

Circuit diagram 223

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STOLL

Computer OKC6, Ident. No.: 267 956.02

CMS	502HP+	530HP	520C											
Typ	658 668	642 643	652											
Circuit diagram 223	X	X	X											

ELECTRICAL DATA OF CMS MACHINES

Mains voltage : 230/400V (CMS 520, CMS530)
230V (CMS 502)
±10% 50/60 Hz
Phase number :1 or 2
Rated current F0 :10A
Main fuse (of customer) :16 A slow-blow fuse

Mains connection:

Caution! Before connecting check for the mains voltage which is at the operating place of the machine.

The connection of external electrical and electronical assemblies to the internal wiring of the machine is generally not allowed.

A guarantee for a faultless function of the machine cannot be ensured in those cases.

When operating the machine via a generator take care that the requirement to the mains voltage is carried out according to EN 60204-1 paragr. 4.3.1.

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Spalte X: eine automatisch erzeugte Seite wurde manuell nachbearbeitet

ESSJ0100

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26	inputs I/O-card		19.11.15	KEH	
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Identification of the plug connectors, sensors and actuators

A__	Assemblies
B	Switches
E__	Lighting; Ventilator
F__	Fuses
J__	The card plug connector of the wiring system __ stands for the last three numbers of the respective Ident. number (example: Id.301023→ J023)
K__	Relays
M__	Motors
P__	Signal equipment
Q__	Brakes, magnets
T__	Transformers
W__	Cable
V__	Interference suppressors
XR__	Plug connectors on the wiring systems in the left control unit (cable outlets)
XT__	Plug connectors on the transformer
XZ__	Plug connectors on the consumer or switch gear

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Computer OKC5, Ident. No.: 267 956.02

Identifier EN 61346-2	Designation	Value/function	Ident No. CMS 502	Ident No. CMS 530, 520C	
A1	Control cabinet.		269 696	269 474	
A6	Battery plug-in unit		301 027	301 027	
A7	Card Engaging		259 000	259 000	
A8	Magnet switch shrouding covers outside		256 666	264 696	
A10	Yarn control device		267212	267 212 (530) 237 124 (520C)	
A12	Impulse giver auxiliary take-down		----	217 462	
A14	Magnet switch shrouding covers in the middle		256 666	264 695	
A15	Racking – limit switch jack		229 396	229 396	
A21	Main switch		269 633	265 631	
A22	Central oil lubricating pump	Partly optional	----	235 068	
A23re	Length measuring device	optional	257 282	257 282	
A23li	Length measuring device	optional	257 283	257 283	
A24	Shock stop motion (Piezo)		220 011	220 011	
A26	Slack tensioner left.		---	241 345	
A27	Slack tensioner right.		241 346	241 346	
A28	Safety relay light curtain		----	----	
A29	Card rectifier transformer		267 335	267 335	
A30	Posifeed	optional			
B10	Switch Protective hood on the right		223 350	223 350	
B12	Switch Protective hood on the left		223 350	223 350	
B S14	Switch take-down closed		026 259	026 259	
B15li	Slack tensioner on the left	in A26	----	x	
B15re	Slack tensioner on the right	in A27	x	x	
B S16	Microswitch Winding plate		267 012	267 012	
B S16a	Microswitch front winding plate		222 063	222 063	
B20	Comb reference at the top		231 516	231 516	
B21	Comb reference bottom		231 520	231 520	
B22	Comb Light barrier		243 355	243 355	
B S23	Switch Cover plate Comb		026 259	026 259	
B S24	Switch comb hook		026 259	026 259	
B 27	Float switch central lubrication	in A22	----	x	
B 28	Oil pressure switch central lubrication	in A22	----	x	
B S30	Switch auxiliary take-down open		----	026 259	
B31	Thermoswitch fluff absorption turbine	in M 9	----	x	
B32	Switch winding plate feed wheel		008 529	008 529	
B41li	Thermoswitch feed wheel left	in M 7	----	x	
B41re	Thermoswitch feed wheel right	in M 7	x	x	
B48	Release signalling switch of main switch	in A21	236 065	236 065	
B S49	Cover plate Comb depressed		026 259	026 259	
B50	Safety light curtain cascade		----	----	
B51	Safety light curtain end device		----	----	
B52	Thermoswitch rectifier	in A29	x	x	
E1	Machine lighting at the top		268 722	264759	
E3	Ventilator drive motor		254 872	254 872	
E4	Ventilator control unit on the right (servo)	in A2	229 059	229 059	
Q1	Protective motor switch	in A21	235 115	235 115	
F 8	Servo	8AT / 440V	241 866	241 866	
F11	Power supply	20AT / 80V	267 336	267 336	
F12	Power supply	20AT / 80V	267 336	267 336	
F20	Fluff absorption (FLENT)	8AT / 440V	241 866	241 866	

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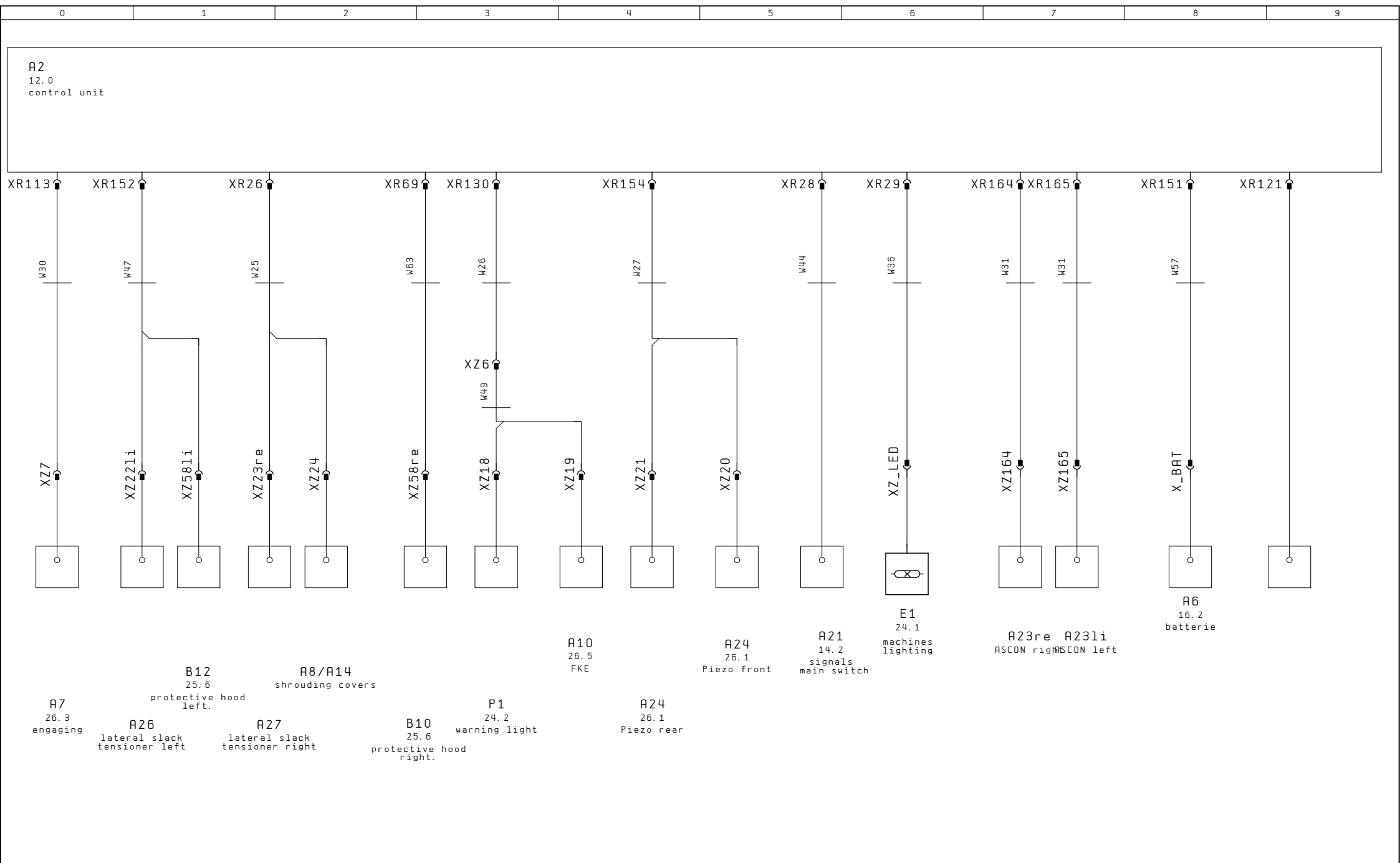
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F Si1	28V protected (switch)	1,0 AF	008 748	008 748	
F Si2	28V Length measuring device	1,0 AF	008 748	008 748	
F Si3	Fuse of yarn control unit	1,0 AF	008 748	008 748	
F Si5	Ballast servo (on relay card J953/J007)	1,6 AT /440V	236 229	236 229	
F Si6	Fuse of battery plug-in unit	6,3AT	026 809	026 809	
P1	Warning light complete		240 395	240 395	
P2	Warning light green	in P1	x	x	
P2.1	Warning light yellow	in P1	x	x	
P3	Signal transmitter (horn)	in P1	x	x	
K15A	Relay fluff absorption	in T1	----	267 334	
K16A	Relay fluff absorption	in A22	----	x	
M 1	Drive motor		240 740	240 740	
M 2	Rear racking motor		259 115	259 115	
M 3	Take-down motor		259 655	259 655	
M 4	Comb motor		259 655	259 655	
M 5	Auxiliary take-down motor		264 923 (opt)	264 923	
M 6	Comb hook motor		259 009	259 009	
M 7	Friction feed wheels		219 800	219 800	
M 9	Suction turbine fluff absorption (FLENT)		----	262 592	
M 14	Central lubrication of motor pump	in A22	----	x	
Q1	Magnet machine execute	in A21	235 116	235 116	
Q2	Magnet Engaging rod		026 233	026 233	
Q5	Brake motor take-down	in M3	x	x	
Q6	Brake motor comb	in M4	x	x	
T1	Main transformer		262 020	262 020	
W 1	Cable drive motor		262 235	262 235	
W 2	Cable resolver drive		262 236	262 236	
W 3	Cable racking motor		262 237	262 237	
W 4	Cable resolver racking		262 238	262 238	
W 9	Cable fabric take-down motor		240 291	240 291	
W11	Cable comb motor		260 324	260 324	
W12	Cable auxiliary take-down motor		260 326	260 326	
W13	Cable comb hook motor		----	265 676	
W14	Cable feed wheel on the left		260 328	260 328	
W15	Cable feed wheel on the right		240 464	240 464	
W20	Cable switch main take-down		240 294	240 294	
W22	Cable racking limit switch		262 240	262 240	
W25	Cable protective units on the right		240 292	240 292	
W26	Cable yarn tensioner , warning light , horn		265 694	265 694	
W27	Cable piezo sensor		266 268	266 268	
W28	Cable switch comb		240 518	240 518	
W29	Cable encoder auxiliary take-down		262 241	262 241	
W30	Cable engaging		265 698	265 698	
W31	Cable Length measuring device	optional	252 538	252 538	
W36	Cable lighting LED		257 239	257 239	
W37	Cable Power supply SERVO		257 239	257 239	
W39	Cable Power supply		261 351	261 351	
W40	Cable power supply central lubrication	Partly optional	----	254 098	
W41	Cable control central lubrication	Partly optional	----	254 099	
W42	Cable switch auxiliary take down		240 472	240 472	
W43	Cable switch Comb hook		240 309	240 309	
W44	Cable signals main switch		240 517	240 517	

Circuit diagram 223

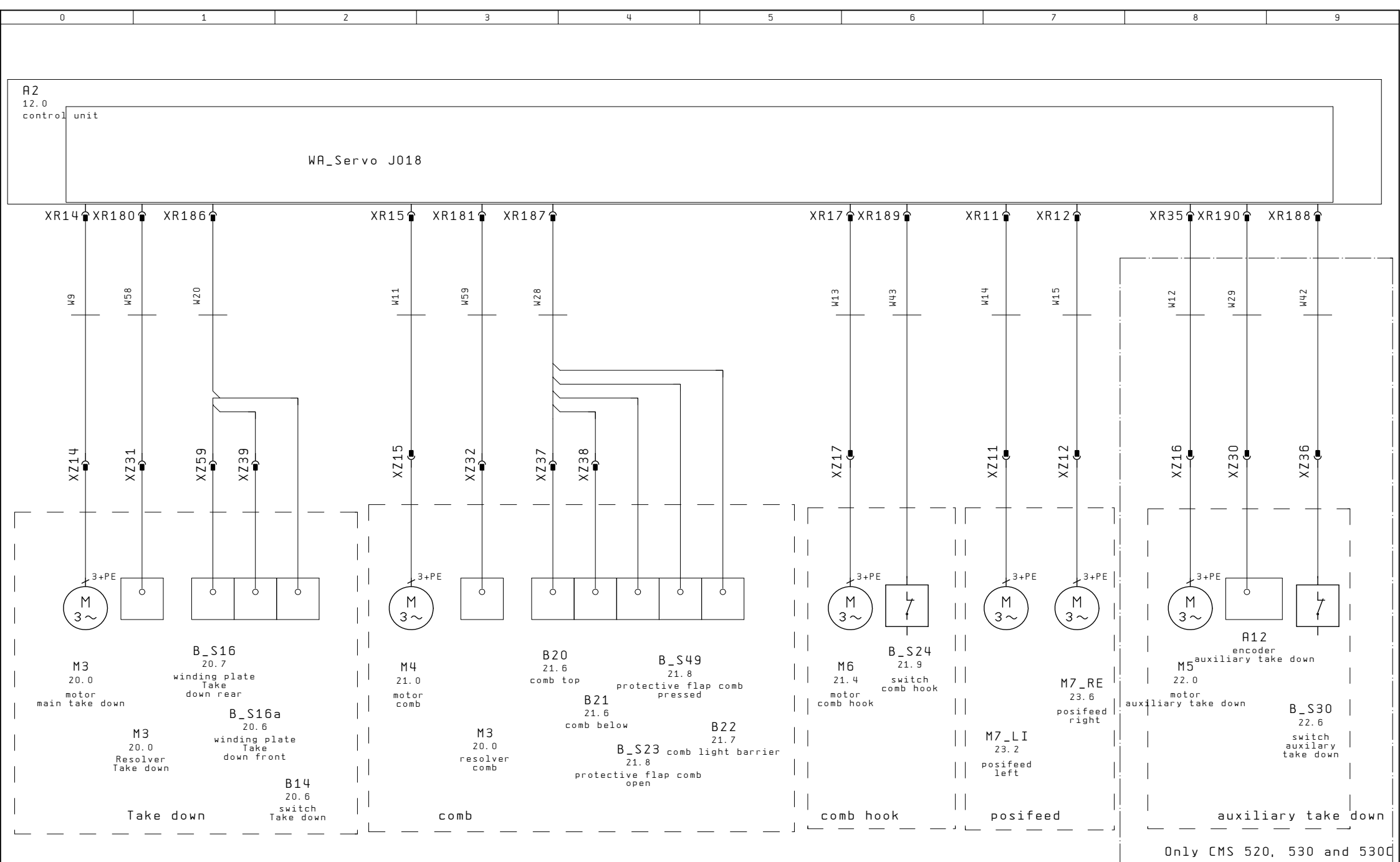
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Computer OKC5, Ident. No.: 267 956.02

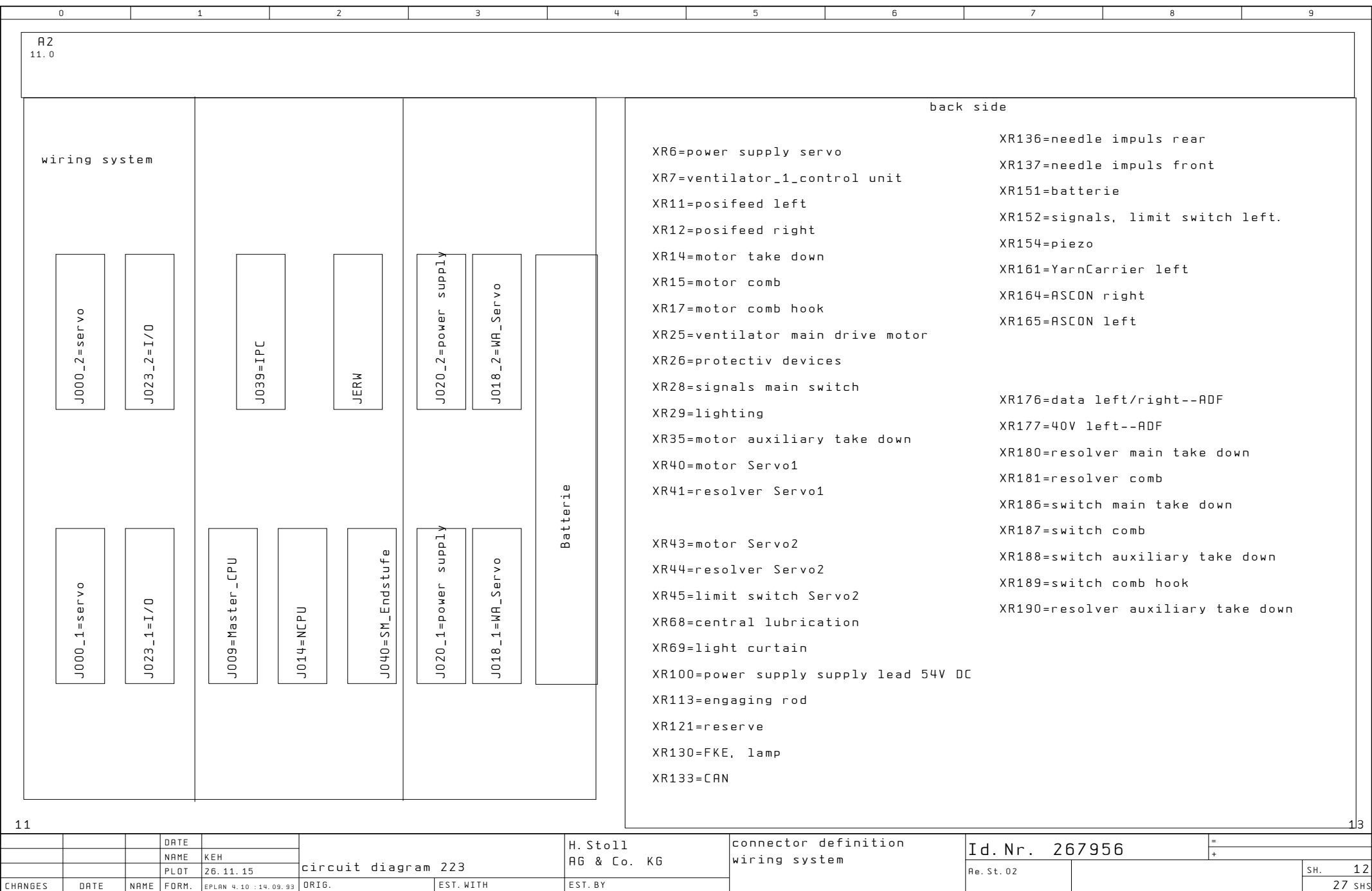
Identifier EN 61346-2	Designation	Value/function	Ident No. CMS 502	Ident No. CMS 530, 520C	
W45	Cable ventilator drive		240 293	240 293	
W47	Cable protective units left		253 620	253 620	
W48	Cable mains supply transformer		250 364	250 364	
W49	Cable mains supply yarn control device,warning light		239 749	239 749	
W50	Cable DUT		263 965	235 283	
W51	Cable Displayport		263 964	242 421	
W57	Cable batterie pug-in unit		260 330	260 330	
W58	Cable resolver take Down		260 325	260 325	
W59	Cable resolver comb		260 327	260 327	
W60	Cable +40V ADF		----	----	
W61	Cable data Servo ADF		----	----	
W62	Cable safety curtain ADF		----	----	
W63	Cable protective cover right		265 696	265 696	
V1	Power line filter		262 386	265 315	



			DATE		circuit diagram 223	H.Stoll AG & Co. KG	block diagram signals control unit	Id. Nr. 267956		=		
			NAME	KEH				+				
			PLOT	26.11.15								
CHANGES	DATE	NAME	FORM.	EPLAN 4.10 :14.09.93	ORIG.	EST. WITH	EST. BY	Re. St. 02		SH.	9	
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9										11																	
			DATE							H.Stoll			block diagram WA Servo				Id. Nr. 267956			=							
			NAME		KEH		circuit diagram 223					AG & Co. KG							+								
			PLOT		26.11.15																						
CHANGES		DATE		NAME		FORM.		EPLAN 4.10 : 14.09.93			ORIG.			EST. WITH			EST. BY			Re. St. 02						SH. 10	
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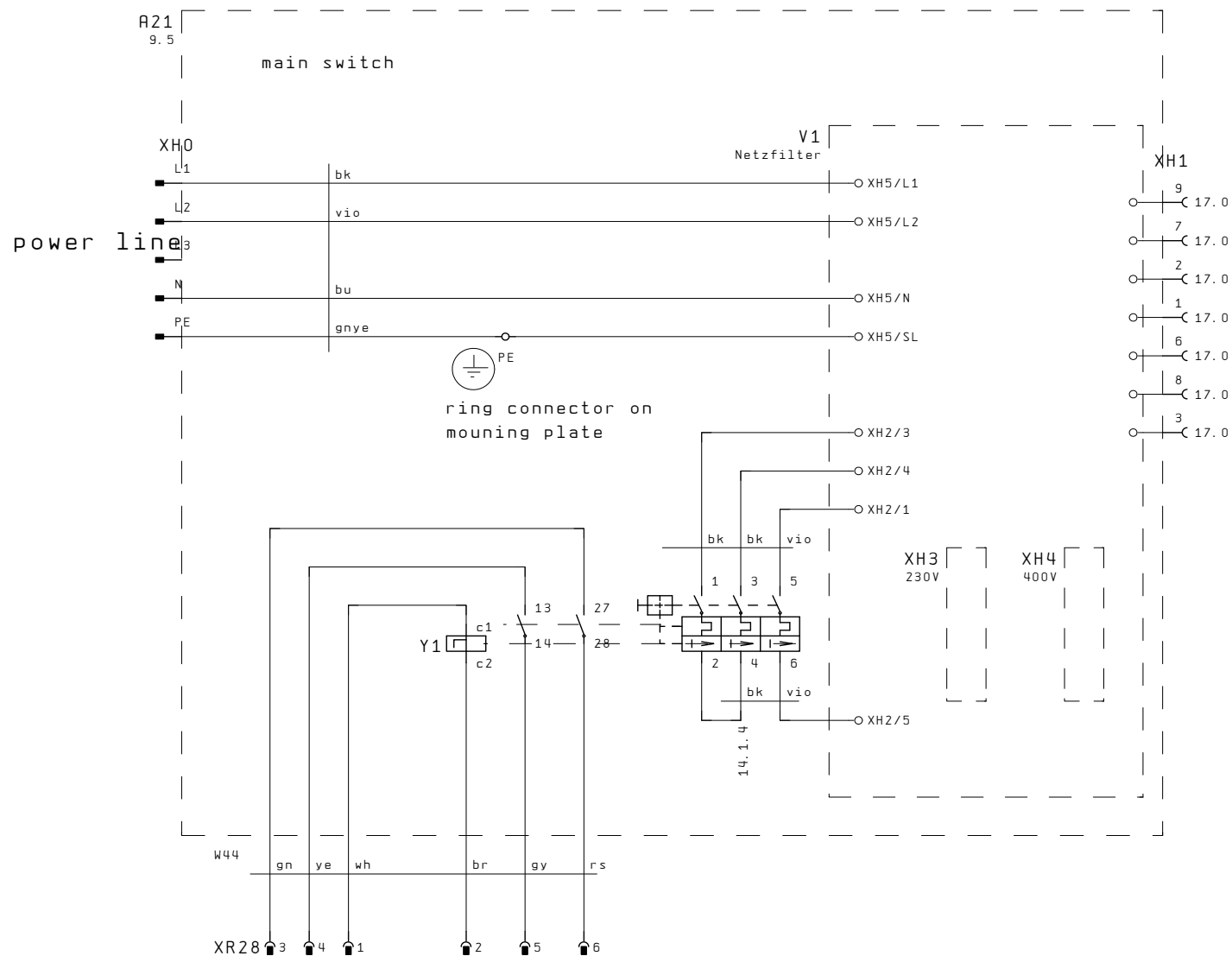
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transformer
XT7=servo
XT8=FLENT
XT9=power supply
XT10=posifeed
XT11=central lubrication

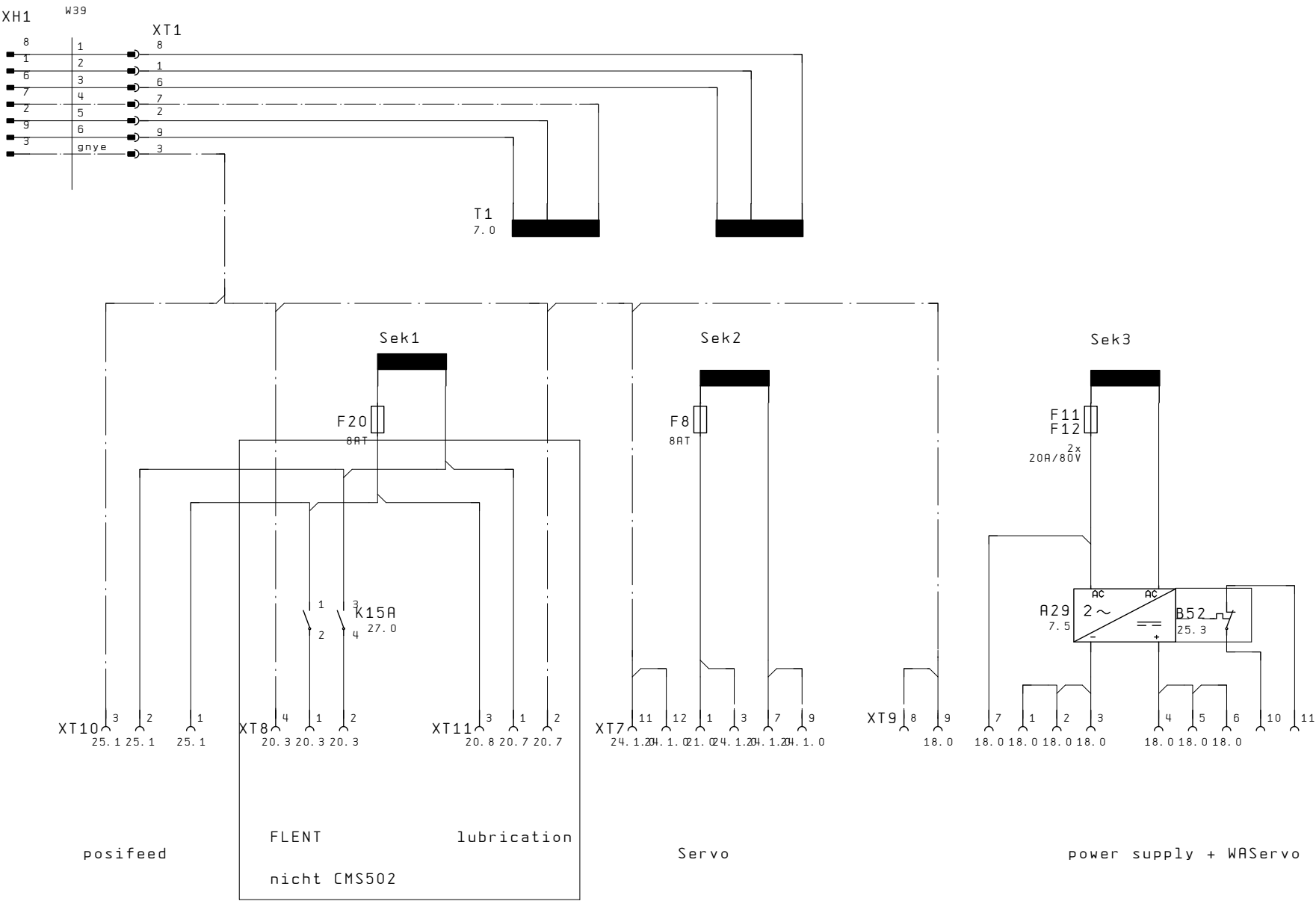
main switch
XH0=main connection main switch
XH1=power transformer
XH2=main connection main switch
XH3=230V
XH4=400V
XH5=EMI-Filter

sensors / actuator external	
XZ4=resolver main drive	XZ23re=lateral slack tensioner right
XZ5=resolver racking	XZ24=shrouding covers
XZ6=connector FKE, warning light	XZ31=encoder Take down
	XZ32=encoder comb
XZ8=motor main drive	XZ34=brake /temperature comb
XZ9=motor racking	XZ35=brake /temperature Take down
XZ11=posifeed left	XZ37=position comb top
XZ12=posifeed right	XZ38=position comb below
XZ14=motor Take down	XZ39=winding plate Take down rear.
XZ15=motor comb	XZ58re=protective hood right
XZ16=motor auxiliary take down	XZ59=winding plate Take down front.
XZ17=motor comb hook	XZ45=limit switch racking
XZ18=warning light	
XZ19=FKE	
XZ20=Piezo NB front	
XZ21=Piezo NB rear	

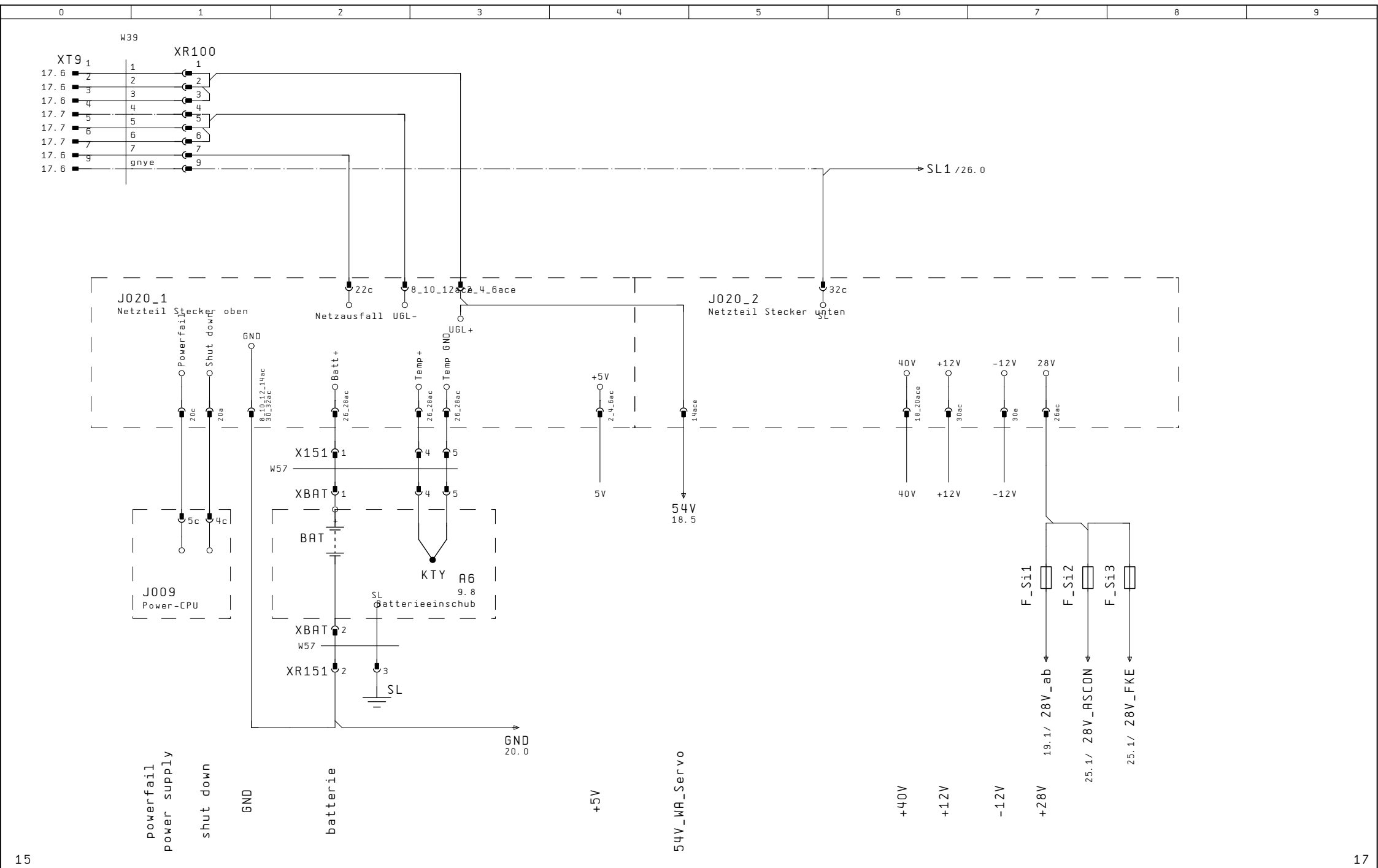
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CHANGES	DATE	NAME	FORM.	EPLAN 4.10 : 14.09.93	ORIG.	EST. WITH	EST. BY					27 SHS



			DATE		circuit diagram 223		H.Stoll AG & Co. KG	power line	Id.Nr. 267956			
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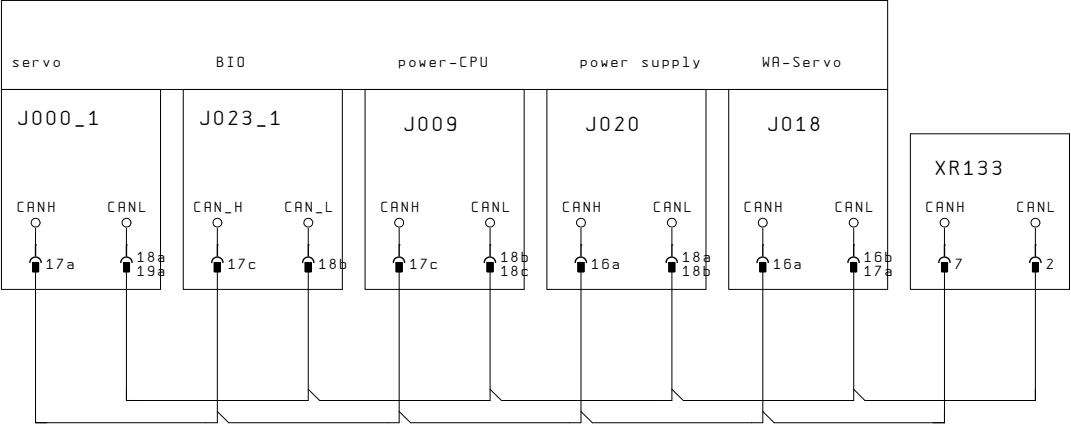


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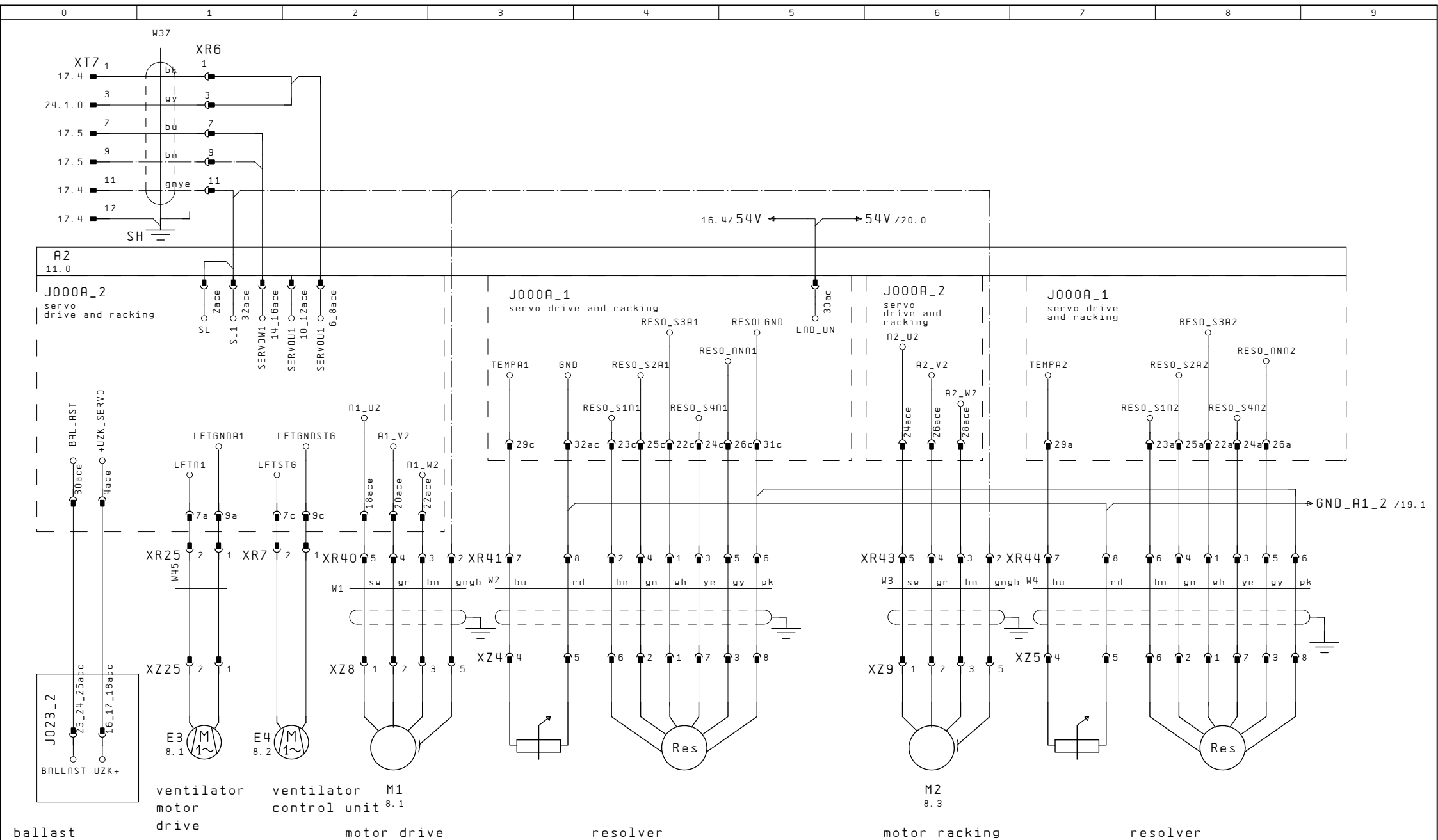


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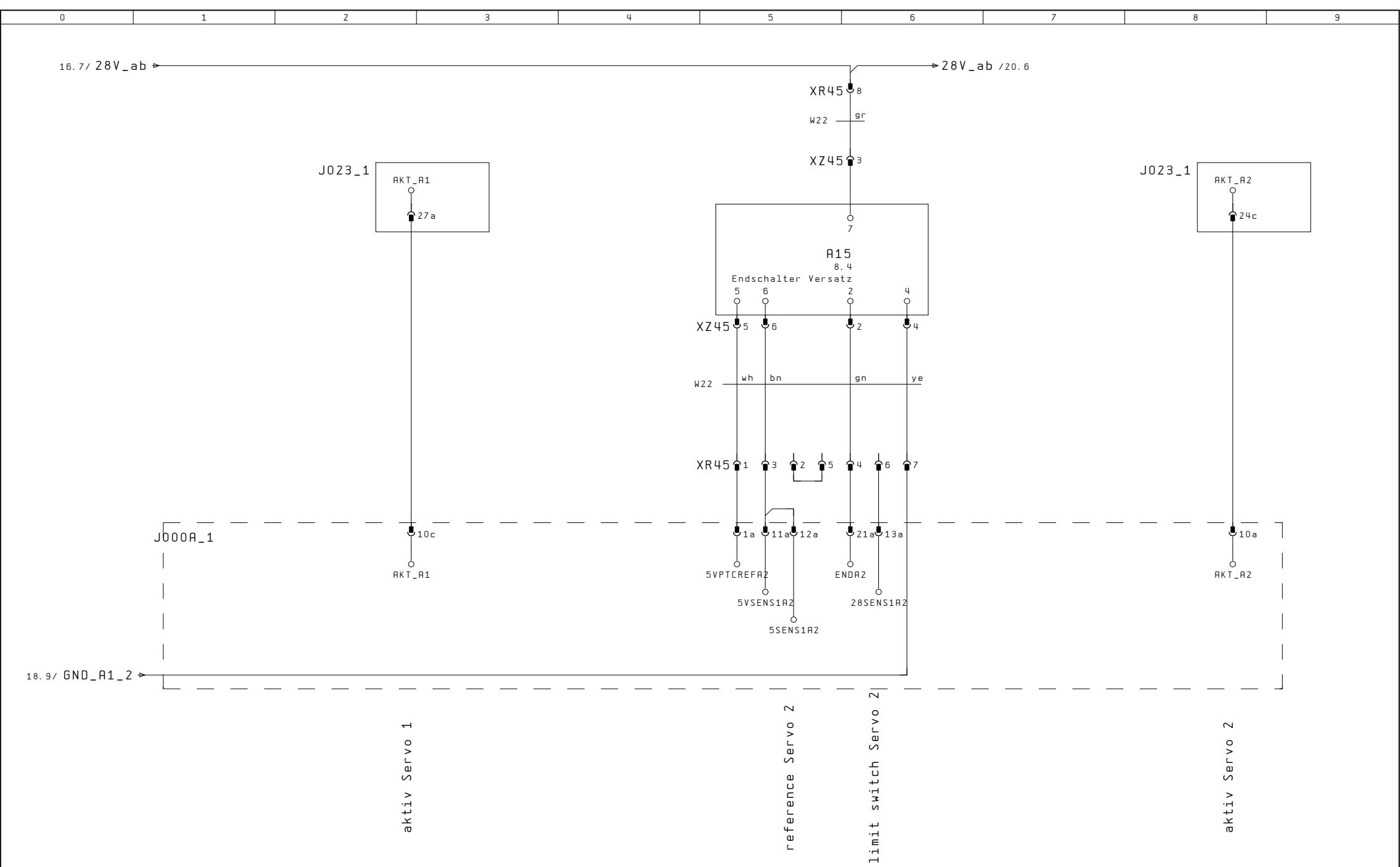
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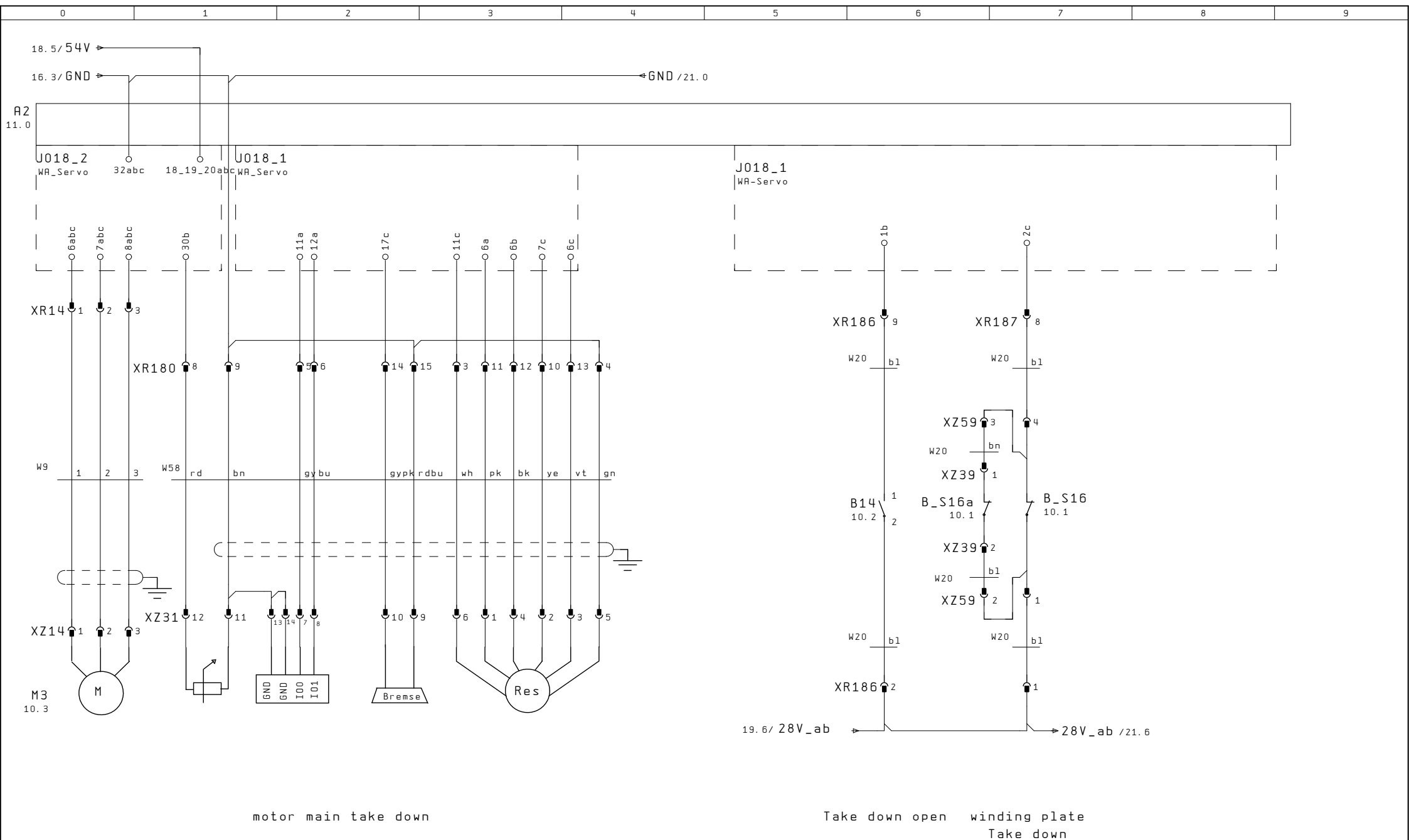
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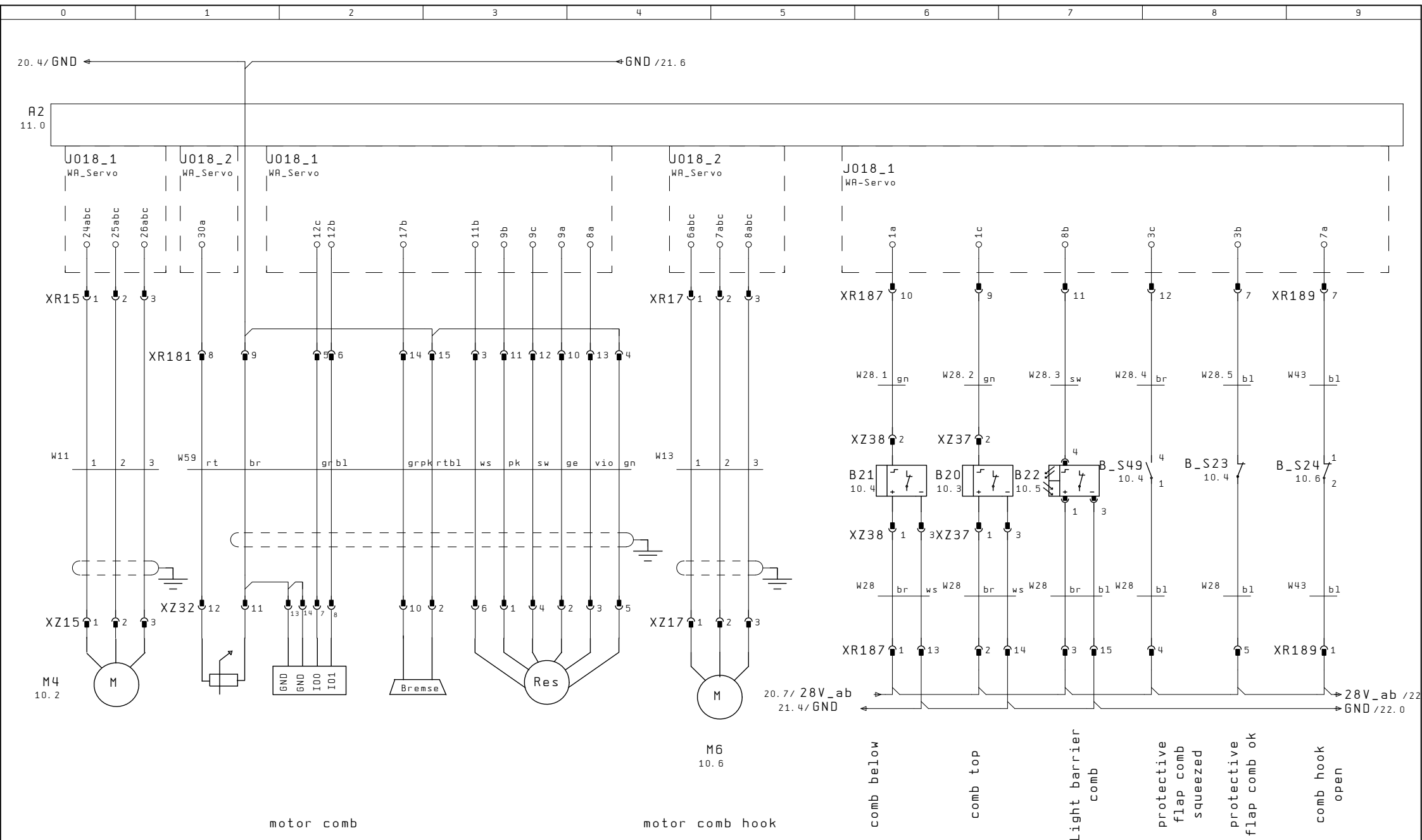
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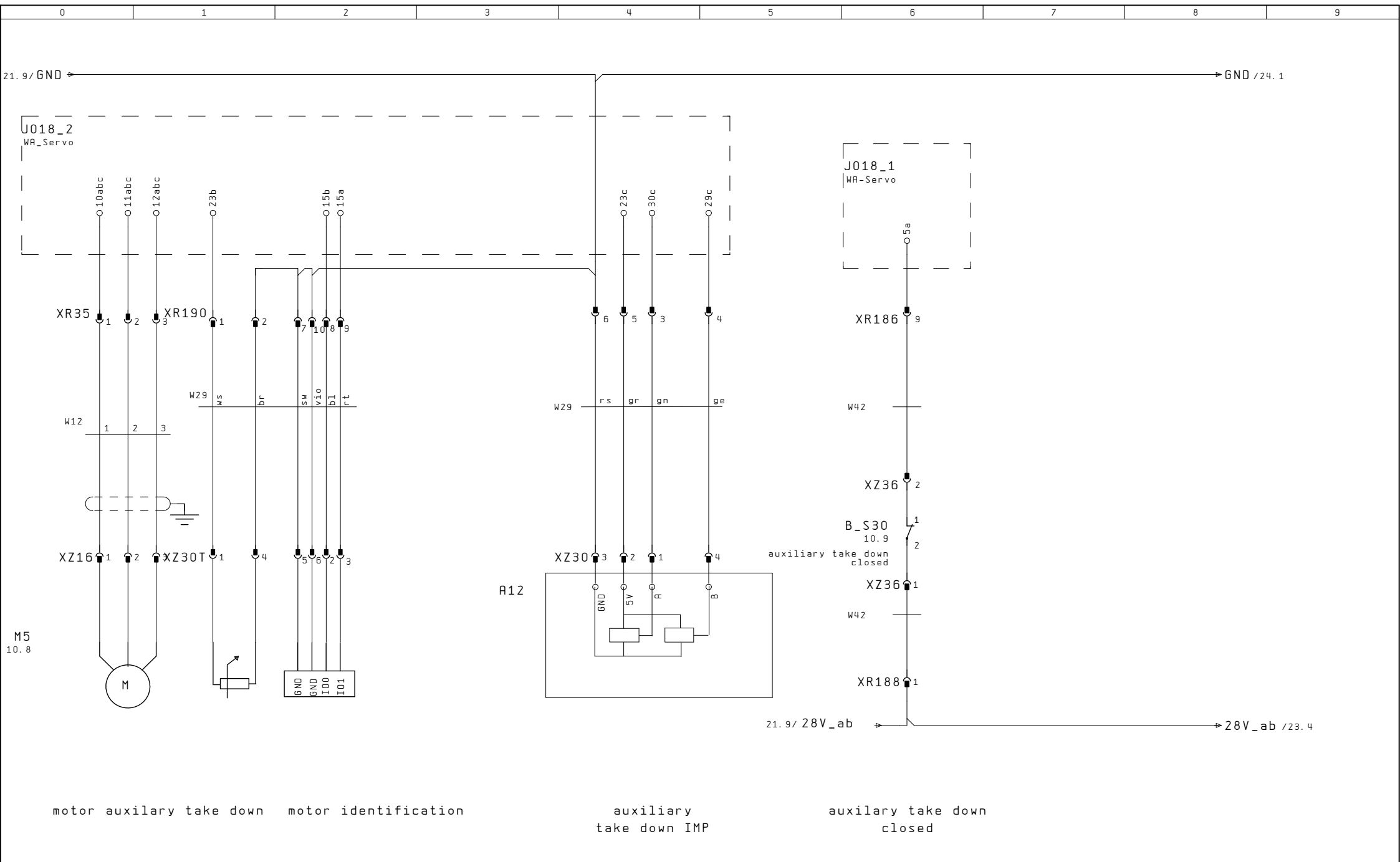
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19										21									
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20										22									
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21										23									
			DATE		circuit diagram 223				H.Stoll AG & Co. KG		auxiliary take down		Id. Nr. 267956		=		+		
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			PLOT	26.11.15															
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										27 SHS									

