25.A8 C\*DL2  
/25.A8 C\*RTN  
/25.A8 C\*30VDC

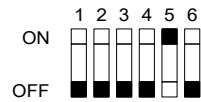
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C\*DL2 /27.A1  
C\*RTN /27.A1  
C\*30VDC /27.A1

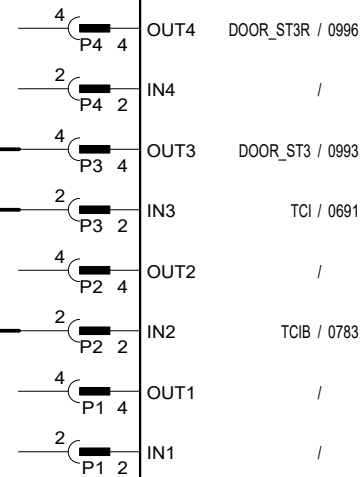


RS\*C15  
CAR

Adresse: 16  
Link: CAR



RS14



Adresse: 16

CHANGES

2022-07-27 GCS212MMR / CAR\_EN81

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SCHEMA ELECTRIQUE  
GCS 212 MMR  
45SFOH56-PT11

Cabine bus de données EN81-1

DWG 45SFOH56-GBA21310JE\_G

OTIS ENGINEERING  
BERLIN

DRAWN	C.Zingler	2020-05-05	ORIGINAL DATE
CHK	J.v.Wedelst.	2020-05-05	2020-05-05
APPD	A.Jähn	2020-05-05	72 SHEETS
Masterpage	135	Masterversion	V2
SHEET	26		

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WITH OTIS DOCUMENT 52847

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A3

CAR - Link

/26.A8 C\*DL1  
/26.A8 C\*DL2  
/26.A8 C\*RTN  
/26.A8 C\*30VDC

CAR - Link

C\*DL1 /28.A1  
C\*DL2 /28.A1  
C\*RTN /28.A1  
C\*30VDC /28.A1

/20.B7 DCSS\*24VDC

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/20.C7 DCSS\*REV

/20.D7 DCSS\*ST2  
/20.E7 DCSS\*DOS  
/20.D7 DCSS\*ST1

/20.E7 DCSS\*DOL

1 P1 3 24VDC  
3 P1 1 RTN  
3 P2 3 24VDC  
1 P2 1 RTN  
3 P3 3 24VDC  
1 P3 1 RTN  
3 P4 3 24VDC  
1 P4 1 RTN

DL1 P6 1  
DL2 P6 2  
RTN P6 3  
30VDC P6 4

RS\*C17  
CAR

Adresse: 17  
Link: CAR

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OFF

RS14

4 P4 4 OUT4 DOOR\_ST2 / 0992  
2 P4 2 IN4 DOS / SGS / 0605  
4 P3 4 OUT3 DOOR\_ST1 / 0991  
2 P3 2 IN3 LRD / 0607  
4 P2 4 OUT2 /  
2 P2 2 IN2 /  
4 P1 4 OUT1 /  
2 P1 2 IN1 DOL / 0000

Adresse: 17

/60.A6

CHANGES

2022-07-27 GCS212MMR / CAR\_EN81

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SCHEMA ELECTRIQUE  
GCS 212 MMR  
45SFOH56-PT11

Cabine bus de données EN81-1

DWG 45SFOH56-GBA21310JE\_G

OTIS ENGINEERING  
BERLIN

DRAWN	C.Zingler	2020-05-05	ORIGINAL DATE
CHK	J.v.Wedelst.	2020-05-05	2020-05-05
APPD	A.Jähn	2020-05-05	72 SHEETS
Masterpage	137	Masterversion	V2
SHEET	27		

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ALL DIMENSIONS METRIC

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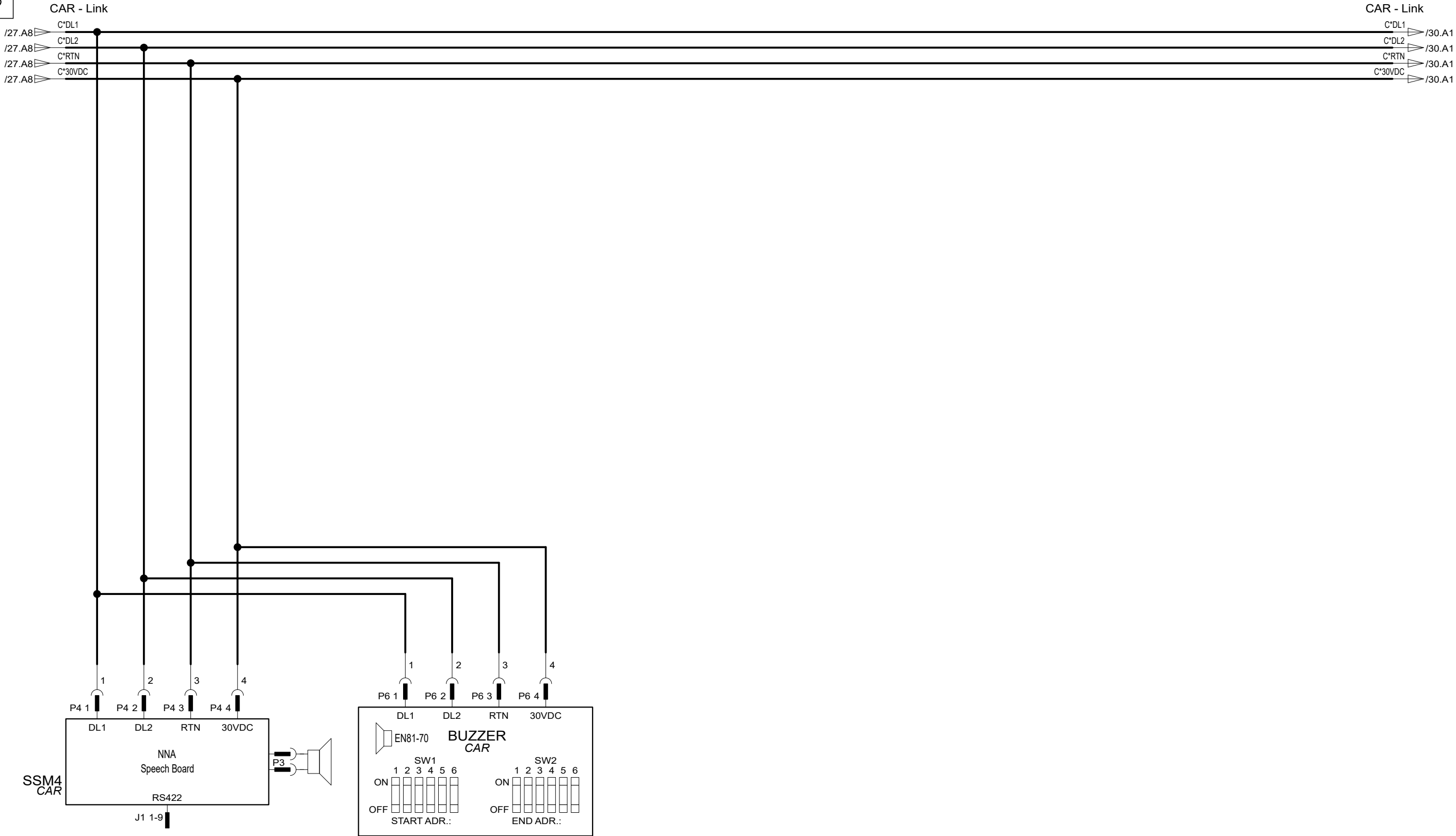
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CHANGES

2022-07-27 GCS212MMR / CAR

TRANSFER

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SCHEMA ELECTRIQUE  
GCS 212 MMR  
45SFOH56-PT11

Cabine bus de données

DWG 45SFOH56-GBA21310JE\_G

OTIS ENGINEERING  
BERLIN

DRAWN	C.Zingler	2020-05-05	ORIGINAL DATE
CHK	J.v.Wedelst.	2020-05-05	2020-05-05
APPD	A.Jähn	2020-05-05	72 SHEETS
Masterpage	147	Masterversion V2	SHEET 28

ALL DIMENSIONS METRIC

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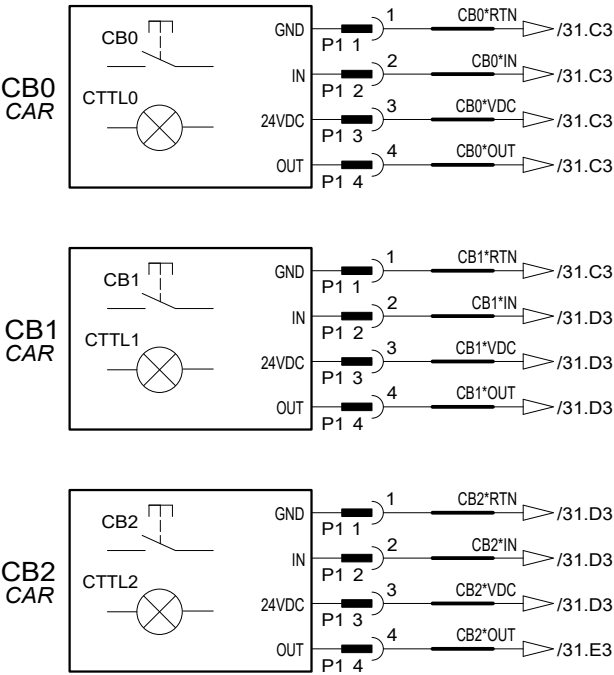
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CAR - Link

/28.A8 C\*DL1  
/28.A8 C\*DL2  
/28.A8 C\*RTN  
/28.A8 C\*30VDC

CAR - Link

C\*DL1 /31.A1  
C\*DL2 /31.A1  
C\*RTN /31.A1  
C\*30VDC /31.A1

Adresse: 8

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CAR

Typ: RS14					
Adresse: 8					
Link: CAR					
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FORM PA1104 Rev.2019-08-01

CHANGES

2022-07-27 GCS212MMR / CAR

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SCHEMA ELECTRIQUE  
GCS 212 MMR  
45SFOH56-PT11

Cabine bus de données

DWG 45SFOH56-GBA21310JE\_G

OTIS ENGINEERING  
BERLIN

DRAWN	C.Zingler	2020-05-05	ORIGINAL DATE
CHK	J.v.Wedelst.	2020-05-05	2020-05-05
APPD	A.Jähn	2020-05-05	72 SHEETS
Masterpage	151	Masterversion V2	SHEET 30

ALL DIMENSIONS METRIC

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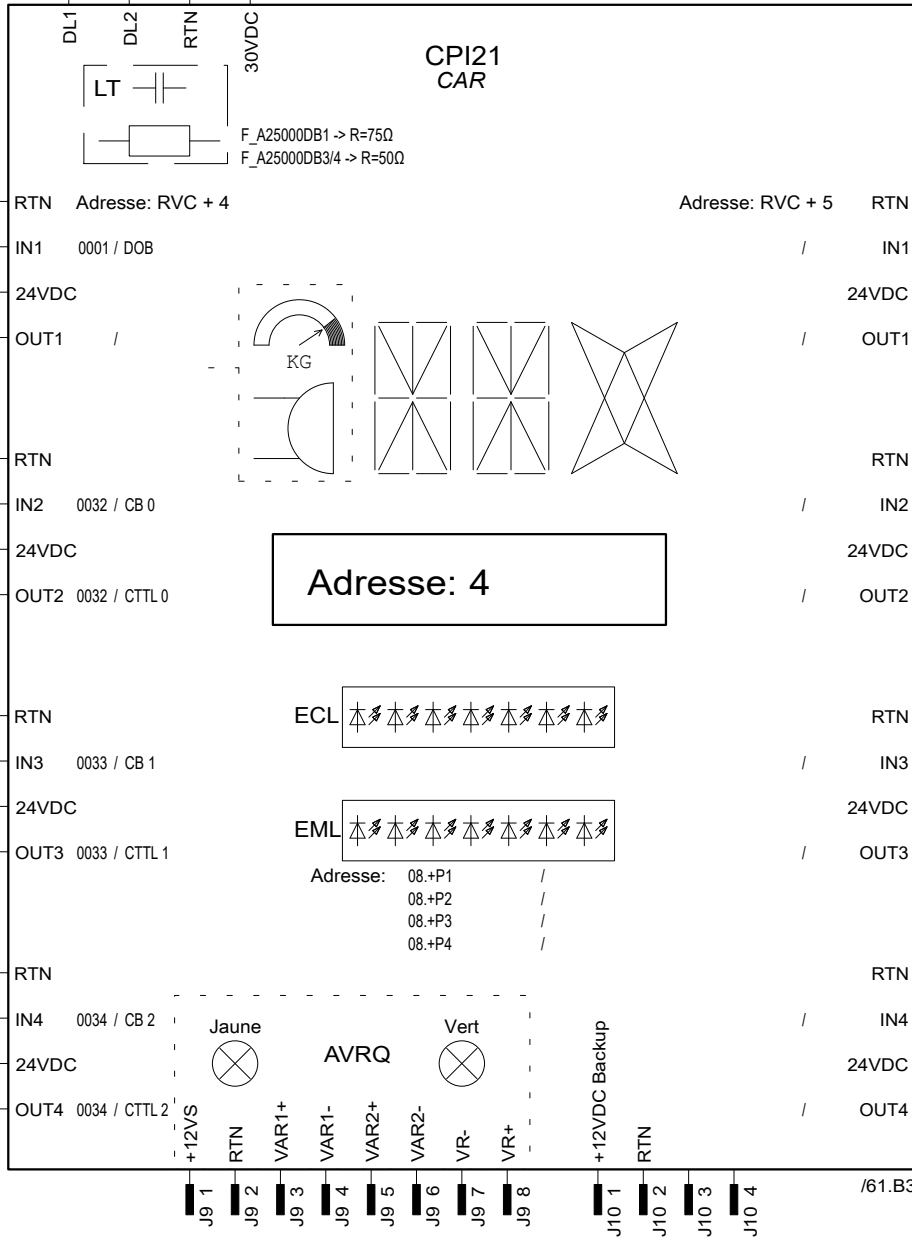
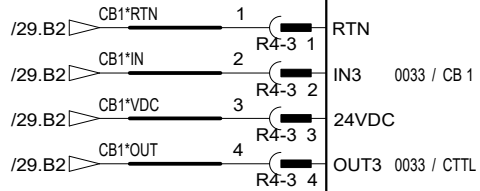
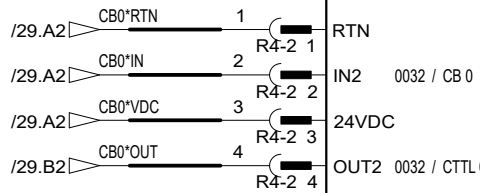
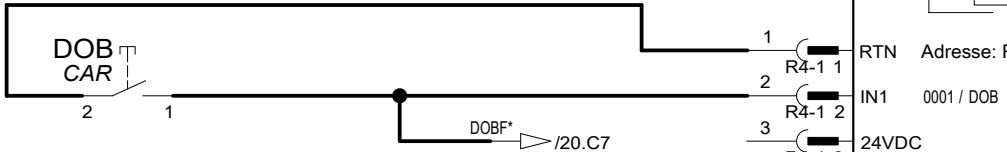
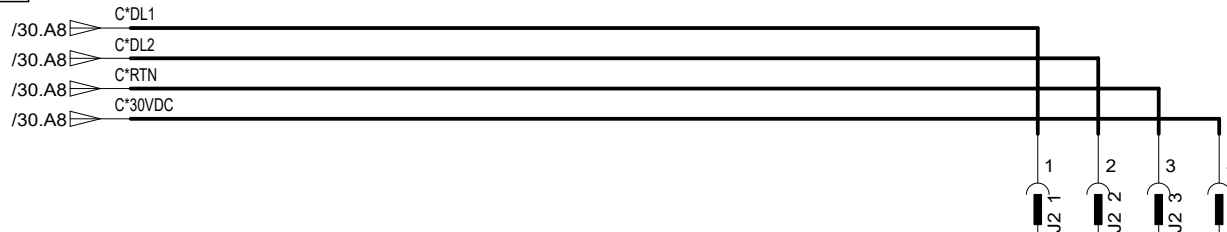
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CAR - Link



CHANGES

2022-07-27 GCS212MMR / CAR

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OTIS

CONTROLEUR DU MICROPROCESSEUR  
SCHEMA ELECTRIQUE  
GCS 212 MMR  
45SFOH56-PT11

Cabine bus de données

DWG 45SFOH56-GBA21310JE\_G

OTIS ENGINEERING  
BERLIN

DRAWN	C.Zingler	2020-05-05	ORIGINAL DATE
CHK	J.v.Wedelst.	2020-05-05	2020-05-05
APPD	A.Jähn	2020-05-05	72 SHEETS
Masterpage	159	Masterversion V2	SHEET 31

ALL DIMENSIONS METRIC

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WITH OTIS DOCUMENT 52847

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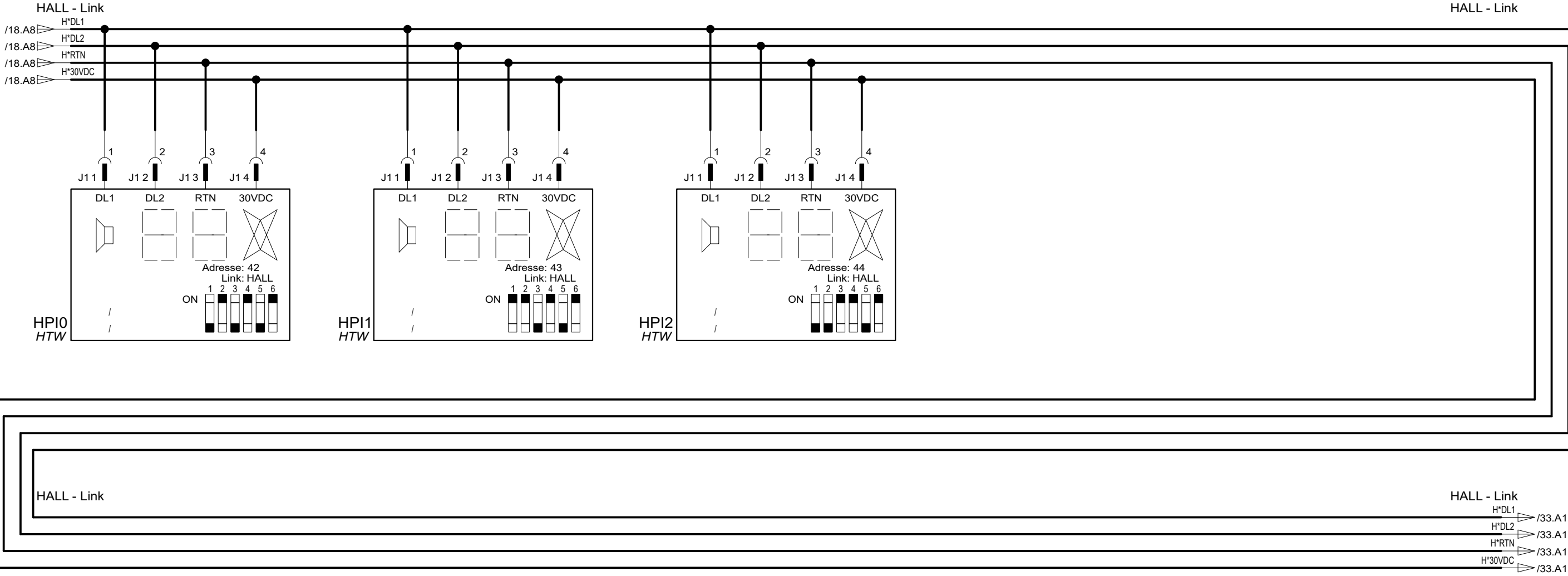
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HALL - Link

HALL - Link

H\*DL1 /33.A1  
H\*DL2 /33.A1  
H\*RTN /33.A1  
H\*30VDC /33.A1

CHANGES

2022-07-27 GCS212MMR / HALL

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SCHEMA ELECTRIQUE  
GCS 212 MMR  
45SFOH56-PT11

Bus de données cage d'ascenseur

DWG 45SFOH56-GBA21310JE\_G

OTIS ENGINEERING  
BERLIN

DRAWN	C.Zingler	2020-05-05	ORIGINAL DATE
CHK	J.v.Wedelst.	2020-05-05	2020-05-05
APPD	A.Jähn	2020-05-05	72 SHEETS
Masterpage	181	Masterversion V2	SHEET 32

ALL DIMENSIONS METRIC

DRAFTED IN ACCORDANCE  
WITH OTIS DOCUMENT 52847



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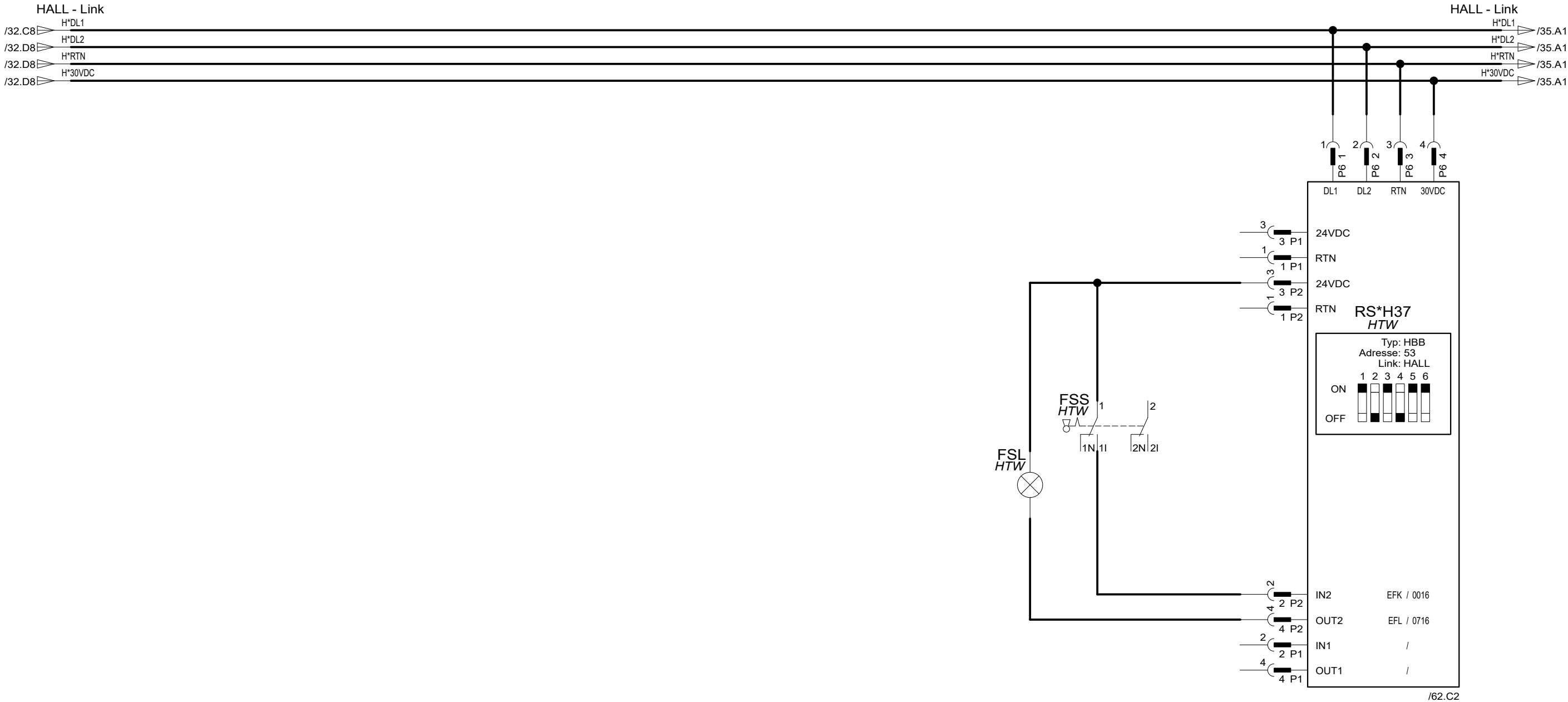
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CHANGES

2022-07-27 GCS212MMR / HALL

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SCHEMA ELECTRIQUE  
GCS 212 MMR  
45SFOH56-PT11

Bus de données cage d'ascenseur

DWG 45SFOH56-GBA21310JE\_G

OTIS ENGINEERING  
BERLIN

DRAWN	C.Zingler	2020-05-05	ORIGINAL DATE
CHK	J.v.Wedelst.	2020-05-05	2020-05-05
APPD	A.Jähn	2020-05-05	72 SHEETS
Masterpage	205	Masterversion V2	SHEET 33

ALL DIMENSIONS METRIC

DRAFTED IN ACCORDANCE  
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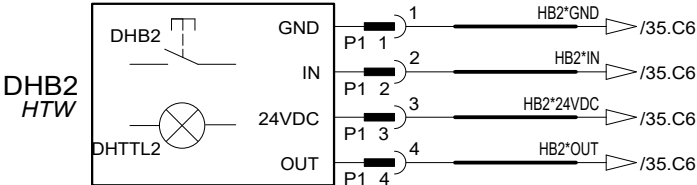
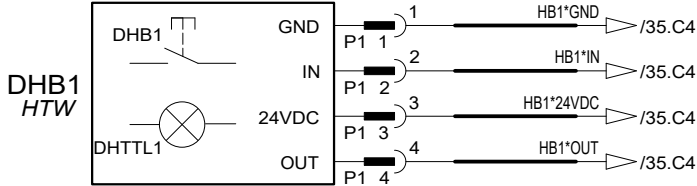
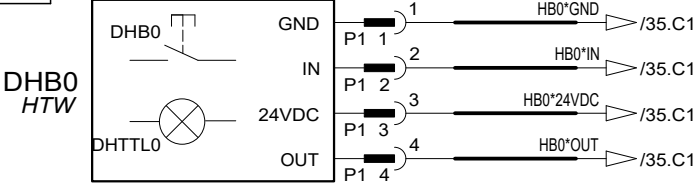
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CHANGES

2022-07-27 GCS212MMR / RISER

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SCHEMA ELECTRIQUE  
GCS 212 MMR  
45SFOH56-PT11

Bus de données cage d'ascenseur

DWG **45SFOH56-GBA21310JE\_G**

**OTIS ENGINEERING  
BERLIN**

DRAWN	C.Zingler	2020-05-05	ORIGINAL DATE
CHK	J.v.Wedelst.	2020-05-05	2020-05-05
APPD	A.Jähn	2020-05-05	72 SHEETS
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ALL DIMENSIONS METRIC

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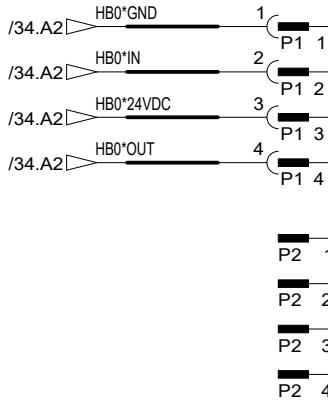
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HALL - Link

/33.A8 H\*DL1  
/33.A8 H\*DL2  
/33.A8 H\*RTN  
/33.A8 H\*30VDC

HALL - Link

/36.A1 H\*DL1  
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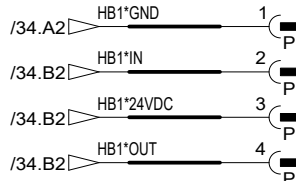


RS\*H1  
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Link: HALL

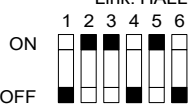


Buzzer  
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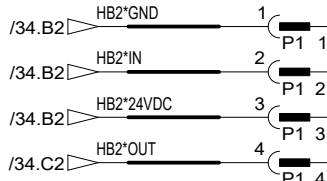


RS\*H2  
HTW

Typ: HBB  
Adresse: 22  
Link: HALL



Buzzer  
EN81-70



RS\*H3  
HTW

Typ: HBB  
Adresse: 23  
Link: HALL



Buzzer  
EN81-70

CHANGES

2022-07-27 GCS212MMR / RISER

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SCHEMA ELECTRIQUE  
GCS 212 MMR  
45SFOH56-PT11

Bus de données cage d'ascenseur

DWG 45SFOH56-GBA21310JE\_G

OTIS ENGINEERING  
BERLIN

DRAWN	C.Zingler	2020-05-05	ORIGINAL DATE
CHK	J.v.Wedelst.	2020-05-05	2020-05-05
APPD	A.Jähn	2020-05-05	72 SHEETS
Masterpage	235	Masterversion V2	SHEET 35

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WITH OTIS DOCUMENT 52847

ALL DIMENSIONS METRIC

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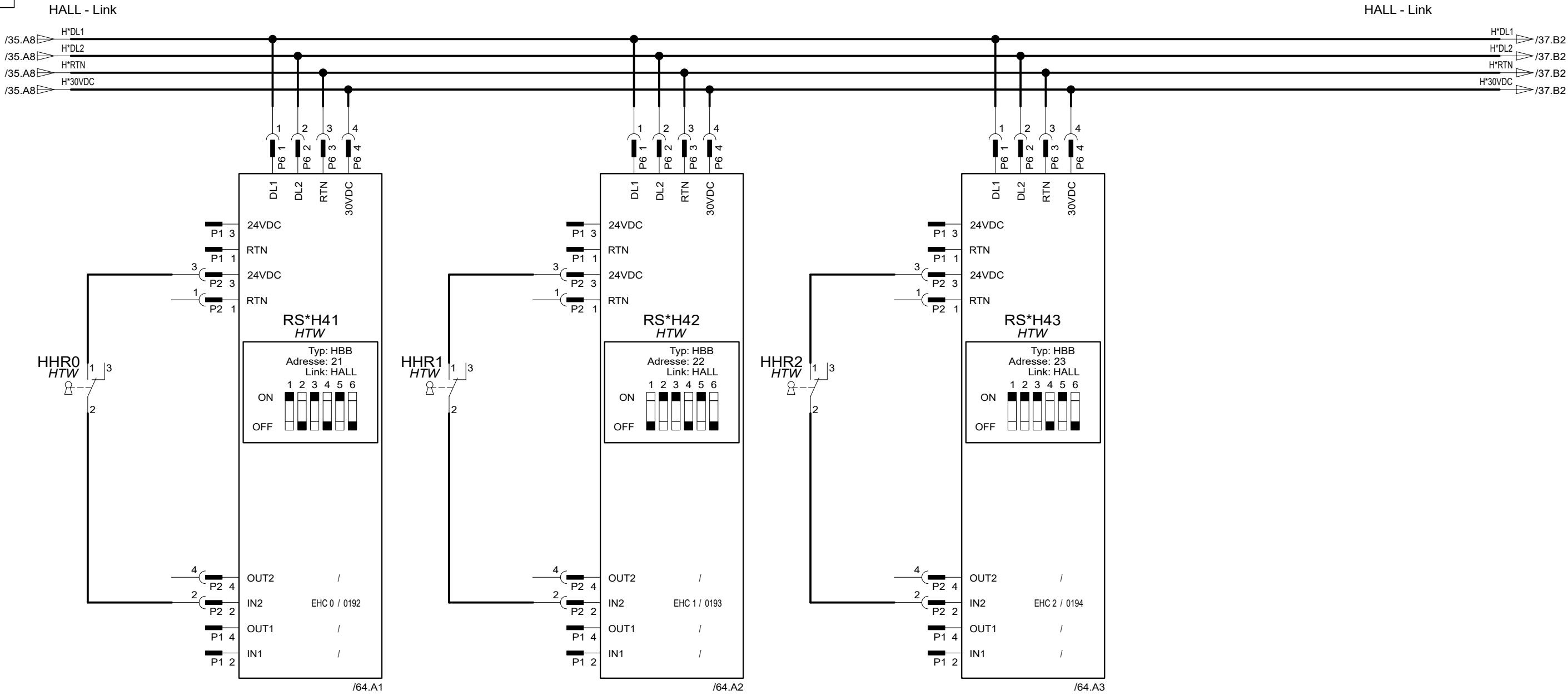
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CHANGES

2022-07-27 GCS212MMR / RISER

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SCHEMA ELECTRIQUE  
GCS 212 MMR  
45SFOH56-PT11

Bus de données cage d'ascenseur

DWG 45SFOH56-GBA21310JE\_G

OTIS ENGINEERING  
BERLIN

DRAWN	C.Zingler	2020-05-05	ORIGINAL DATE
CHK	J.v.Wedelst.	2020-05-05	2020-05-05
APPD	A.Jähn	2020-05-05	72 SHEETS
Masterpage	242	Masterversion V2	SHEET 36

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WITH OTIS DOCUMENT 52847

ALL DIMENSIONS METRIC

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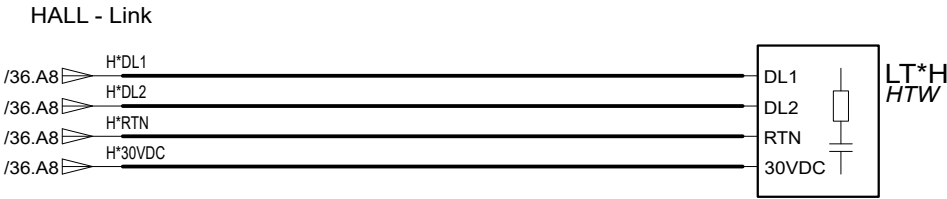
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2022-07-27 GCS212MMR / LNKFINAL					TRANSFER			OTIS ENGINEERING BERLIN			
								DRAWN	C.Zingler	2020-05-05	ORIGINAL DATE
								CHK	J.v.Wedelst.	2020-05-05	2020-05-05
								APPD	A.Jähn	2020-05-05	72 SHEETS
								AUTH	Location		Masterpage 280 Masterversion V2



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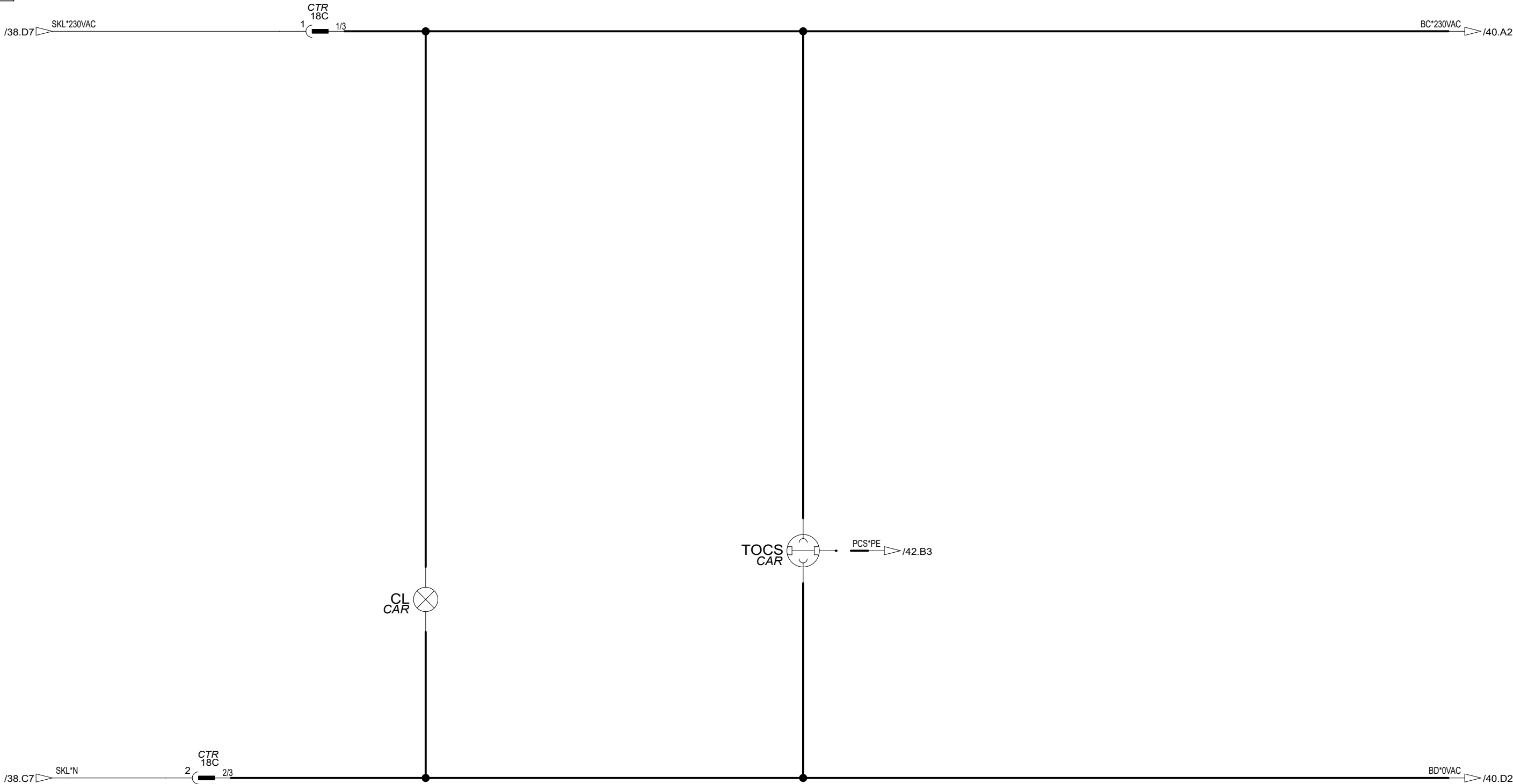
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CHANGES

2022-07-27 GCS212MMR / HTWLICAR

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SCHEMA ELECTRIQUE  
GCS 212 MMR  
45SFOH56-PT11

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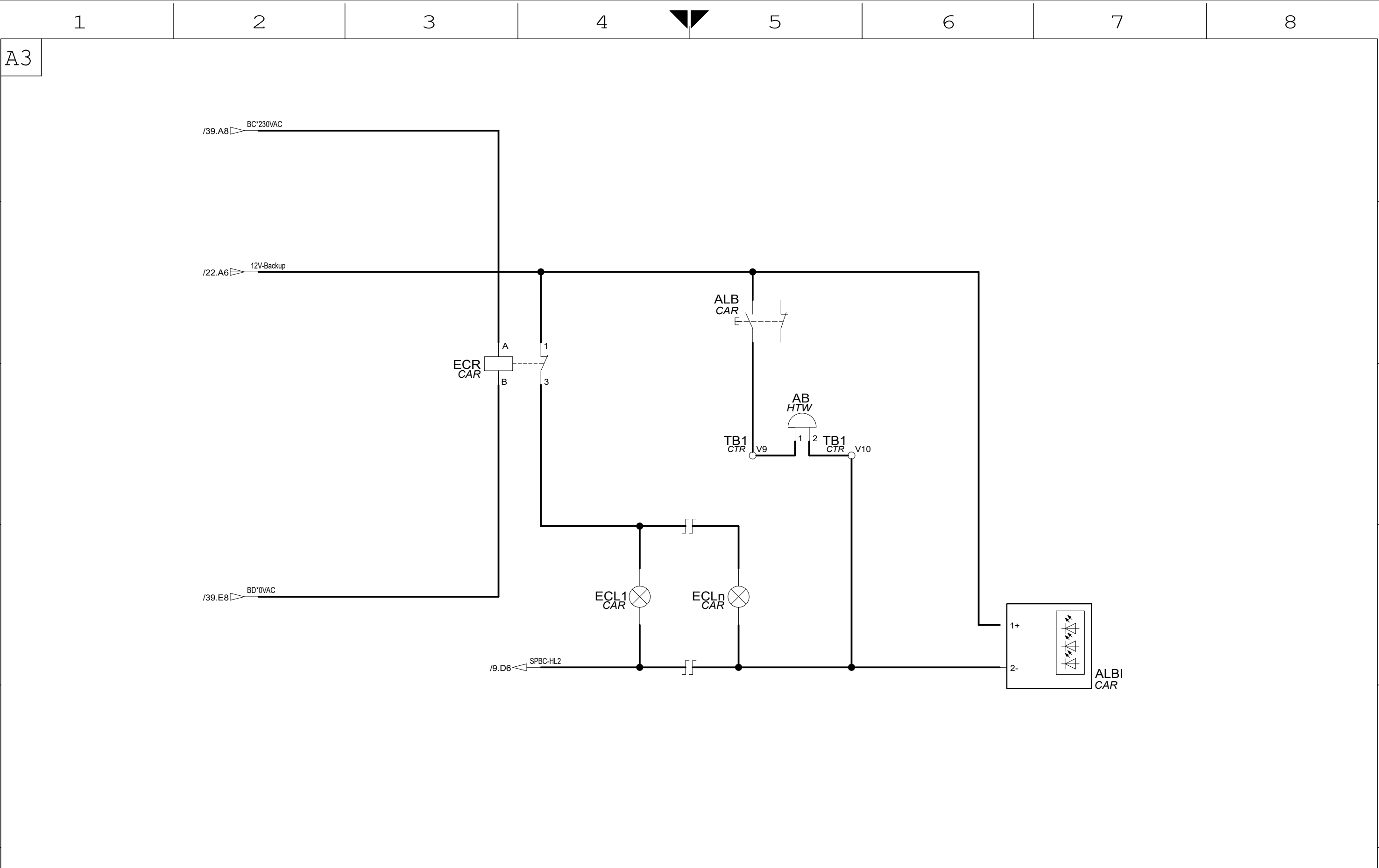
DWG 45SFOH56-GBA21310JE\_G

OTIS ENGINEERING  
BERLIN

DRAWN	C.Zingler	2020-05-05	ORIGINAL DATE
CHK	J.v.Wedelst.	2020-05-05	2020-05-05
APPD	A.Jähn	2020-05-05	72 SHEETS
Masterpage	298	Masterversion V2	SHEET 39

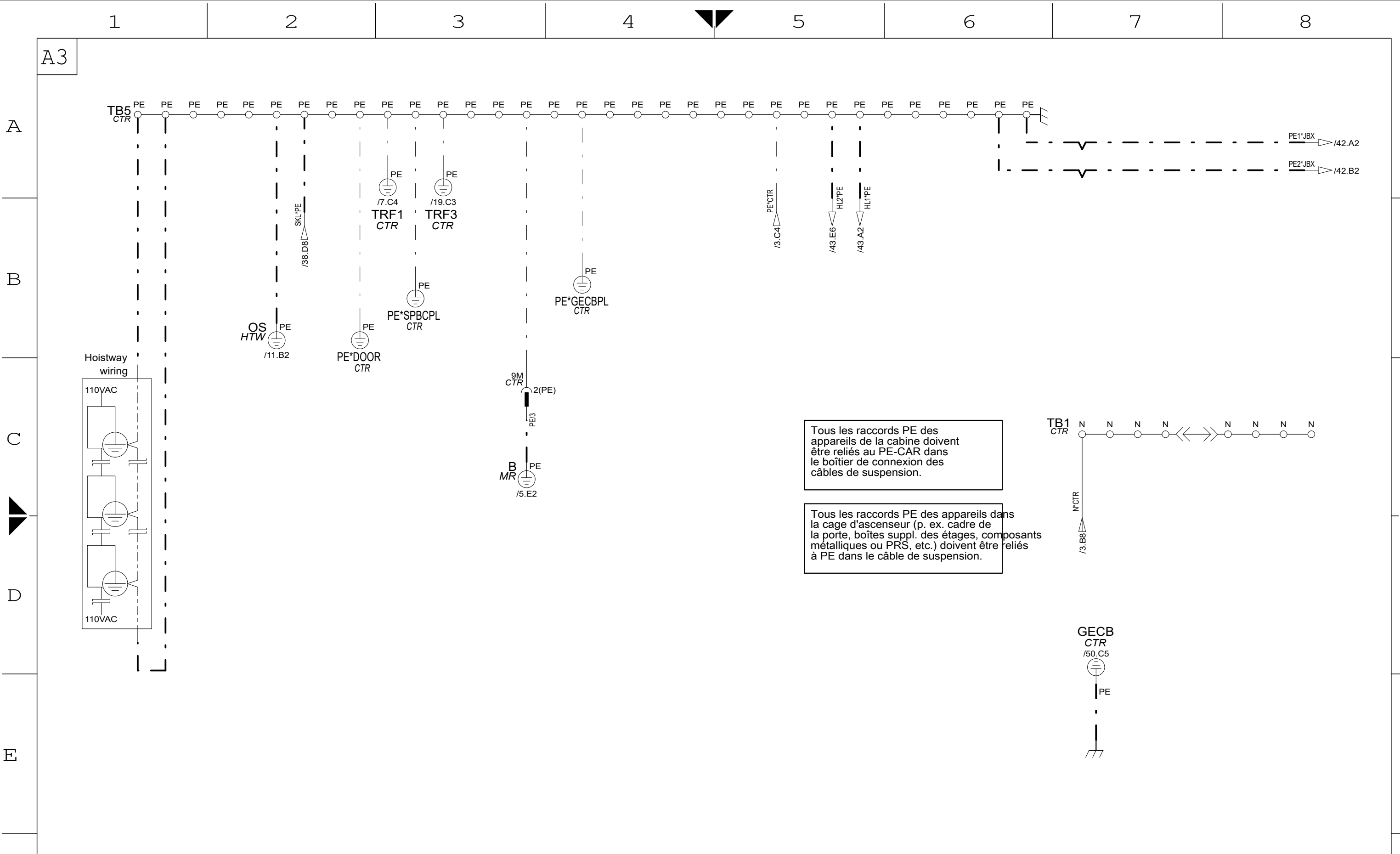
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DRAWN	C.Zingler											2020-05-05	ORIGINAL DATE														
CHK	J.v.Wedelst.											2020-05-05	2020-05-05														
APPD	A.Jähn											2020-05-05	72 SHEETS														
Masterpage	300	Masterversion V2	SHEET 40																								
2022-07-27	GCS212MMR / HTWLICAR																										
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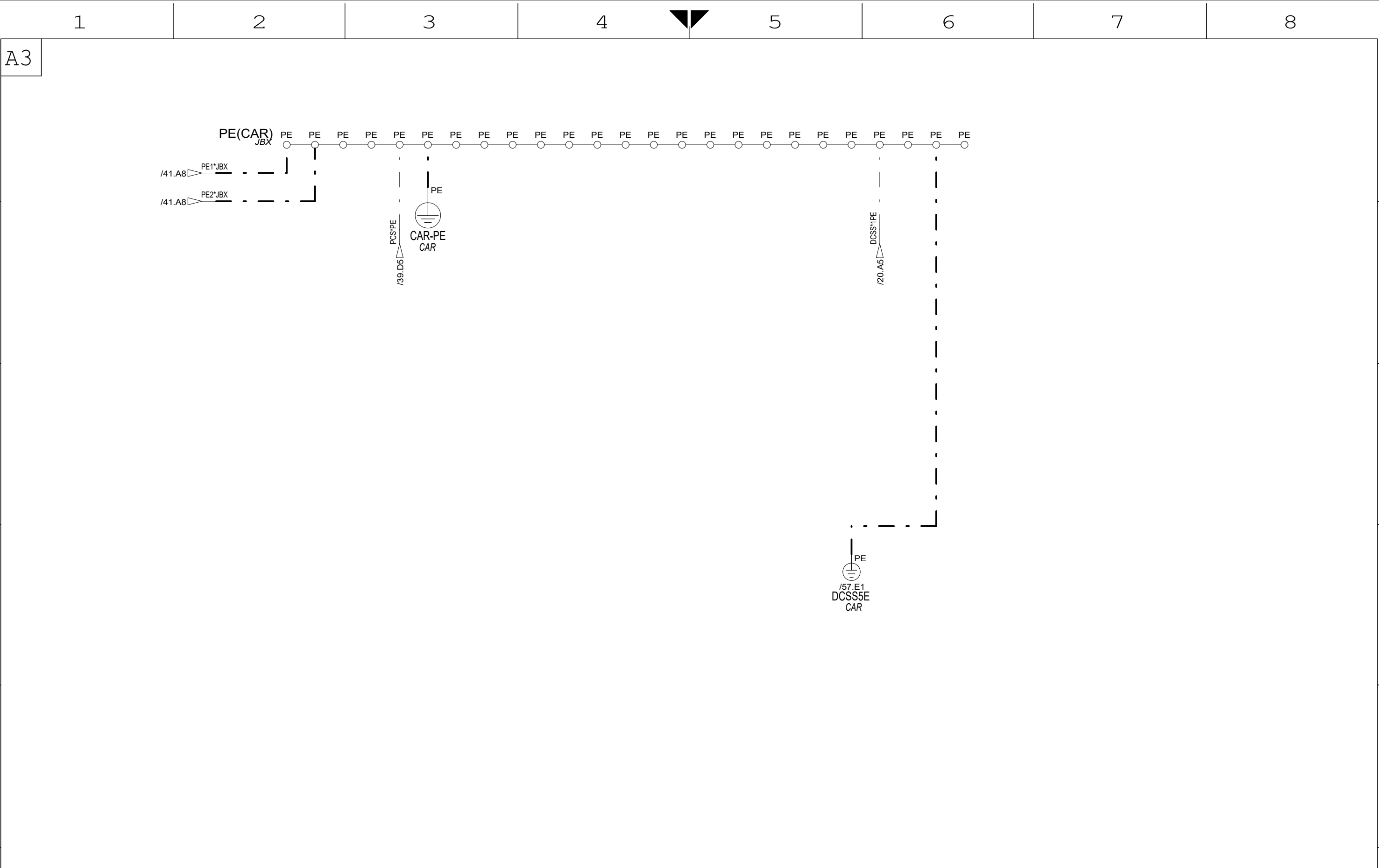




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2022-07-27 GCS212MMR / EARTH		CHANGES		TRANSFER		<div>THIS WORK AND THE INFORMATION IT CONTAINS ARE THE PROPERTY OF OTIS ELEVATOR COMPANY ("OTIS"). IT IS DELIVERED TO OTHERS ON THE EXPRESS CONDITION THAT IT WILL BE USED ONLY FOR, OR ON BEHALF OF, OTIS; THAT NEITHER IT NOR THE INFORMATION IT CONTAINS WILL BE REPRODUCED OR DISCLOSED, IN WHOLE OR IN PART, WITHOUT THE PRIOR WRITTEN CONSENT OF OTIS; AND THAT ON DEMAND IT AND ANY COPIES WILL BE PROMPTLY RETURNED TO OTIS.</div> <div>UNPUBLISHED WORK © OTIS ELEVATOR COMPANY ALL RIGHTS RESERVED.</div> <div>OTIS</div>		<div>WARNING</div> <div>THIS WORK AND THE INFORMATION IT CONTAINS ARE THE PROPERTY OF OTIS ELEVATOR COMPANY ("OTIS"). IT IS DELIVERED TO OTHERS ON THE EXPRESS CONDITION THAT IT WILL BE USED ONLY FOR, OR ON BEHALF OF, OTIS; THAT NEITHER IT NOR THE INFORMATION IT CONTAINS WILL BE REPRODUCED OR DISCLOSED, IN WHOLE OR IN PART, WITHOUT THE PRIOR WRITTEN CONSENT OF OTIS; AND THAT ON DEMAND IT AND ANY COPIES WILL BE PROMPTLY RETURNED TO OTIS.</div> <div>UNPUBLISHED WORK © OTIS ELEVATOR COMPANY ALL RIGHTS RESERVED.</div> <div>OTIS</div>		<div>CONTROLEUR DU MICROPROCESSEUR</div> <div>SCHEMA ELECTRIQUE</div> <div>GCS 212 MMR</div> <div>45SFOH56-PT11</div> <div>Mise à la terre et potentiel HL1, HL2</div>		<div>DWG 45SFOH56-GBA21310JE_G</div> <div>OTIS ENGINEERING</div> <div>BERLIN</div> <div><div><div>DRAWN C.Zingler 2020-05-05</div><div>ORIGINAL DATE</div></div><div><div>CHK J.v.Wedelst. 2020-05-05</div><div>2020-05-05</div></div><div><div>APPD A.Jähn 2020-05-05</div><div>72 SHEETS</div></div><div><div>Masterpage 307 Masterversion V2</div><div>SHEET 41</div></div></div>			
1		2 ALL DIMENSIONS METRIC		3		4		5		6		7		8 DRAFTED IN ACCORDANCE WITH OTIS DOCUMENT 52847	



2022-07-27 GCS212MMR / EARTH				TRANSFER		CONTROLEUR DU MICROPROCESSEUR SCHEMA ELECTRIQUE GCS 212 MMR 45SFOH56-PT11  Mise à la terre et potentiel HL1, HL2		DWG 45SFOH56-GBA21310JE_G	
								OTIS ENGINEERING BERLIN	
								DRAWN C.Zingler 2020-05-05	ORIGINAL DATE
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								APPD A.Jähn 2020-05-05	72 SHEETS
								Masterpage 308 Masterversion V2	SHEET 42

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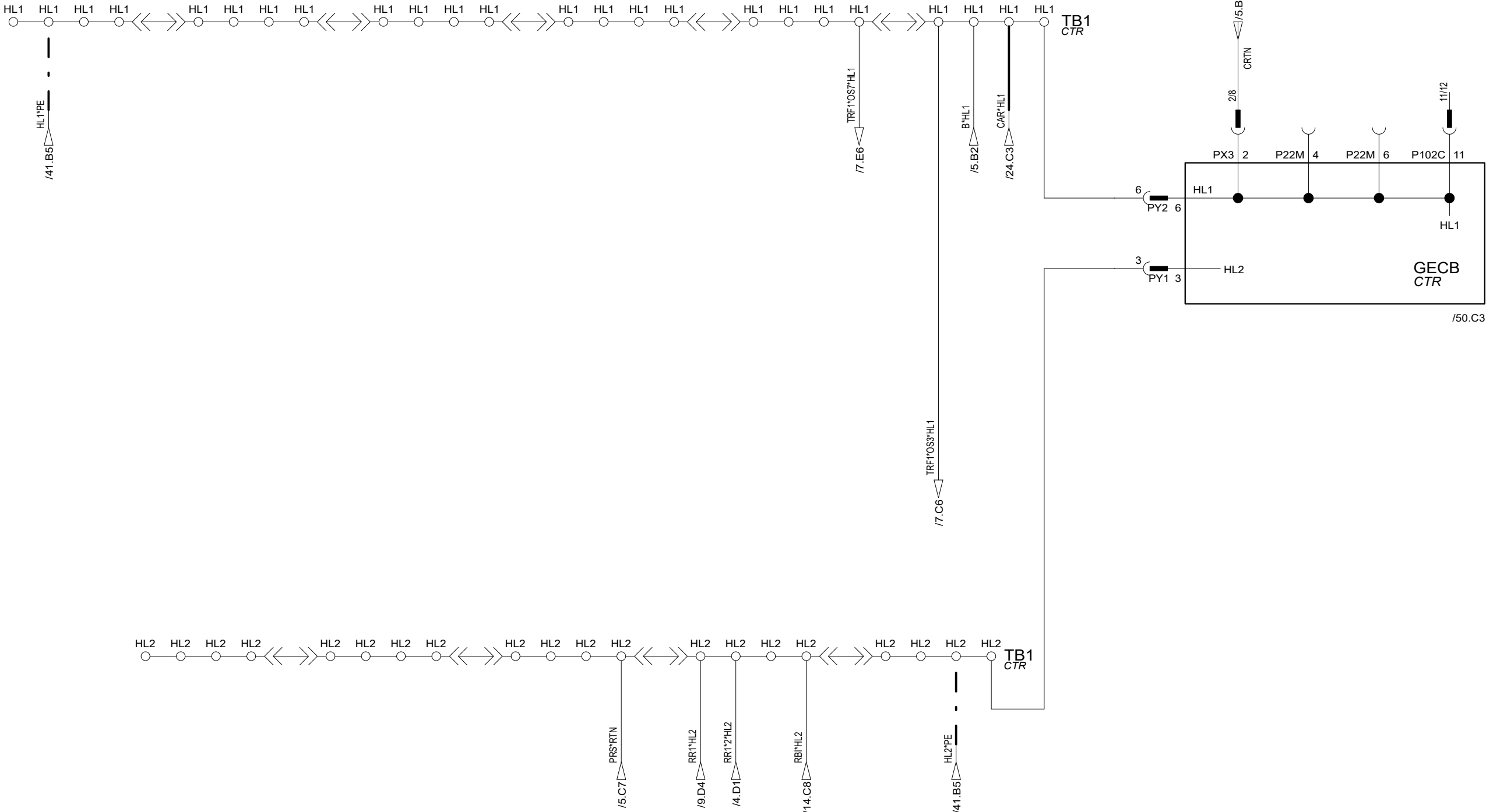
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CHANGES

2022-07-27 GCS212MMR / EARTH

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SCHEMA ELECTRIQUE  
GCS 212 MMR  
45SFOH56-PT11

Mise à la terre et potentiel HL1, HL2

DWG 45SFOH56-GBA21310JE\_G

OTIS ENGINEERING  
BERLIN

DRAWN	C.Zingler	2020-05-05	ORIGINAL DATE
CHK	J.v.Wedelst.	2020-05-05	2020-05-05
APPD	A.Jähn	2020-05-05	72 SHEETS
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Liste des appareils

1GTC	HTW	/11.B7	Contact cab. limit.
1PES	HTW	/11.C7	1er bouton d'arrêt d'urgence dans la cuvette d'ascenseur
1RS	CAR	/12.D7	Interrupteur d'inspection
6LS	CAR	/13.D2	Interrupteur limite de direction montée
AB	HTW	/40.C5	Sonnerie d'alarme
ALB	CAR	/40.B5	Bouton-poussoir d'alarme
ALBI	CAR	/40.E6	Bouton-poussoir d'alarme éclairé
B	MR	/5.E2	Frein
BAT	CTR	/9.D1	Batterie pour ACD-2
BRB2	CTR	/9.D3	Commutateur pour la levée du frein
BTS	HTW	/11.B7	Interrupteur de contrôle du ruban d'acier
BUZZER	CAR	/28.D3	Buzzer
BV	MR	/5.E2	Varistor de frein
CB0	CAR	/29.A2	Bouton-poussoir cabine n° 0
CB1	CAR	/29.B2	Bouton-poussoir cabine n° 1
CB2	CAR	/29.C2	Bouton-poussoir cabine n° 2
CPI21	CAR	/61.A1	Indicateur de position de la cabine
DBS	CTR	/11.B2	Interrupteur pour le mode de rappel
DCB	CAR	/30.C5	Bouton-poussoir de fermeture de porte
DCPB	CTR	/54.A1	Drive Control Board
DCSS5E	CAR	/57.A1	Opérateur de porte DCSS5E
DHB0	HTW	/34.A2	Bouton d'appel descente
DHB1	HTW	/34.A2	Bouton d'appel descente
DHB2	HTW	/34.B2	Bouton d'appel descente
DOB	CAR	/31.B1	Bouton-poussoir d'ouverture de porte
DS1	HTW	/12.A1	Contact de verrouillage de porte
DSn	HTW	/12.B1	Contact de verrouillage de porte
DTG-4	MR	/6.B5	Tachymètre numérique
ECL1	CAR	/40.D4	Eclairage de secours cabine 1
ECLn	CAR	/40.D5	Eclairage de secours cabine
ECR	CAR	/40.B3	Alimentation de secours de la vanne
EFO	HTW	/15.B4	Contact pour service sapeurs-pompiers
F2C	CTR	/19.B3	Fusible
F7L	CTR	/8.E5	Fusible
F8L	CTR	/7.B6	Fusible
FAN1	CTR	/4.E5	Ventilateur
FAN2	CTR	/4.E5	Ventilateur
FER5	CTR	/5.A3	Noyau en ferrite comme filtre antiparasite
FER6	CTR	/6.A3	Noyau en ferrite comme filtre antiparasite
FER7	CTR	/5.A8	Noyau en ferrite comme filtre antiparasite
FER8	CTR	/3.A8	Noyau en ferrite comme filtre antiparasite
FER9	CTR	/9.C7	Noyau en ferrite comme filtre antiparasite

FPC0	HTW	/17.B4	Contact de porte coupe-feu
FPC1	HTW	/17.B4	Contact de porte coupe-feu n° 1
FPC2	HTW	/17.B3	Contact de porte coupe-feu n° 2
FSK2	MR	/38.C4	Fusible
FSK4	MR	/38.C5	Fusible
FSK5	MR	/38.C6	Fusible
FSL	HTW	/33.C6	Eclairage de service sapeurs-pompiers
FSS	HTW	/33.C6	Interrupteur sapeurs-pompiers
GECB	CTR	/50.A1	Carte de circuit imprimé « Global Control System EN-IO »
GS	CAR	/12.E4	Contact de porte cabine
HHR0	HTW	/36.C1	Interrupteur pour les services d'urgence hospitaliers
HHR1	HTW	/36.C3	Interrupteur pour les services d'urgence hospitaliers
HHR2	HTW	/36.C5	Interrupteur pour les services d'urgence hospitaliers
HLIB	HTW	/38.D3	Bouton-poussoir pour l'éclair. dans la cage
HPI0	HTW	/32.B1	Indicateur de position du palier
HPI1	HTW	/32.B3	Indicateur de position du palier
HPI2	HTW	/32.B4	Indicateur de position du palier
ISS	CAR	/30.D5	Interrupteur de trajet spécial
LIH1	HTW	/38.D4	Eclairage de la cage d'ascenseur
LIHn	HTW	/38.D4	Eclairage cage d'ascenseur
LIHR	MR	/38.D3	Télérupteur de l'éclairage de la cage d'ascenseur
LRCU	CAR	/24.C2	Cellule photoélectrique
LT*H	HTW	/37.B3	Terminaison de ligne
LWB	CAR	/23.B7	Carte imprimée pèse-charge
MES	MR	/10.E2	Bouton d'arrêt d'urgence de la salle des machines
MO	MR	/4.D8	Moteur
nRS	CAR	/12.D7	Interrupteur d'inspection
OCB	MR	/3.B2	Disjoncteur moteur
OS	HTW	/11.B2	Interrupteur de survitesse
PC1	CTR	/7.A7	Condensateur
PE(CAR)	JBX	/42.A2	Bornier
PHS	HTW	/38.D5	Prise dans la cage d'ascenseur
PMS	MR	/38.D5	Prise dans la salle des machines
PR1	CTR	/7.A7	Résistance
PRS	CAR	/56.A1	Système de détection de la position
RBI	HTW	/56.A6	Dispositif de contrôle de la résistance
RCD5	MR	/38.B4	Dispositif de courant résiduel
RCD6	MR	/38.B5	Dispositif de courant résiduel
RF2	CTR	/7.A6	Redresseur
RPS	CTR	/9.E1	Interrupteur pour tension de batterie
RR1	CTR	/9.E4	Relais MRO
RS*C1	CTR	/58.A1	Remote Station

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2022-07-27

GCS 212 MMR

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SCHEMA ELECTRIQUE

GCS 212 MMR

45SFOH56-PT11

Liste du matériel

DWG 45SFOH56-GBA21310JE\_G

OTIS ENGINEERING BERLIN

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CHK J.v.Wedelst. 2020-05-05

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72 SHEETS

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Liste des appareils

RS*C13	CAR	/60.A2	Remote Station
RS*C15	CAR	/60.A4	Remote Station
RS*C17	CAR	/60.A6	Remote Station
RS*C23	CAR	/59.A5	Remote Station
RS*H1	HTW	/63.A1	Remote Station
RS*H2	HTW	/63.A2	Remote Station
RS*H3	HTW	/63.A3	Remote Station
RS*H37	HTW	/62.C2	Remote Station
RS*H41	HTW	/64.A1	Remote Station
RS*H42	HTW	/64.A2	Remote Station
RS*H43	HTW	/64.A3	Remote Station
RS11*C1	BOX	/52.D5	Remote Station
SMCB	BOX	/18.C3	Bouton de confirmation du message de service
SOS	CAR	/10.B4	Interrupteur de sécurité du parachute
SPBC_II	CTR	/53.A1	Service Panel Board
SSM4	CAR	/28.E1	Module de messagerie vocale
SW1	CTR	/5.E6	1er contacteur principal
T1	CTR	/4.C2	Etranglement réseau
TB5	CTR	/41.A2	Bornier
TCI	CAR	/13.B3	Interrupteur d'inspection sur le toit-cabine
TCIB	CAR	/13.B2	Bouton-poussoir de contrôle d'inspection
TDOS	CAR	/25.C2	Interr. d'inspection de porte
TES	CAR	/10.A4	Bouton d'arrêt d'urgence sur le toit-cabine
THB	MR	/4.E7	Thermorupteur
TIB	CAR	/13.B2	Boutons-poussoirs de direction de l'inspection
TOCS	CAR	/39.D5	Prise de la cabine
TRF1	CTR	/7.C4	Transformateur
TRF3	CTR	/19.B3	Transformateur
UDLS	CAR	/10.D4	Fin de course montée/descente
UDS	CTR	/13.D5	Interrupteur de direction montée/descente

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Liste des bornes, triés par emplacement

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CTR

TB3	1	/3.A5
TB3	2	/3.A6
TB3	3	/3.A6
TB3	4	/3.A6
TB3	5	/3.A6
TB3	6	/3.A7
TB3	N	/3.B4
TB3	N	/3.B5
TB3	PE	/3.B4
TB3	PE	/3.B3

CTR

TB1	HL1	/43.A6
TB1	HL1	/43.A5
TB1	HL1	/43.A4
TB1	HL1	/43.A3
TB1	HL1	/43.A2
TB1	HL1	/43.A1
TB1	HL2	/43.D6
TB1	HL2	/43.D5
TB1	HL2	/43.D4
TB1	HL2	/43.D3
TB1	HL2	/43.D2
TB1	N	/41.C7
TB1	N	/41.C8
TB1	101	/38.D6
TB1	102	/38.C7
TB1	V9	/40.C5
TB1	V10	/40.C5
TB1	13	/15.A2
TB1	14	/15.A3
TB1	15	/15.A4
TB1	17	/5.A5
TB1	18	
TB1	19	/9.B8
TB1	20	/9.C8
TB1	24	
TB1	V40	
TB1	V41	
TB1	V42	/10.E2
TB1	V43	
TB1	V44	
TB1	V45	
TB1	V46	/24.A1
TB1	50	/16.B4
TB1	51	/16.B4
TB1		
TB1		
TB1		
TB1		
TB1		

CTR

TB2	2U	/4.C8
TB2	2V	/4.C8
TB2	2W	/4.C8
TB2	2W	/4.C7
TB2	PE	/4.C8

CTR

TB8	DC+	/4.B2
TB8	DC-	/4.B2

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SCHEMA ELECTRIQUE

GCS 212 MMR

45SFOH56-PT11

Liste des connecteurs et des bornes

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Connecteur Liste de l'emplacement BOX

1H.  
BOX

1	/18.A6
2	/18.A6
3	
4	/18.A6
5	/18.A6

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SCHEMA ELECTRIQUE

GCS 212 MMR

45SFOH56-PT11

Liste des connecteurs et des bornes

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Connecteur Liste de l'emplacement CAR

3C  
CAR

1	/19.D1
2	/19.D2
3	
4	
5	



A3

Connecteur

Liste de l'emplacement CTR

12M CTR	18C CTR	1H CTR	3C CTR	400M CTR	7M CTR	9M CTR	P1 CTR	P1. CTR	P17 CTR
1 /17.B4	1 /39.A2	1 /18.A2	1 /19.D1	1 /23.C6	1 /4.D6	1 /5.D2	1 /9.D3	1 /9.D3	1 /14.C8
2 /17.B4	2 /39.E2	2 /18.A2	2 /19.D2	2 /23.C6	2	PE /41.C3	2 /9.C3	2 /9.C3	2 /14.C8
3 /17.B4	3	3	3	PE	3 /4.E6	3 /5.D2	3 /9.D3	3 /9.D3	
4 /17.B3		4 /18.A2	4	4 /23.B6			4 /9.C3	4 /9.C3	
5		5 /18.A2	5	5 /23.B6					
6									
7									
8									

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A3

GECB  
CTR

Carte de circuit imprimé																
Raccord		Signal	Position	Raccord		Signal	Position	Raccord		Signal	Position	Raccord		Signal	Position	
P1XX	1	/NUSD		P1G	1	DL1_G	/16.B1	P102C	1	AA100	/10.B2	P17C	1	DZI+	/9.B7	
	2	/NU			2	DL2_G	/16.A2		2	AA5	/10.C5		2	NC		
	3	/NUG			3	NC			3	AA10	/10.B7		3	12V_BB	/9.A7	
	4				4	RTN	/16.B2		4	AA12	/12.C5		P5T	1	AA5	/10.D5
P1YY	1	/NUSD			5	30VDC	/16.B2		5	DFC	/12.C6	2		AA6	/10.D5	
	2	/NU		P1H	1	DL1_H	/16.B1		6	AA15	/13.F5	3		NC		
	3	/NUG			2	DL2_H	/16.A2		7	/AES		P6T	1	/ES	/12.A5	
	4				3	NC			8	AA14	/13.E3		2	/DW	/12.B5	
PX1	1	1LV	/21.E4		4	RTN	/16.B2		9	NC			3	AA12	/12.C5	
	2	2LV	/21.E3		5	30VDC	/16.B2		10	AB1		P10H	1	HL2	/11.E3	
	3	UIS		P2H	1	AA12	/12.C5		11	HL1	/43.B8		2	1RTD	/11.D1	
	4	DIS			2	AA8	/11.E2		12	AA6	/10.E5		3	HL2	/11.E1	
	5	CAN_H	/9.C2		3	/DW	/12.B5	P1M	1	B+	/8.C8		4	1RRD	/11.D1	
	6	CAN_L	/9.B1		4	/ES	/12.C6		2	PE			5	3RTD	/11.E1	
	7	HL2	/9.C2		5	AA9	/11.E2		3	HL2	/8.C8	P_A	1	/AES		
	8	SPB+	/9.B3	PY1	1	23V	/8.A6	P3M	1	AA6	/10.E5		2	/DS		
	9	/EFO	/15.B5		2	OS2	/8.A6		2	PE		P_B	1	/AES		
	10	30V_Out	/15.B3		3	HL2	/43.B7		3	AA8	/11.D2		2	/ES		
	11	BY_CHK			4	23	/8.D8	P4M	1	AA10	/10.C7	P_C	1	SPARE_30_1		
	12	BR_CHK			5	OS1	/8.A6		2	AA9	/11.D2		2	SPARE_30_2		
PX2	1	/LR		PY2	1	AA0	/8.B6		3	/ERO	/11.D2	P1	1	GDS		
	2	/DFCR			2	AB1	/8.B6		4	AA14	/13.E4		2	ETSC		
	3	SP_OUT_A			3	AC2	/8.B6		5	AA15	/13.E5	P3	1-9	SVT		
	4	/SOR			4	20V	/8.C6		6	UIB	/13.B7		P31	1-9	REM	
	5	NC			5	OS4	/8.C6		7	DIB	/13.B6	P150		1-10	OMU	
PX3	1	AB2	/13.A7		6	HL1	/43.B8		P19M	1	AC5	/14.B3	P151	1-10	EXP-PORT	
	2	HL1	/43.B7		7	B+	/8.C8	2		/2TH	/14.C3	PE			/41.D7	
	3	UIB	/13.A7		8	NC		3		NC						
	4	DIB	/13.A7	P100	1	TXA		4		AA100	/10.B1					
	5	AB1			2	TXB		5		AA1	/10.A1					
	6	AB1	/14.E2		3	RXA		P20M		1	AC4					/14.B3
	7	AC4	/14.B3		4	RXB				2	AC5					/14.B3
	8	NC		P101C	1	DL1_C	/16.E6			3	NC					
PX4	1	NC			2	DL2_C	/16.D6	P22M	1	NC	/8.D7					
	2	AC2	/14.B1		3	RTN	/16.E6		2	HL2						
	3	/1TH	/14.B1		4	30VDC	/16.E6		3	AA13	/12.B6					
PX5	1	Brake+	/9.B5		5	1LV	/21.D2	4	HL1	/43.B7						
	2	HL2	/9.B6		6	2LV	/21.D3	5	/ES	/12.A6						
	3	SPB+_F	/9.B6		7	/1LS	/21.D5	6	HL1	/43.B8						
	4	CAN_H	/9.B6		8	/2LS	/21.D6	7	30V							
	5	CAN_L	/9.B6	9	C_CAN_H	/23.D5	8	HL2								
	6	12V_BB	/9.B7	10	C_CAN_L	/23.D6										
	7	DZI+	/9.B7	11	UIS											
	8	REB	/9.B7	12	DIS											

A3

Connecteur GECB

GECB/PX1  
CTR

1	/21.E2
2	/21.E4
3	
4	
5	/9.C1
6	/9.C1
7	/9.C2
8	/9.B3
9	/15.B5
10	/15.B3
11	
12	

GECB/PX3  
CTR

1	/13.A7
2	/43.B7
3	/13.A7
4	/13.A7
5	
6	/14.A3
7	/14.B3
8	

GECB/PX4  
CTR

1	
2	/14.B1
3	/14.B1

GECB/PX5  
CTR

1	/9.B5
2	/9.B6
3	/9.B6
4	/9.B6
5	/9.B6
6	/9.B7
7	/9.B7
8	/9.B7

GECB/PY1  
CTR

1	/8.A6
2	/8.A6
3	/43.B7
4	/8.A6
5	/8.A6

GECB/PY2  
CTR

1	/8.B6
2	/8.B6
3	/8.B6
4	/8.C6
5	/8.C6
6	/43.B7
7	/8.C8
8	

GECB/P17C  
CAR

1	/9.A7
2	
3	/9.A7

GECB/P101C  
CTR

1	/16.D6
2	/16.E6
3	/16.E6
4	/16.E6
5	/21.D2
6	/21.D4
7	/21.D5
8	/21.D6
9	/23.C5
10	/23.C6
11	
12	

GECB/P102C  
CAR

1	/10.B1
2	/10.C5
3	/10.B7
4	/12.C5
5	/12.C6
6	/13.E2
7	
8	/13.E3
9	
10	
11	/43.B8
12	/10.D6

GECB/P3M  
MR

1	/10.E5
2	
3	/11.D2

GECB/P4M  
CTR

1	/10.C7
2	/11.D2
3	/11.D3
4	/13.E4
5	/13.E5
6	/13.B7
7	/13.B6
8	

GECB/P19M  
CTR

1	/14.C3
2	/14.C3
3	
4	/10.B2
5	/10.A2

GECB/P20M  
MR

1	/14.B3
2	/14.B3
3	

4T1

CTR	
1	
2	/10.D6
3	

GECB/P1H  
CTR

1	/16.A2
2	/16.A2
3	
4	/16.B2
5	/16.B2

GECB/P2H  
HTW

1	/12.C4
2	/11.E2
3	/12.B4
4	/12.A4
5	/11.E2

A3

A

B

C

D

E

F

A

B

C

D

E

F

RS11\*C1  
BOX

Carte de circuit imprimé : RS11		
Link : CAR		Adresse : 62
Raccord	Signal	Position
P1	1	RTN
	2	IN1
	3	24VDC
	4	OUT1
P2	1	DL1
	2	DL2
	3	RTN
	4	30VDC

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GCS 212 MMR  
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Tableaux et explications

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SPBC\_II  
CTR

Carte de circuit imprimé							
Raccord		Signal	Position	Raccord		Signal	Position
P1	1	40Vdc	/9.E2	P8	1-9	SVT	/9.A5
	2	BRB2_IN	/9.E3	P9	-	PE	
P100	1	Brake+	/9.D7	P10	1	LED+	
	2	HL2	/9.C6		2	LED-	
	3	SPB+	/9.C6		3	SV Button	
	4	CAN_H	/9.C6		4	SV Button	
	5	CAN_L	/9.C6		5	NC	
	6	+12V BACK	/9.C7				
	7	DZI+	/9.C7				
	8	REB	/9.C7				
	9	VFB	/9.C7				
P3	1	12V+	/9.D7				
	2	GND	/9.D6				
P4	1	BAT+	/9.E3				
	2	BAT-	/9.E1				
	3	BAT-	/9.E2				
	4	NTC	/9.E2				
P5	1	PTT_A					
	2	PTT_B					
P6	1	NC					
	2	NC					
	3	PTT_A					
	4	PTT_B					
	5	NC					
	6	NC					
P7	1	12V+	/9.B1				
	2	GND	/9.A1				
	3	Shield	/9.A1				
	4	SIG_A	/9.A1				
	5	SIG_B	/9.B1				

SPBC\_II/P1  
CTR

1	/9.E2
2	/9.E3

SPBC\_II/P3  
CTR

1	/9.D7
2	/9.D6

SPBC\_II/P4  
CTR

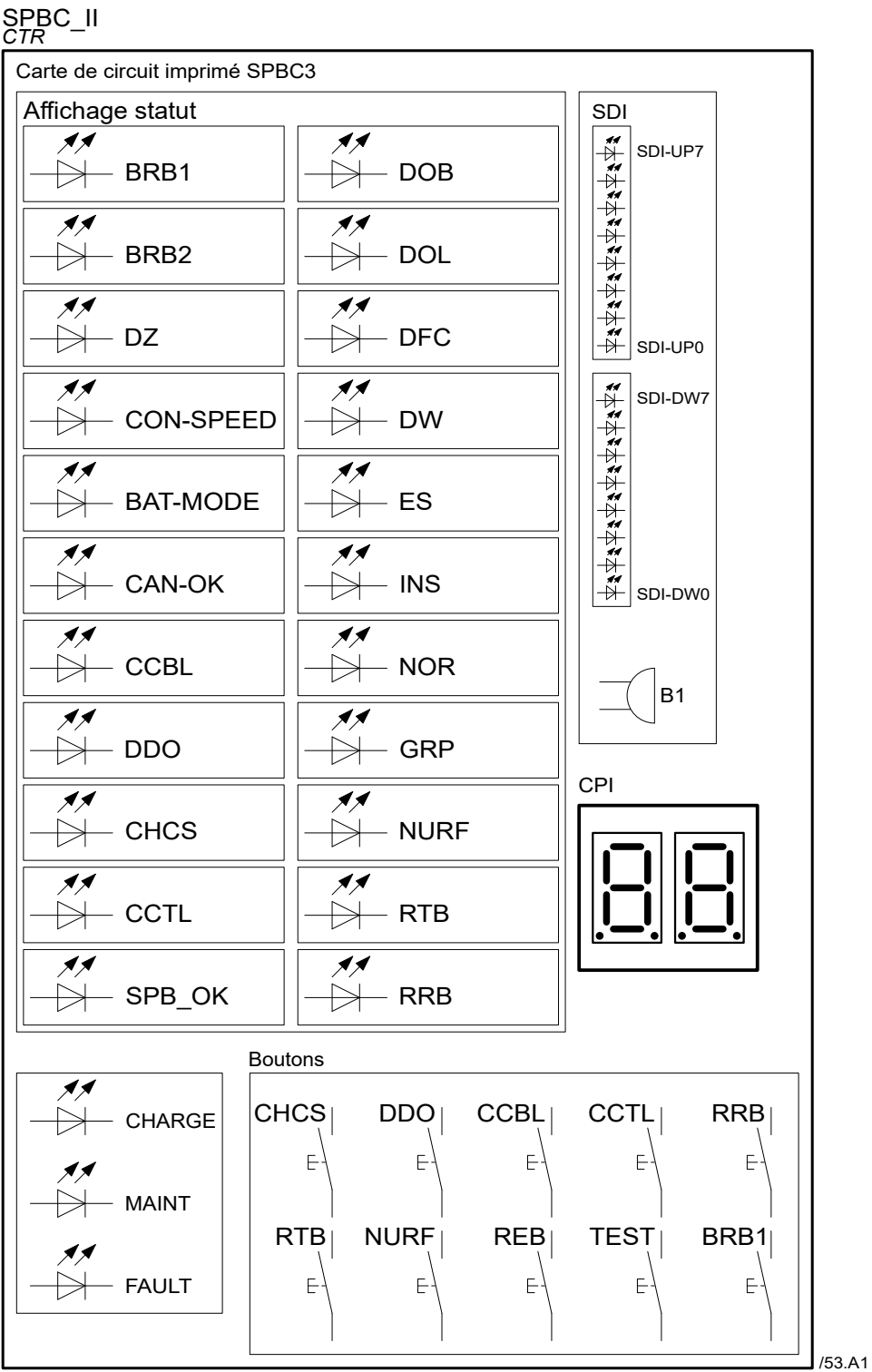
1	/9.E1
2	/9.E1
3	/9.E2
4	/9.E2

SPBC\_II/P7  
CTR

1	/9.A1
2	/9.A1
3	/9.A1
4	/9.B1
5	/9.B1

SPBC\_II/P100  
CTR

1	/9.C5
2	/9.C6
3	/9.C6
4	/9.C6
5	/9.C6
6	/9.C7
7	/9.C7
8	/9.C7
9	/9.C7



Boutons

CHARGE

MAINT

FAULT

CHCS

DDO

CCBL

CCTL

RRB

RTB


NURF

REB

TEST

BRB1

/53.A1

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2022-07-27 GCS212MMR / TABLES										OTIS ENGINEERING BERLIN	
								DRAWN C.Zingler 2020-05-05		ORIGINAL DATE	
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								APPD A.Jähn 2020-05-05		72 SHEETS	
								AUTH		Location	
								Masterpage 319 Masterversion V2		SHEET 53	



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A3

DCPB

CTR

Carte de circuit imprimé		
Raccord	Signal	Position
P1	1 MRO_SC_IN	/5.A6
	2 n.c.	/5.A6
	3 UIB	/5.A6
	4 SFC_IN	/5.A6
	5 DIB	/5.A6
	6 n.c.	/5.A6
	7 SFC_RTN	/5.B6
	8 SFC_RTN	/5.B6
P2	1 CAN_24V	/9.D2
	2 CAN_H	/9.D1
	3 CAN_L	/9.D1
	4 CAN_RTN	/9.D2
P3	1 UIS	/5.C6
	2 DIS	/5.C6
	3 1LV	/5.C6
	4 2LV	/5.C6
	5 PRS_RTN	/5.C6
P4	1 3.3V	
	2 OMU_CS*	
	3 DIB_CS*	
	4 SPI1_MISO	
	5 SPI1_SCLK	
	6 R310 (3.3V)	
	7 SPI1_MOSI	
	8 DGND	
	9 n.c.	
	10 n.c.	
P5	1 LOGIC_BRK_PWR	/5.A3
	2 LOGIC_BRK_PWR_RTN	/5.B3
	3 BRK_GND	/5.B3
	4 MRC_BRK_DRV	/5.B3
	5 MRC_LOGIC_PWR	/5.B3

Carte de circuit imprimé		
Raccord	Signal	Position
P6	1 BRK_DC+	/5.B3
	2 BRK_GND	/5.B3
P7	1 24V_I/O	/5.A4
	2 BS1	/5.A4
	3 BS2	/5.A4
	4 DGND	/5.A4
	5 MOT_THERM	/5.A4
	6 24V_I/O	/5.A4
	1 BRK_DC+	/5.C3
	2 PE3	/5.C3
P8	3 BRK_GND	/5.C3
	1 ENC_A+	/6.B1
	2 ENC_A-	/6.A2
	3 ENC_B+	/6.A2
	4 ENC_B-	/6.B2
	5 ENC_5V	/6.B2
	6 ENC_RTN	/6.B2
	7 n.c.	/6.B2
P9	8 Shield (VIA5)	/6.B2
	1 CNV_R1	/4.B3
	2 CNV_S1	/4.B3
P10	3 CNV_T1	/4.B3
	1 CNV_R2	/4.C3
	2 CNV_S2	/4.C3
P11	3 CNV_T2	/4.C3
	1 FAN	/4.D4
	2 DGND	/4.D4
P12	1 24V_I/O	
	2 DGND	
	3 UPROC_SCL	
	4 3.3V	
	5 UPROC_SDA	
	6 DGND	

Carte de circuit imprimé		
Raccord	Signal	Position
P14	1 3.3V	
	2 UPROC_TRST	
	3 UPROC_TDI	
	4 UPROC_TMS	
	5 n.c.	
	6 DGND	
	7 UPROC_TCK	
	8 UPROC_TDO	
	9 POR*	
	10 DGND	
P15	1 BR_NC	/5.D5
	2 DRV_DBD	/5.D5
P16	1 LR_THERM_A	/4.D3
	2 LR_THERM_B	/4.D3
P17	1 SFC_2BR	/5.D6
	2 BR	/5.D6
	3 SFC_2BR_RTN	/5.D6
P18	1 BY	/5.D4
	2 n.c.	/5.D4
	3 BRK_DC+	/5.D4
P19	1-20 JTAG Port	
TB1	1 L1	/4.A3
	2 L2	/4.A3
	3 PE1	/4.A3
	4 L3	/4.A3
TB3	--- DC_BUS-	/4.B3
TB4	--- DC_BUS+	/4.B3
TB7	1 INV_U	/4.A5
	2 INV_V	/4.A5
	3 PE2	/4.A5
	4 INV_W	/4.A5
PE	--- VIA2	/4.C5

DCPB/P1

CTR

1	/5.A7
2	/5.A7
3	/5.A7
4	/5.A7
5	/5.A7
6	/5.A7
7	/5.B7
8	/5.B7

DCPB/P2

CTR

1	/9.C2
2	/9.C1
3	/9.C1
4	/9.C2

DCPB/P3

CTR

1	/5.C7
2	/5.C7
3	/5.C7
4	/5.C7
5	/5.C7

DCPB/P5

CTR

1	/5.A3
2	/5.B3
3	/5.B3
4	/5.B3
5	/5.B3

DCPB/P6

CTR

1	/5.B3
2	/5.C3

DCPB/P7

CTR

1	/5.A4
2	/5.A4
3	/5.A4
4	/5.A4
5	/5.A4
6	/5.A4

DCPB/P8

CTR

1	/5.C3
2	/5.C3
3	/5.C3

DCPB/P9

CTR

1	/6.A2
2	/6.A2
3	/6.A2
4	/6.B2
5	/6.B2
6	/6.B2
7	/6.B2
8	/6.B2

DCPB/P10

WH\*SW1

1	/4.B3
2	/4.B3
3	/4.B3

DCPB/P11

WH\*T1

1	/4.C3
2	/4.C3
3	/4.C3

DCPB/P12

WH\*D5

1	/4.D4
2	/4.D4

DCPB/P15

WH\*D4

1	/5.D5
2	/5.D5

DCPB/P16

CTR

1	/4.D3
2	/4.D3

DCPB/P17

WH\*D2

1	/5.D6
2	/5.D6
3	/5.D6

DCPB/P18

WH\*D3

1	/5.D4
2	/5.D4
3	/5.D4

DCPB/TB1

CTR

1	/4.A3
2	/4.A3
PE	/4.A3
4	/4.A3

DCPB/TB7

CTR

1	/4.A5
2	/4.A5
3	/4.A5
4	/4.A5

FAN1

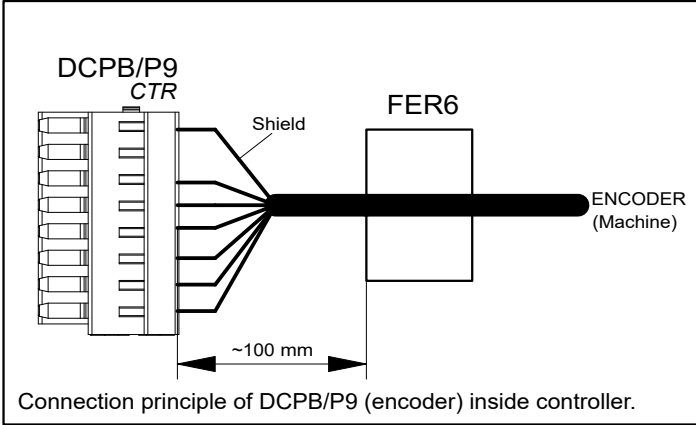
WH\*D5

1	/4.D4
2	/4.E4

FAN2

WH\*D5

1	/4.D4
2	/4.E4



Connection principle of DCPB/P9 (encoder) inside controller.

voir page : /6.C3

CHANGES

2022-07-27 GCS212MMR / TABLES

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CONTROLEUR DU MICROPROCESSEUR  
SCHEMA ELECTRIQUE  
GCS 212 MMR  
45SFOH56-PT11

Tableaux et explications

DWG 45SFOH56-GBA21310JE\_G

OTIS ENGINEERING  
BERLIN

DRAWN	C.Zingler	2020-05-05	ORIGINAL DATE
CHK	J.v.Wedelst.	2020-05-05	2020-05-05
APPD	A.Jähn	2020-05-05	72 SHEETS
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ALL DIMENSIONS METRIC

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INFORMATIONS GENERALES  
(EN81-1 / EN81-20)

Requirements		Comments	
EN81-1	EN81-20		
13.2.1	5.10.3.1		All relays and contactors involved meet the VDE 0660 (EN 60947-4/5-1).
10.6.2	5.9.2.7	Run time monitor	If at a normal ride no changes of the hoistway signals are received during the "CAR NON START"-time (DDP), the drive will be stopped by the logic.
		Inspection control	After having changed to inspection (TCI), an unintentional movement is prevented as due to open contacts of the inspection switch an exitation of the contactor SW1 is only possible via the direction commanding inspection switches (TIB).
12.4.2.3	5.9.2.2.2.3	Main and Brake switch	Energy is supplied to the brake activator via from each other independent (operation parts) brake relay (B...) and safety relays (S...). OVFR03B => BR/BY, SW1 Additionally the UltraDrives is monitoring by the internal BY_NO_SENSE signal.
12.7.3	5.9.2.5.2	Motor contactor	The flow of energy for the motor depends on the safety relays (S...). The monitoring unit monitors the energy flow to the motor, in case of a failure the next start is inhibited. OVFR03B => SW1 Additionally the UltraDrives is monitoring by the internal PWM controlling.
14.1.1.1	5.11.1.2	Monitoring the main switch drop	The electronics of the controller opens the main contactors of brake relay (BR...) safety relays (S...). A new start is only possible if the main contactors of brake relay (B...) and safety relay (S...) have dropped. (Input DBD...) OVFR03B => DRV_DBD A test by Service Tool (SVT) are possible.
		Effect of safety devices on the flow of current into the motor	The safety chain controls the contactors brake relay (B...) and safety relay (S...) directly. In so doing, it controls the energy flow to the motor. OVFR03B => BR/BY, SW1

CHANGES

2022-07-27 GCS212MMR / TABLES

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SCHEMA ELECTRIQUE  
GCS 212 MMR  
45SFOH56-PT11

Tableaux et explications

DWG 45SFOH56-GBA21310JE\_G

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Masterpage	328	Masterversion V2	SHEET 55

ALL DIMENSIONS METRIC

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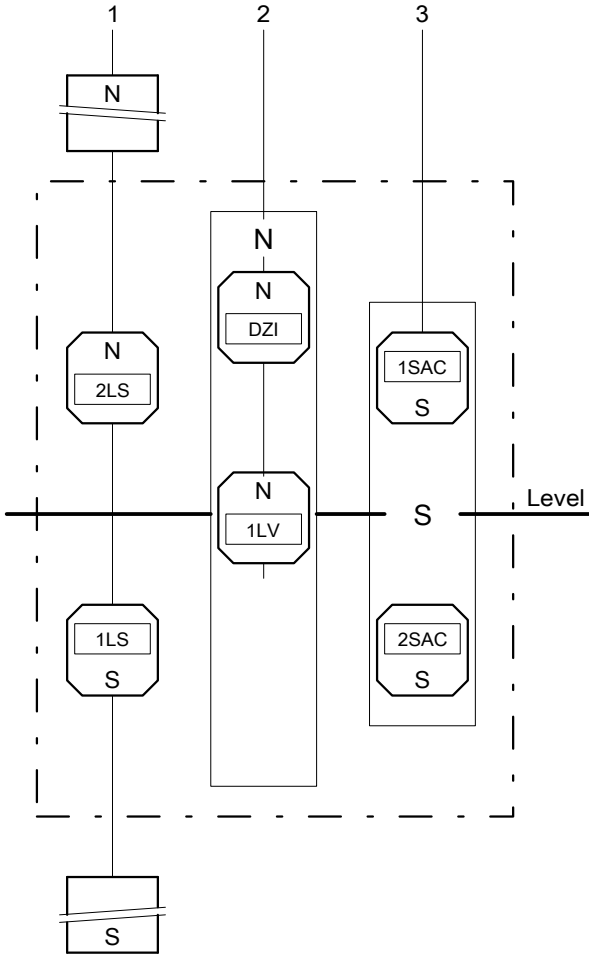
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A3

PRS CAR	
Signal	Position
1LV	/21.B2
2LV	
1LS	/21.B5
2LS	/21.B6
UIS	
DIS	
DZI	/22.B6
1SAC	
2SAC	
VRM	

Disposition des aimants et des interrupteurs à impulsion pour PRS 2



RBI HTW			
Carte de circuit imprimé			
Raccord		Signal	Position
P12/P19	1	RELAY_OUT	/14.C7
	2	RELAY_IN	/14.C6
P17	1	30V_RTN	/14.C7
	2	30V_IN	/14.C7

RBI/P12/P19 HTW	
1	/14.C6
2	/14.C6

RBI/P17 HTW	
1	/14.C7
2	/14.C7

CHANGES

2022-07-27 GCS212MMR / TABLES

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45SFOH56-PT11

Tableaux et explications

DWG 45SFOH56-GBA21310JE\_G

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DCSS5E

CAR

P1	1	L1	/20.B4
	2	PE	/20.B4
	3	N	/20.B4
P2	1	24VDC	/20.E7
	2	n.c.	/20.C7
	3	DOB	/20.C7
	4	REV	/20.C7
P3	1	n.c.	/20.C7
	2	SGS1	/20.C7
	3	n.c.	/20.D7
	4	SGS2	/20.D7
P4	1	ST1	/20.D7
	2	ST2	/20.D7
	3	ST3	/20.D7
P5	1	DOS	/20.E7
	2	DOL	/20.E7
	3	LOCK	/20.E7
P6	1	TXA0	
	2	TXB0	
	3	RXA0	
	4	LT2	
	5	LT1	
	6	RXB0	
P7	1	TXA0	
	2	TXB0	
	3	RXA0	
	4	LT2	
	5	LT1	
	6	RXB0	
P8	1	SCR	/20.E6
	2	U	
	3	PE	
	4	V	
	5	W	
P10	1	15VDC	/20.E6
	2	T1	
	3	T2	
	4	GND	
	5	SCR	
	6	n.c.	
	7	n.c.	
	PE		/42.D5

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FORM PA1104 Rev.2019-08-01

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RS*C1			
CTR			
Carte de circuit imprimé : RS18			
Link : CAR		Adresse : 56	
Raccord		Signal	Position
P1	1	DL1	/17.E7
	2	DL2	/17.A6
	3	RTN	/17.A6
	4	30VDC	/17.A6
P2	1	DL1	/17.A7
	2	DL2	/17.A7
	3	RTN	/17.A7
	4	30VDC	/17.A7
P3	1	IN1	/17.B6
	2	IN2	/17.B6
	3	IN3	/17.C6
	4	IN4	/17.C6
	5	IN5	/17.C6
	6	IN6	/17.C6
	7	IN7	/17.C6
	8	IN8	/17.C6
P4	1	OUT1	/17.D6
	2	OUT2	/17.D6
	3	OUT3	/17.D6
	4	OUT4	/17.D6
	5	OUT5	/17.D6
	6	OUT6	/17.D6
	7	OUT7	/17.E6
	8	OUT8	/17.E6
P5	1	RET	
	2	CLK	
	3	RET	
	4	DATA	
P6	1	RTN	/17.B7
	2	RTN	/17.E6
	3	30VDC	/17.B7
	4	30VDC	/17.A6

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2022-07-27 GCS212MMR / TABLES		TRANSFER		Tableaux et explications		OTIS ENGINEERING BERLIN	
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				CHK J.v.Wedelst. 2020-05-05		2020-05-05	
				APPD A.Jähn 2020-05-05		72 SHEETS	
				Masterpage 332 Masterversion V2		SHEET 58	

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RS\*C23  
CAR

Carte de circuit imprimé : RS14			
Link : CAR		Adresse : 8	
Raccord		Signal	Position
P1	1	RTN	/30.B7
	2	IN1	/30.B7
	3	24VDC	/30.B7
	4	OUT1	/30.B7
P2	1	RTN	/30.C7
	2	IN2	/30.C7
	3	24VDC	/30.C7
	4	OUT2	/30.C7
P3	1	RTN	/30.C7
	2	IN3	/30.C7
	3	24VDC	/30.D7
	4	OUT3	/30.D7
P4	1	RTN	/30.E7
	2	IN4	/30.E7
	3	24VDC	/30.E7
	4	OUT4	/30.E7
P5	1	30VDC	
	2	RTN	
	3	PID	
	4	PIR	
	5	PIC	
P6	1	DL1	/30.A7
	2	DL2	/30.A7
	3	RTN	/30.A7
	4	30VDC	/30.A7

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A3

RS*C13 CAR			
Carte de circuit imprimé : RS14			
Link : CAR		Adresse : 18	
Raccord		Signal	Position
P1	1	RTN	/25.B3
	2	IN1	/25.E3
	3	24VDC	/25.A3
	4	OUT1	/25.E3
P2	1	RTN	/25.B3
	2	IN2	/25.E3
	3	24VDC	/25.B3
	4	OUT2	/25.E3
P3	1	RTN	/25.B3
	2	IN3	/25.E3
	3	24VDC	/25.B3
	4	OUT3	/25.D3
P4	1	RTN	/25.C3
	2	IN4	/25.D3
	3	24VDC	/25.B3
	4	OUT4	/25.D3
P5	1	30VDC	
	2	RTN	
	3	PID	
	4	PIR	
	5	PIC	
P6	1	DL1	/25.A4
	2	DL2	/25.B4
	3	RTN	/25.B4
	4	30VDC	/25.B4

RS*C15 CAR			
Carte de circuit imprimé : RS14			
Link : CAR		Adresse : 16	
Raccord		Signal	Position
P1	1	RTN	/26.B6
	2	IN1	/26.E6
	3	24VDC	/26.A6
	4	OUT1	/26.E6
P2	1	RTN	/26.B6
	2	IN2	/26.E6
	3	24VDC	/26.B6
	4	OUT2	/26.E6
P3	1	RTN	/26.B6
	2	IN3	/26.E6
	3	24VDC	/26.B6
	4	OUT3	/26.D6
P4	1	RTN	/26.C6
	2	IN4	/26.D6
	3	24VDC	/26.B6
	4	OUT4	/26.D6
P5	1	30VDC	
	2	RTN	
	3	PID	
	4	PIR	
	5	PIC	
P6	1	DL1	/26.A7
	2	DL2	/26.B7
	3	RTN	/26.B7
	4	30VDC	/26.B7

RS*C17 CAR			
Carte de circuit imprimé : RS14			
Link : CAR		Adresse : 17	
Raccord		Signal	Position
P1	1	RTN	/27.B6
	2	IN1	/27.E6
	3	24VDC	/27.A6
	4	OUT1	/27.E6
P2	1	RTN	/27.B6
	2	IN2	/27.E6
	3	24VDC	/27.B6
	4	OUT2	/27.E6
P3	1	RTN	/27.B6
	2	IN3	/27.E6
	3	24VDC	/27.B6
	4	OUT3	/27.D6
P4	1	RTN	/27.C6
	2	IN4	/27.D6
	3	24VDC	/27.B6
	4	OUT4	/27.D6
P5	1	30VDC	
	2	RTN	
	3	PID	
	4	PIR	
	5	PIC	
P6	1	DL1	/27.A7
	2	DL2	/27.B7
	3	RTN	/27.B7
	4	30VDC	/27.B7

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2022-07-27 GCS212MMR / TABLES					OTIS ENGINEERING BERLIN	
TRANSFER					DRAWN C.Zingler 2020-05-05	ORIGINAL DATE
					CHK J.v.Wedelst. 2020-05-05	2020-05-05
		OTIS	APPD A.Jähn 2020-05-05	72 SHEETS		
			AUTH	Location	Masterpage 338 Masterversion V2	SHEET 60

ALL DIMENSIONS METRIC

DRAFTED IN ACCORDANCE WITH OTIS DOCUMENT 52847

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CPI21 CAR					
Carte de circuit imprimé : CPI					
Link : CAR		Adresse : 4			
Raccord	Signal	Position	Raccord	Signal	Position
J2	1	DL1	R4-3	1	RTN
	2	DL2		2	IN3
	3	RTN		3	24VDC
	4	30VDC		4	OUT3
J9	1	+12VS	R4-4	1	RTN
	2	RTN		2	IN4
	3	VAR1+		3	24VDC
	4	VAR1-		4	OUT4
	5	VAR2+	R5-1	1	RTN
	6	VAR2-		2	IN1
J10	1	+12VDC Backup		3	24VDC
	2	RTN		4	OUT1
	3		R5-2	1	RTN
	4			2	IN2
R4-1	1	RTN		3	24VDC
	2	IN1		4	OUT2
	3	24VDC	R5-3	1	RTN
	4	OUT1		2	IN3
R4-2	1	RTN		3	24VDC
	2	IN2		4	OUT3
	3	24VDC	R5-4	1	RTN
	4	OUT2		2	IN4
				3	24VDC
				4	OUT4

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RS\*H37  
HTW

Carte de circuit imprimé : HBB			
Link : HALL		Adresse : 53	
Raccord		Signal	Position
P1	1	RTN	/33.B7
	2	IN1	/33.D7
	3	24VDC	/33.B7
	4	OUT1	/33.D7
P2	1	RTN	/33.B7
	2	IN2	/33.D7
	3	24VDC	/33.B7
	4	OUT2	/33.D7
P6	1	DL1	/33.B7
	2	DL2	/33.B7
	3	RTN	/33.B7
	4	30VDC	/33.B8

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RS*H1 HTW			
Carte de circuit imprimé : HBB			
Link : HALL		Adresse : 21	
Raccord		Signal	Position
P1	1	RTN	/35.C2
	2	IN1	/35.C2
	3	24VDC	/35.C2
	4	OUT1	/35.C2
P2	1	RTN	/35.D2
	2	IN2	/35.D2
	3	24VDC	/35.D2
	4	OUT2	/35.D2
P6	1	DL1	/35.C2
	2	DL2	/35.C2
	3	RTN	/35.C2
	4	30VDC	/35.C2

RS*H2 HTW			
Carte de circuit imprimé : HBB			
Link : HALL		Adresse : 22	
Raccord		Signal	Position
P1	1	RTN	/35.C4
	2	IN1	/35.C4
	3	24VDC	/35.C4
	4	OUT1	/35.C4
P2	1	RTN	
	2	IN2	
	3	24VDC	
	4	OUT2	
P6	1	DL1	/35.C4
	2	DL2	/35.C5
	3	RTN	/35.C5
	4	30VDC	/35.C5

RS*H3 HTW			
Carte de circuit imprimé : HBB			
Link : HALL		Adresse : 23	
Raccord		Signal	Position
P1	1	RTN	/35.C7
	2	IN1	/35.C7
	3	24VDC	/35.C7
	4	OUT1	/35.C7
P2	1	RTN	
	2	IN2	
	3	24VDC	
	4	OUT2	
P6	1	DL1	/35.C7
	2	DL2	/35.C7
	3	RTN	/35.C7
	4	30VDC	/35.C7

CHANGES			
2022-07-27 GCS212MMR / TABLES			TRANSFER

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		OTIS ENGINEERING BERLIN	
		DRAWN C.Zingler 2020-05-05	ORIGINAL DATE
		CHK J.v.Wedelst. 2020-05-05	2020-05-05
AUTH		APPD A.Jähn 2020-05-05	72 SHEETS
		Location	SHEET 63
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RS*H41 HTW			
Carte de circuit imprimé : HBB			
Link : HALL		Adresse : 21	
Raccord		Signal	Position
P1	1	RTN	/36.B2
	2	IN1	/36.D2
	3	24VDC	/36.B2
	4	OUT1	/36.D2
P2	1	RTN	/36.B2
	2	IN2	/36.D2
	3	24VDC	/36.B2
	4	OUT2	/36.D2
P6	1	DL1	/36.B2
	2	DL2	/36.B2
	3	RTN	/36.B2
	4	30VDC	/36.B2

RS*H42 HTW			
Carte de circuit imprimé : HBB			
Link : HALL		Adresse : 22	
Raccord		Signal	Position
P1	1	RTN	/36.B4
	2	IN1	/36.D4
	3	24VDC	/36.B4
	4	OUT1	/36.D4
P2	1	RTN	/36.B4
	2	IN2	/36.D4
	3	24VDC	/36.B4
	4	OUT2	/36.D4
P6	1	DL1	/36.B4
	2	DL2	/36.B4
	3	RTN	/36.B4
	4	30VDC	/36.B4

RS*H43 HTW			
Carte de circuit imprimé : HBB			
Link : HALL		Adresse : 23	
Raccord		Signal	Position
P1	1	RTN	/36.B5
	2	IN1	/36.D5
	3	24VDC	/36.B5
	4	OUT1	/36.D5
P2	1	RTN	/36.B5
	2	IN2	/36.D5
	3	24VDC	/36.B5
	4	OUT2	/36.D5
P6	1	DL1	/36.B6
	2	DL2	/36.B6
	3	RTN	/36.B6
	4	30VDC	/36.B6

CHANGES	
2022-07-27 GCS212MMR / TABLES	TRANSFER
2022-07-27 GCS212MMR / TABLES	

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		OTIS ENGINEERING BERLIN	
DRAWN	C.Zingler	2020-05-05	ORIGINAL DATE
CHK	J.v.Wedelst.	2020-05-05	2020-05-05
APPD	A.Jähn	2020-05-05	72 SHEETS
AUTH		Location	SHEET 64
		Masterpage 348	Masterversion V2

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Explication des symboles des signaux

Entrant - diffusion globale des dessins  
La ligne arrive par le contrôleur suivant

Sortant - diffusion globale des dessins  
La ligne va vers le contrôleur suivant

Conduction through ferrites  
Leitungsführung durch Ferrite

1 turn      => Wire once through ferrite.  
1 Windung   => Draht einmal durch den Ferrit führen.

2 turns        => Wire twice through ferrite.  
2 Windungen   => Draht zweimal durch den Ferrit führen.

RCD1/N

HL1

RF9

PE

Fonction principale de RF9 :

En fonctionnement normal (RCD1 non déclenché), HL1 et HL2 sont reliés au PE. En cas de RCD1 déclenché, la liaison entre HL1 et HL2 est déconnectée du conducteur de protection PE. En cas de problème d'isolation du transformateur, une haute tension peut être transmise au bobinage secondaire. Un danger potentiel existe. Ceci est empêché par les deux diodes du redresseur.

En fonctionnement normal, la tension entre HL1 et PE est moins d'1V et en raison de la baisse de tension (2\*0,7V), aucun courant ne passe sur les diodes.

Si le RCD1 se déclenche et s'il y a un problème d'isolation sur le transformateur, un courant de défaut s'écoule vers le conducteur de protection PE. L'alimentation sur le redresseur n'est que de 1,4V. La sécurité est garantie.

voir page :

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						APPD A.Jähn 2020-05-05		72 SHEETS	
						AUTH		Location	
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SOM and RISER configuration																																		
NOTE: F = First controller M = Middle controller L = Last controller S = Middle controller with SOR2 (only at G3C & NBR2 and G5C & NBR3).																																		
PCB	Group	Contr.	NBR1				NBR2				NBR3				NBR4				NBR5				NBR6				NBR7				NBR8			
			SOM	NOTE	RISE	PAGE	SOM	NOTE	RISE	PAGE	SOM	NOTE	RISE	PAGE	SOM	NOTE	RISE	PAGE	SOM	NOTE	RISE	PAGE	SOM	NOTE	RISE	PAGE	SOM	NOTE	RISE	PAGE	SOM	NOTE	RISE	PAGE
TCBC	G1C	A			X																													
	G2C	A	X	F	X				X																									
		B								X																								
	G3C	A	X	F	X			X	F	X				X				X																
		B	X	M				X	S	X				X																				
C			L					L					L	X																				
GECB	G4C	A	X	F	X		X	F	X		X	F	X				X																	
		B	X	M				L					L				X																	
		C	X	M				X	F	X				X				X																
		D		L					L					X				X																
	G5C	A	X	F	X			X	F	X			X	F	X		X	F	X				X											
		B	X	M				X	M				S	X				L					X											
		C	X	M					L				L						X					X										
		D	X	M				X	F	X			X	F	X				X					X										
		E		L					L				L						X					X										
	G6C	A	X	F	X			X	F	X			X	F	X		X	F	X		X	F	X				X							
		B	X	M				X	M				L					L								X								
		C	X	M					L				X	F	X		X	F	X				X				X							
		D	X	M				X	F	X				L				L						X			X							
		E	X	M				X	M				X	F	X				X						X			X						
		F		L					L					L					X						X			X						
	G7C	A	X	F	X			X	F	X			X	F	X		X	F	X		X	F	X		X	F	X			X				
		B	X	M				X	M				M					L					L				X							
		C	X	M				X	M				L			X	F	X		X	F	X				X			X					
		D	X	M					L			X	F	X				L						X			X							
		E	X	M				X	M	X				L			X	F	X				X			X			X					
		F	X	M				X	M				X	F	X				L						X			X						
		G		L					L					L					X						X			X						
	G8C	A	X	F	X			X	F	X			X	F	X		X	F	X		X	F	X		X	F	X			X				
		B	X	M				X	M				M					L						L				X						
		C	X	M				X	M					L			X	F	X		X	F	X		X	F	X			X				
		D	X	M					L			X	F	X				L						L				X						
		E	X	M				X	F	X			X	M			X	F	X		X	F	X				X			X				
		F	X	M				X	M					L					L						X			X						
G		X	M				X	M				X	F	X		X	F	X				X			X			X						
H			L					L					L					L						X			X							

2022-07-27 GCS212MMR / TABLES

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CONTROLEUR DU MICROPROCESSEUR  
SCHEMA ELECTRIQUE  
GCS 212 MMR  
45SFOH56-PT11  
Tableaux et explications

AUTHLocation

DWG 45SFOH56-GBA21310JE\_G

OTIS ENGINEERING  
BERLIN

DRAWN C.Zingler 2020-05-05

CHK J.v.Wedelst. 2020-05-05

APPD A.Jähn 2020-05-05

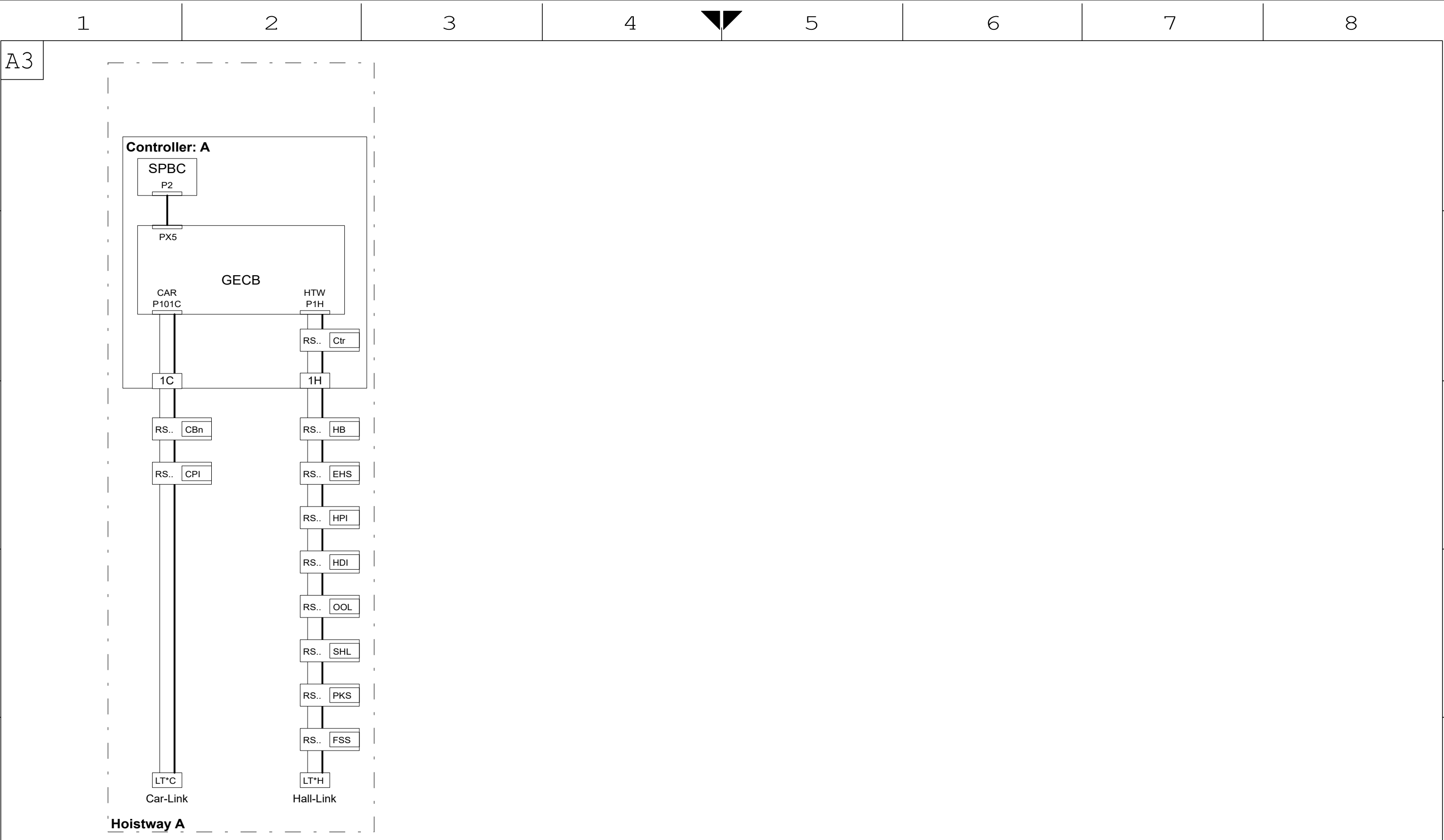
ORIGINAL DATE

2020-05-05

72 SHEETS

SHEET 66

Masterpage 366 Masterversion V2

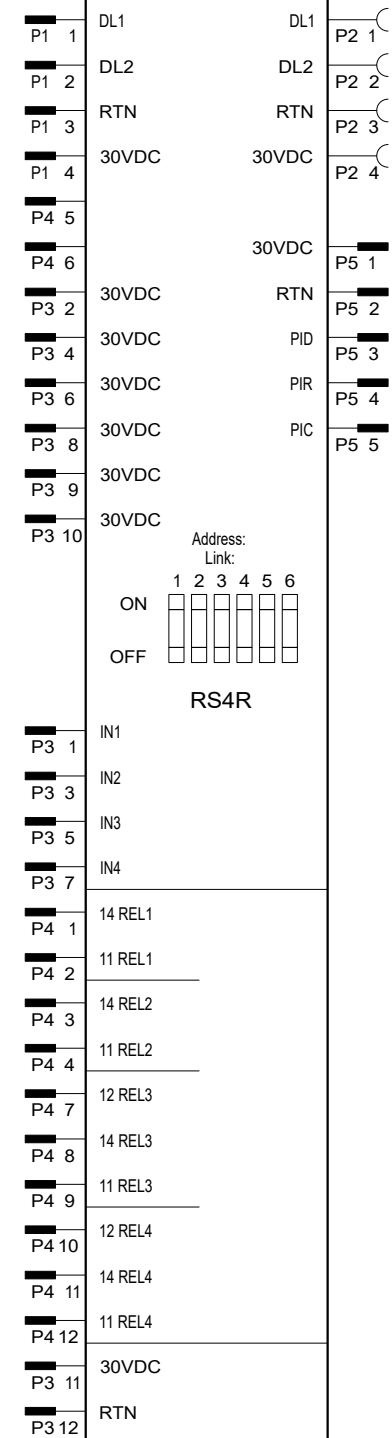
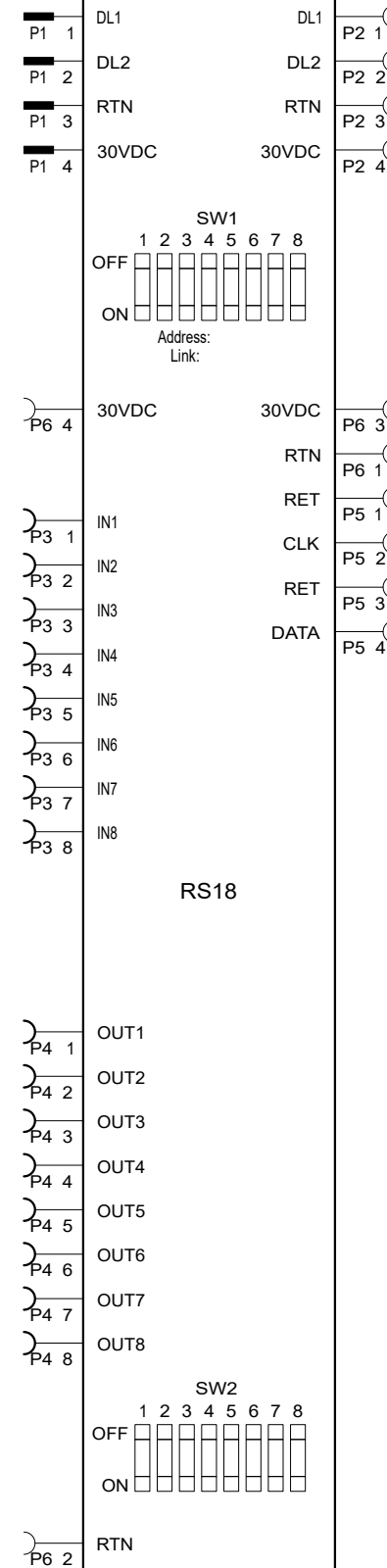
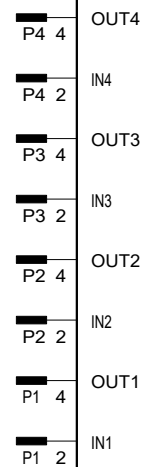
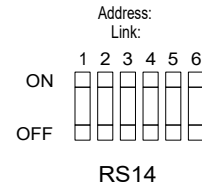
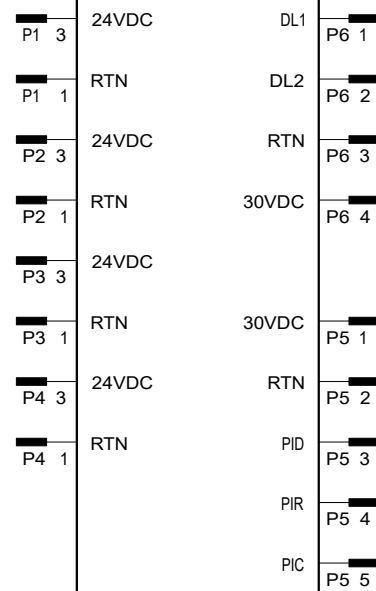
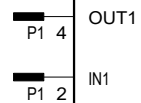
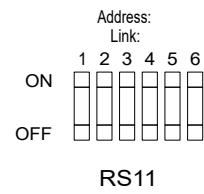
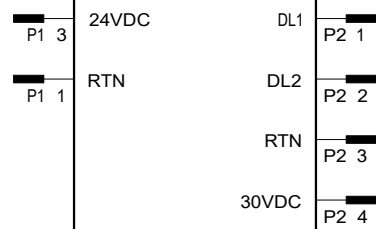


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2022-07-27 GCS212MMR / TABLES		TRANSFER		<div>OTIS</div>		OTIS ENGINEERING BERLIN	
						DRAWN C.Zingler 2020-05-05	ORIGINAL DATE
						CHK J.v.Wedelst. 2020-05-05	2020-05-05
						APPD A.Jähn 2020-05-05	72 SHEETS
				AUTH	Location	Masterpage 368 Masterversion V2	SHEET 67

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## INFORMATIONS GENERALES

### Connector Pin Assignment of Remote Station



## CHANGES

2022-07-27 GCS212MMR / TABLES

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# OTIS

CONTROLEUR DU MICROPROCESSEUR  
 SCHEMA ELECTRIQUE  
 GCS 212 MMR  
 45SFOH56-PT11

Tableaux et explications

DWG 45SFOH56-GBA21310JE\_G

OTIS ENGINEERING  
BERLIN

DRAWN	C.Zingler	2020-05-05	ORIGINAL DATE
CHK	J.v.Wedelst.	2020-05-05	2020-05-05
APPD	A.Jähn	2020-05-05	72 SHEETS
Masterpage 384 Masterversion V2			SHEET 68

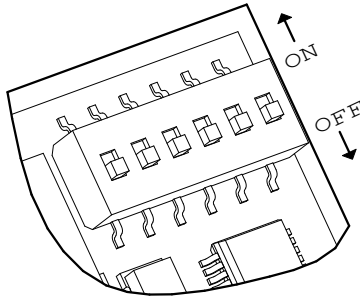
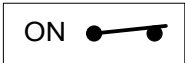
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WITH OTIS DOCUMENT 52847

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INFORMATIONS GENERALES

Position de l'interrupteur pour Remote Station adressage (6 bits)

ON	1	2	3	4	5	6	
OFF							Addr.: 4
ON							
OFF							Addr.: 5
ON							
OFF							Addr.: 6
ON							
OFF							Addr.: 7
ON							
OFF							Addr.: 8
ON							
OFF							Addr.: 9
ON							
OFF							Addr.: 10
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OFF							Addr.: 11
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OFF							Addr.: 62
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OFF							Addr.: 63



CHANGES

2022-07-27 GCS212MMR / TABLES

TRANSFER

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OTIS

CONTROLEUR DU MICROPROCESSEUR  
SCHEMA ELECTRIQUE  
GCS 212 MMR  
45SFOH56-PT11

Tableaux et explications

DWG 45SFOH56-GBA21310JE\_G

OTIS ENGINEERING  
BERLIN

DRAWN	C.Zingler	2020-05-05	ORIGINAL DATE
CHK	J.v.Wedelst.	2020-05-05	2020-05-05
APPD	A.Jähn	2020-05-05	72 SHEETS
Masterpage	385	Masterversion V2	SHEET 69

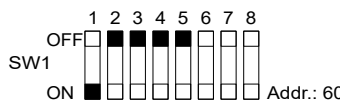
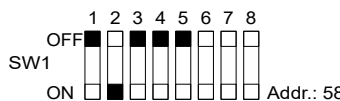
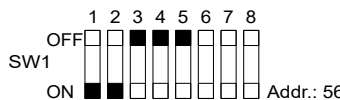
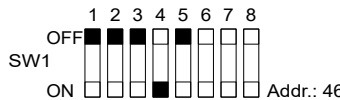
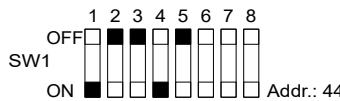
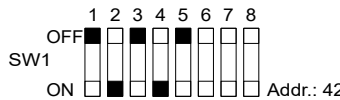
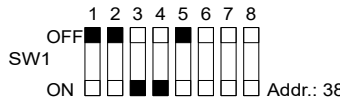
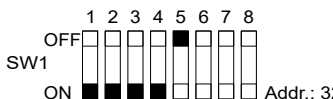
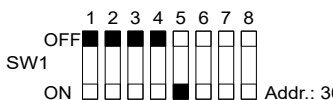
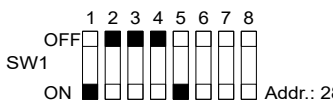
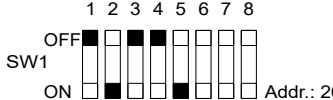
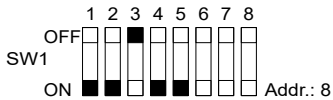
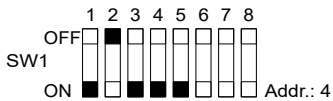
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A3

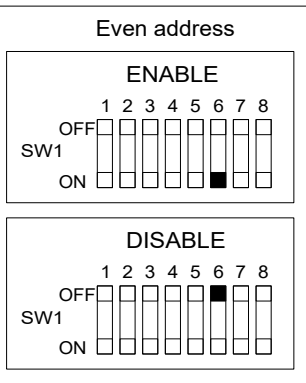
INFORMATIONS GENERALES

Switch setting / configuration for RS 18.

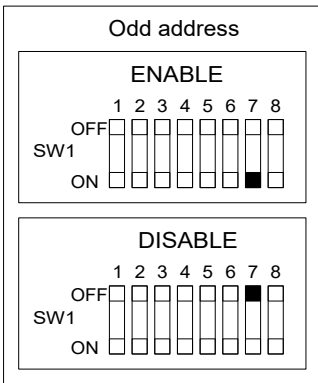
Switch (1-5)



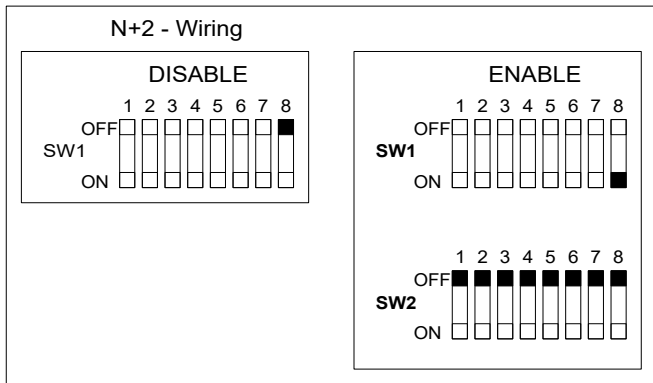
Switch (6)



Switch (7)



Switch (8)

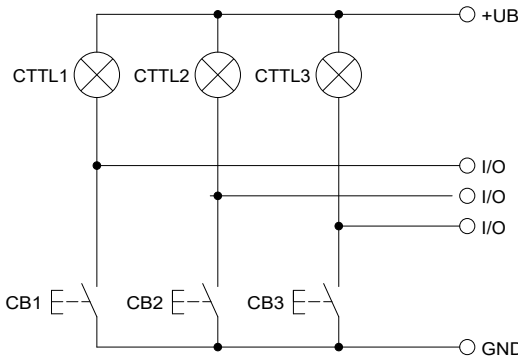


Example for CB1 to CB3



CB1 SW2(1)=on  
CB2 SW2(2)=on  
CB3 SW2(3)=on  
SW2(4)=off  
SW2(5)=off  
SW2(6)=off  
SW2(7)=off  
SW2(8)=off

(N+2) - Wiring Principle



CHANGES

2022-07-27 GCS212MMR / TABLES

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Tableaux et explications

DWG 45SFOH56-GBA21310JE\_G

OTIS ENGINEERING  
BERLIN

DRAWN	C.Zingler	2020-05-05	ORIGINAL DATE
CHK	J.v.Wedelst.	2020-05-05	2020-05-05
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A

B

C

D

E

F

A

B

C

D

E

F

A3

Liste des numéros E/S utilisés

INPUT						
Link	Addr.	I / 0	Symbol	Description	Pin	Page
CAR	04+P1	0001	DOB	Door Open Button	R4-1 : 2	/31.A3
CAR	04+P2	0032	CB 0	Car Button	R4-2 : 2	/31.A3
CAR	04+P3	0033	CB 1	Car Button	R4-3 : 2	/31.A3
CAR	04+P4	0034	CB 2	Car Button	R4-4 : 2	/31.A3
CAR	05+P1				R5-1 : 2	/31.A3
CAR	05+P2				R5-2 : 2	/31.A3
CAR	05+P3				R5-3 : 2	/31.A3
CAR	05+P4				R5-4 : 2	/31.A3
CAR	08+P1				P1 : 2	/30.B7
CAR	08+P2	0003	DCB	Door Close Button	P2 : 2	/30.C7
CAR	08+P3	0004	ISS	Independent Service Switch	P3 : 2	/30.C7
CAR	08+P4				P4 : 2	/30.E7

CAR	16+P1				P1 : 2	/26.E6
CAR	16+P2	0783	TCIB	Top Of Car Inspection Button	P2 : 2	/26.E6
CAR	16+P3	0691	TCI	Top of car Inspection Switch	P3 : 2	/26.E6
CAR	16+P4				P4 : 2	/26.D6
CAR	17+P1	0000	DOL	Door Open Limit	P1 : 2	/27.E6
CAR	17+P2				P2 : 2	/27.E6
CAR	17+P3	0607	LRD	Light Ray Device	P3 : 2	/27.E6
CAR	17+P4	0605	DOS / SGS	Door Opening Signal / Safety Gate Shoe	P4 : 2	/27.D6
CAR	18+P1				P1 : 2	/25.E3
CAR	18+P2				P2 : 2	/25.E3
CAR	18+P3	0705	TDOB	Top of car Door Open Button	P3 : 2	/25.E3
CAR	18+P4	0706	TDCB	Top of car Door Close Button	P4 : 2	/25.D3
HALL	21+P1	0096	HB 0	Hall Button	P1 : 2	/35.C2
HALL	21+P2				P2 : 2	/35.D2
HALL	21.+P1				P1 : 2	/36.D2
HALL	21.+P2	0192	EHC 0	Emergency Hospital Call 0	P2 : 2	/36.D2
HALL	22+P1	0097	HB 1	Hall Button	P1 : 2	/35.C4
HALL	22+P2				P2 : 2	
HALL	22.+P1				P1 : 2	/36.D4
HALL	22.+P2	0193	EHC 1	Emergency Hospital Call 1	P2 : 2	/36.D4
HALL	23+P1	0098	HB 2	Hall Button	P1 : 2	/35.C7
HALL	23+P2				P2 : 2	
HALL	23.+P1				P1 : 2	/36.D5
HALL	23.+P2	0194	EHC 2	Emergency Hospital Call 2	P2 : 2	/36.D5

HALL	53+P1				P1 : 2	/33.D7
HALL	53+P2	0016	EFK	Emergency Fireman Keyswitch	P2 : 2	/33.D7
CAR	56+P1	0224	FPD 0	Fire Proof Door 0	P3 : 1	/17.B6
CAR	56+P2	0225	FPD 1	Fire Proof Door 1	P3 : 2	/17.B6

OUTPUT						
Link	Addr.	I / 0	Symbol	Description	Pin	Page
CAR	04+P1				R4-1 : 4	/31.A3
CAR	04+P2	0032	CTTL 0	Tell Tale Light 0	R4-2 : 4	/31.A3
CAR	04+P3	0033	CTTL 1	Tell Tale Light 1	R4-3 : 4	/31.A3
CAR	04+P4	0034	CTTL 2	Tell Tale Light 2	R4-4 : 4	/31.A3
CAR	05+P1				R5-1 : 4	/31.A3
CAR	05+P2				R5-2 : 4	/31.A3
CAR	05+P3				R5-3 : 4	/31.A3
CAR	05+P4				R5-4 : 4	/31.A3
CAR	08+P1				P1 : 4	/30.B7
CAR	08+P2	0023	BUZ	Buzzer	P2 : 4	/30.C7
CAR	08+P3	0709	EML	Evacuation Message Light	P3 : 4	/30.D7
CAR	08+P4	0022	OLS	Over Load Signal	P4 : 4	/30.E7
CAR	08.+P1				:1	/31.A3
CAR	08.+P2				:2	/31.A3
CAR	08.+P3				:3	/31.A3
CAR	08.+P4				:4	/31.A3
CAR	16+P1				P1 : 4	/26.E6
CAR	16+P2				P2 : 4	/26.E6
CAR	16+P3	0993	DOOR_ST3	ST3 for front+rear D01000 (DCSS5)	P3 : 4	/26.D6
CAR	16+P4	0996	DOOR_ST3R	ST3 for rear D01000 (DCSS5)	P4 : 4	/26.D6
CAR	17+P1				P1 : 4	/27.E6
CAR	17+P2				P2 : 4	/27.E6
CAR	17+P3	0991	DOOR_ST1	ST1 for front D01000 (DCSS5)	P3 : 4	/27.D6
CAR	17+P4	0992	DOOR_ST2	ST2 for front D01000 (DCSS5)	P4 : 4	/27.D6
CAR	18+P1	0647	SSM1	Speech Synth. Cmd 1	P1 : 4	/25.E3
CAR	18+P2	0648	SSM2	Speech Synth. Cmd 2	P2 : 4	/25.E3
CAR	18+P3	0649	SSM3	Speech Synth. Cmd 3	P3 : 4	/25.D3
CAR	18+P4	0650	SSM4	Speech Synth. Cmd 4	P4 : 4	/25.D3
HALL	21+P1	0096	HBTTL 0	Tell Tale Light 0	P1 : 4	/35.C2
HALL	21+P2				P2 : 4	/35.D2
HALL	21.+P1				P1 : 4	/36.D2
HALL	21.+P2				P2 : 4	/36.D2
HALL	22+P1	0097	HBTTL 1	Tell Tale Light 1	P1 : 4	/35.C4
HALL	22+P2				P2 : 4	
HALL	22.+P1				P1 : 4	/36.D4
HALL	22.+P2				P2 : 4	/36.D4
HALL	23+P1	0098	HBTTL 2	Tell Tale Light 2	P1 : 4	/35.C7
HALL	23+P2				P2 : 4	
HALL	23.+P1				P1 : 4	/36.D5
HALL	23.+P2				P2 : 4	/36.D5
HALL	42.+P3				J1 :-	/32.B1
HALL	42.+P4				J1 :-	/32.B1
HALL	43.+P3				J1 :-	/32.B3
HALL	43.+P4				J1 :-	/32.B3
HALL	44.+P3				J1 :-	/32.B4
HALL	44.+P4				J1 :-	/32.B4
HALL	53+P1				P1 : 4	/33.D7
HALL	53+P2	0716	EFL	Emergency Fireman Light	P2 : 4	/33.D7
CAR	56+P1				P4 : 1	/17.D6
CAR	56+P2				P4 : 2	/17.D6

CHANGES

2022-07-27 GCS 212 MMR

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Liste E/S

DWG 45SFOH56-GBA21310JE\_G


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BERLIN

DRAWN	C.Zingler	2020-05-05	ORIGINAL DATE
CHK	J.v.Wedelst.	2020-05-05	2022-07-27
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A	A3	Liste des numéros E/S utilisés									
		INPUT					OUTPUT				
		Link	Addr.	I / 0	Symbol	Description	Pin	Page	Link	Addr.	I / 0
		CAR	56+P3	0226	FPD 2	Fire Proof Door 2	P3 :3	/17.C6	CAR	56+P3	
		CAR	56+P4				P3 :4	/17.C6	CAR	56+P4	
		CAR	57+P1				P3 :5	/17.C6	CAR	57+P1	
		CAR	57+P2				P3 :6	/17.C6	CAR	57+P2	
		CAR	57+P3				P3 :7	/17.C6	CAR	57+P3	
		CAR	57+P4				P3 :8	/17.C6	CAR	57+P4	
		CAR	62+P1	1157	ServInC	Service Button input - car link	P1 :2	/18.C4	CAR	62+P1	1158
B											
C											
D											
E											
F											

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						AUTH		Location		Masterpage Masterversion V2	
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