

Circuit diagram 223

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STOLL

Computer OKC5, Ident. No.: 267 956.01

CMS	502HP	530HP	520C	ADF											
Typ	645 646	642 643	647	686											
Circuit diagram 223	X	X	X	X											

ELECTRICAL DATA OF CMS MACHINES

Mains voltage : 230/400V
 $\pm 10\%$ 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

ESSJ010D

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27	fluff elemination + central lubrication		24.06.14	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.: 267 956.01

Identifier EN 61346-2	Designation	Value/function	Ident No. CMS 502	Ident No. CMS 530, 520C	Ident No. ADF
A1	Control cabinet.		265 464	265 464	268 065
A6	Battery plug-in unit		301 027	301 027	301008
A7	Card Engaging		259 000	259 000	259 000
A8	Magnet switch shrouding covers outside		256 666	264 696	256 667
A10	Yarn control device		237 124	237 124	237 124
A12	Impulse giver auxiliary take-down		----	217 462	217 462
A14	Magnet switch shrouding covers in the middle		256 666	264 695	256 666
A15	Racking – limit switch jack		229 396	229 396	229 396
A21	Main switch		265 631	265 631	259 098
A22	Central oil lubricating pump	Partly optional	----	235 068	235 068
A23re	Length measuring device	optional	257 282	257 282	257282
A23li	Length measuring device	optional	257 283	257 283	257283
A24	Shock stop motion (Piezo)		220 011	220 011	220 011
A26	Slack tensioner left.		---	241 345	241345
A27	Slack tensioner right.		241 346	241 346	241346
A28	Safety relay light curtain		----	----	264233
A29	Card rectifier transformer		267 335	267 335	
A30	Posifeed	optional			
B10	Switch Protective hood on the right		223 350	223 350	223 350
B12	Switch Protective hood on the left		223 350	223 350	223 350
B S14	Switch take-down closed		026 259	026 259	026 259
B15li	Slack tensioner on the left	in A26	----	x	x
B15re	Slack tensioner on the right	in A27	x	x	x
B S16	Microswitch Winding plate		267 012	267 012	026 259
B S16a	Microswitch front winding plate		222 063	222 063	222 063
B20	Comb reference at the top		231 516	231 516	231516
B21	Comb reference bottom		231 520	231 520	231520
B22	Comb Light barrier		243 355	243 355	243 355
B S23	Switch Cover plate Comb		026 259	026 259	026 259
B S24	Switch comb hook		026 259	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	026 259
B31	Thermoswitch fluff absorption turbine	in M 9	----	x	x
B32	Switch winding plate feed wheel		008 529	008 529	008 529
B41li	Thermoswitch feed wheel left	in M 7	----	x	x
B41re	Thermoswitch feed wheel right	in M 7	x	x	x
B48	Release signalling switch of main switch	in A21	236 065	236 065	236 065
B S49	Cover plate Comb depressed		026 259	026 259	026 259
B50	Safety light curtain cascade		----	----	264266
B51	Safety light curtain end device		----	----	264267
B52	Thermoswitch rectifier	in A29	x	x	
E1	Machine lighting at the top		264759	264759	256648
E3	Ventilator drive motor		254 872	254 872	254 872
E4	Ventilator control unit on the right (servo)	in A2	229 059	229 059	229 059
Q1	Protective motor switch	in A21	235 115	235 115	235 115
F 8	Servo	8AT / 440V	241 866	241 866	241866
F11	Power supply	20AT / 80V	267 336	267 336	267336
F12	Power supply	20AT / 80V	267 336	267 336	267 336
F20	Fluff absorption (FLENT)	8AT / 440V	241 866	241 866	241 866

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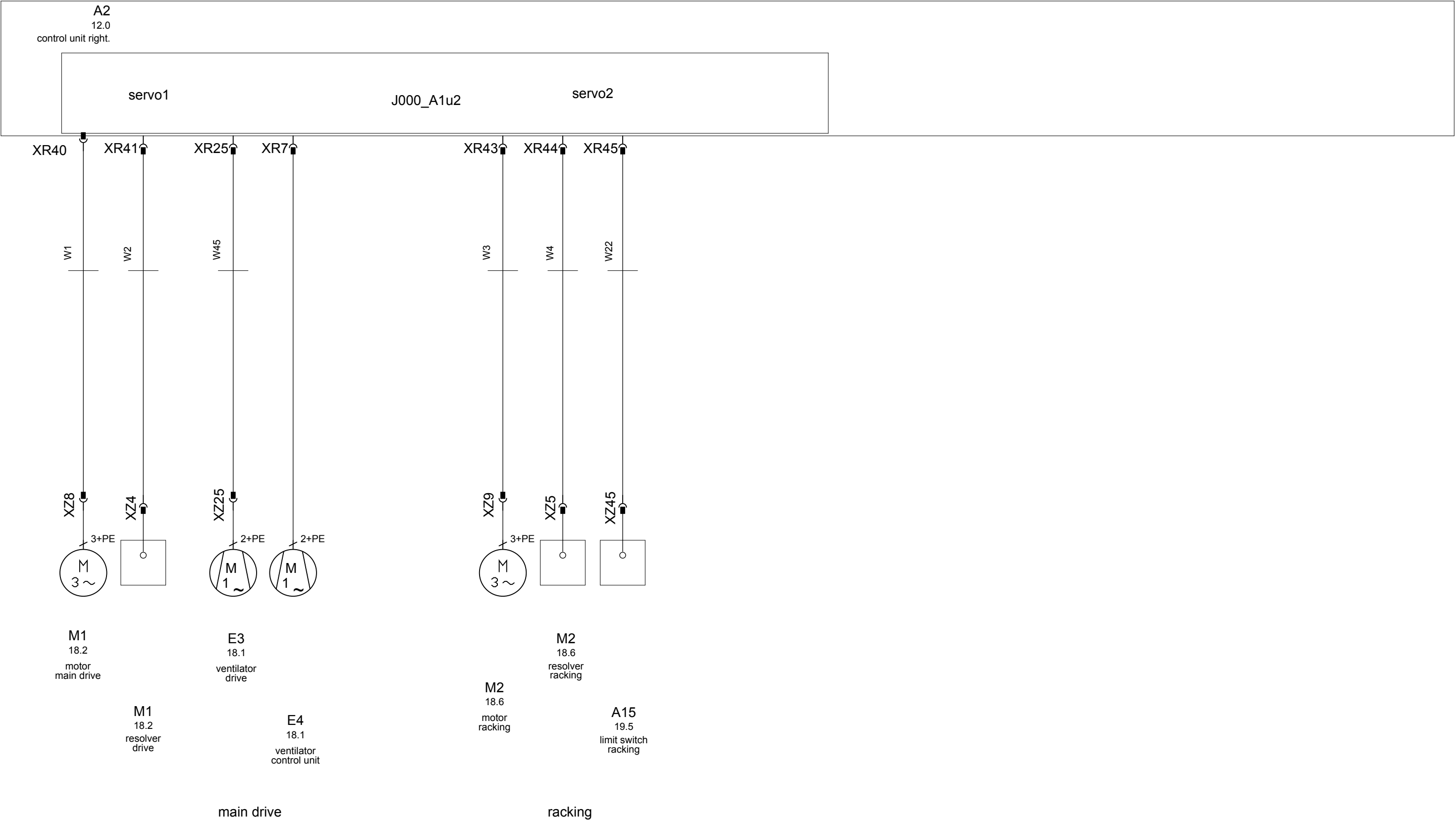
Identifier EN 61346-2	Designation	Value/function	Ident No. CMS 502	Ident No. CMS 530, 520C	Ident No. ADF
F Si1	28V protected (switch)	1,0 AF	008 748	008 748	008 748
F Si2	28V Length measuring device	1,0 AF	008 748	008 748	008 748
F Si3	Fuse of yarn control unit	1,0 AF	008 748	008 748	008 748
F Si5	Ballast servo (on relay card J953/J007)	1,6 AT /440V	236 229	236 229	236 229
F Si6	Fuse of battery plug-in unit	6,3AT	026 809	026 809	026 809
P1	Warning light complete		240 395	240 395	240395
P2	Warning light green	in P1	x	x	x
P2.1	Warning light yellow	in P1	x	x	x
P3	Signal transmitter (horn)	in P1	x	x	x
K15A	Relay fluff absorption	in T1	----	267 334	221 275
K16A	Relay fluff absorption	in A22	----	x	x
M 1	Drive motor		240 740	240 740	240 740
M 2	Rear racking motor		259 115	259 115	241 454
M 3	Take-down motor		259 655	259 655	214 279
M 4	Comb motor		259 655	259 655	214 279
M 5	Auxiliary take-down motor		264 923 (opt)	264 923	213 871
M 6	Comb hook motor		259 009	259 009	213 872
M 7	Friction feed wheels		219 800	219 800	219 800
M 9	Suction turbine fluff absorption (FLENT)		----	262 592	221 172
M 14	Central lubrication of motor pump	in A22	----	x	x
Q1	Magnet machine execute	in A21	235 116	235 116	235 116
Q2	Magnet Engaging rod		026 233	026 233	026 233
Q5	Brake motor take-down	in M3	x	x	x
Q6	Brake motor comb	in M4	x	x	x
T1	Main transformer		262 020	262 020	267157
W 1	Cable drive motor		262 235	262 235	259 109
W 2	Cable resolver drive		262 236	262 236	259 110
W 3	Cable racking motor		262 237	262 237	240 297
W 4	Cable resolver racking		262 238	262 238	240 298
W 9	Cable fabric take-down motor		240 291	240 291	240 291
W11	Cable comb motor		260 324	260 324	240 310
W12	Cable auxiliary take-down motor		260 326	260 326	240 467
W13	Cable comb hook motor		----	265 676	240 308
W14	Cable feed wheel on the left		260 328	260 328	240 464
W15	Cable feed wheel on the right		240 464	240 464	240 294
W20	Cable switch main take-down		240 294	240 294	240 312
W22	Cable racking limit switch		262 240	262 240	240 292
W25	Cable protective units on the right		240 292	240 292	259 098
W26	Cable yarn tensioner , warning light , horn		265 694	265 694	252587
W27	Cable piezo sensor		266 268	266 268	240 518
W28	Cable switch comb		240 518	240 518	240 311
W29	Cable encoder auxiliary take-down		262 241	262 241	240 468
W30	Cable engaging		265 698	265 698	252538
W31	Cable Length measuring device	optional	252 538	252 538	236 718
W36	Cable lighting LED		257 239	257 239	263 686
W37	Cable Power supply SERVO		257 239	257 239	240 502
W39	Cable Power supply		261 351	261 351	240 505
W40	Cable power supply central lubrication	Partly optional	----	254 098	254098
W41	Cable control central lubrication	Partly optional	----	254 099	254099
W42	Cable switch auxiliary take down		240 472	240 472	240 472

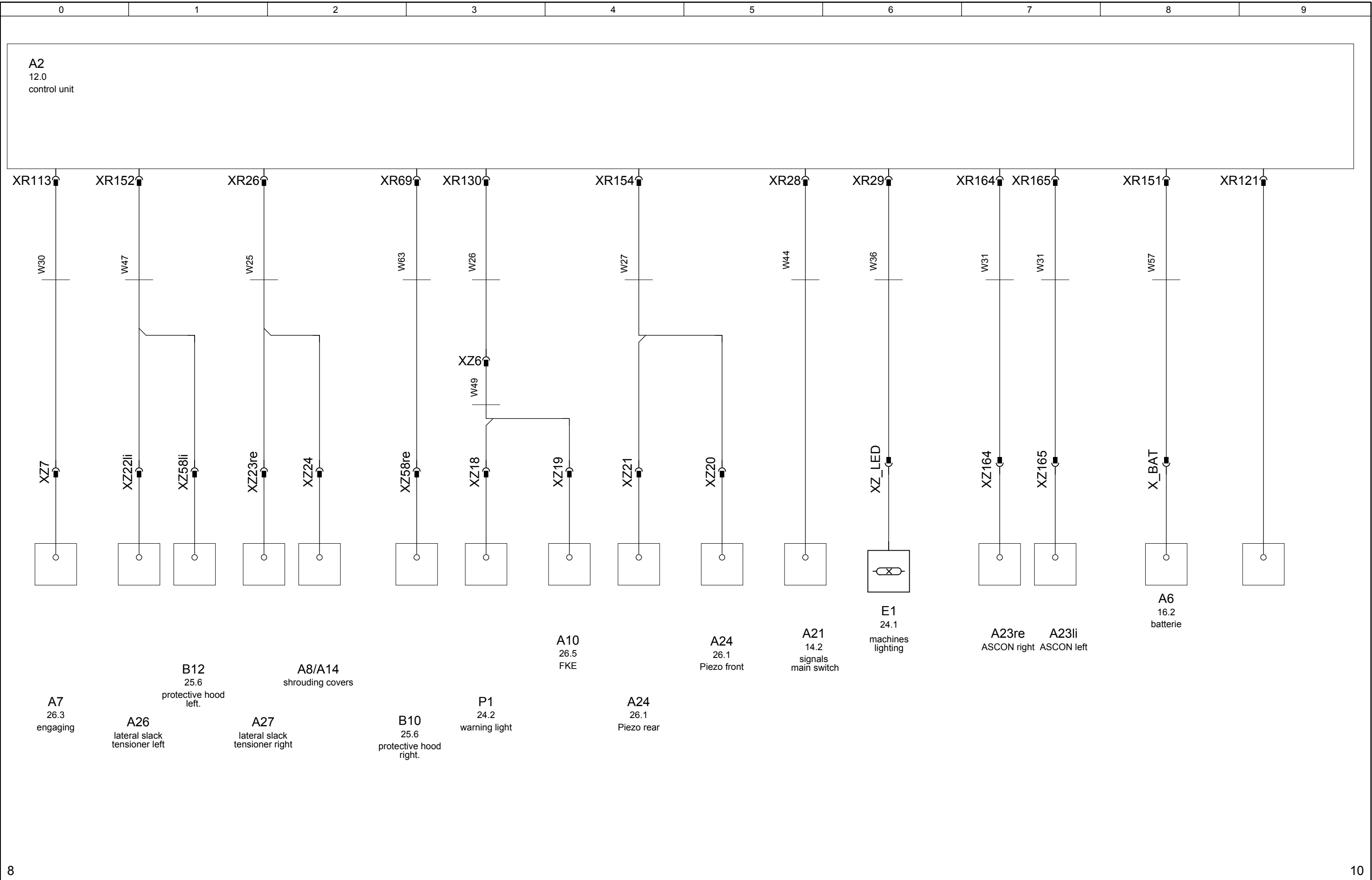
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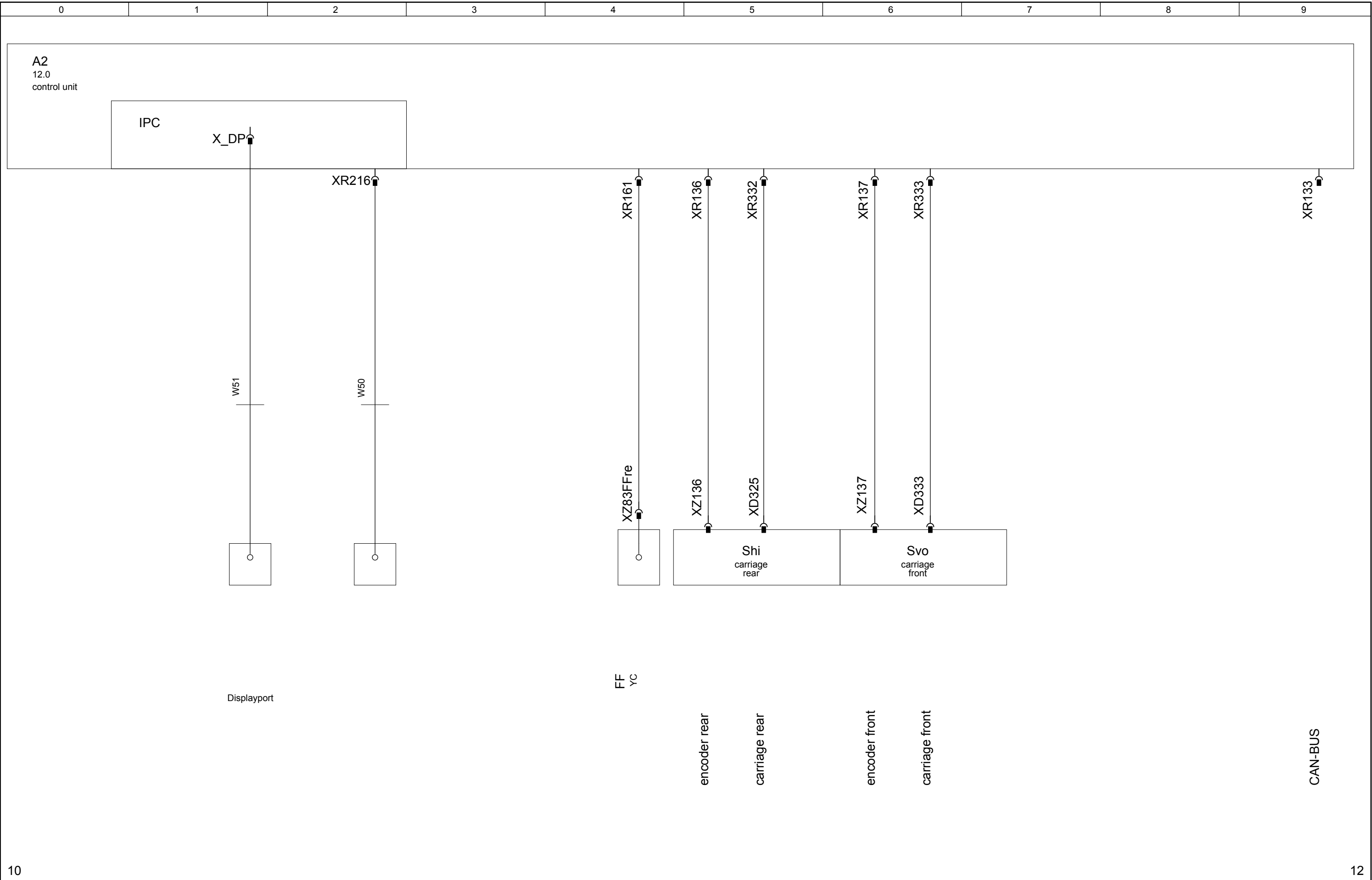
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Identifier EN 61346-2	Designation	Value/function	Ident No. CMS 502	Ident No. CMS 530, 520C	Ident No. ADF
W43	Cable switch Comb hook		240 309	240 309	240 309
W44	Cable signals main switch		240 517	240 517	240 517
W45	Cable ventilator drive		240 293	240 293	261 712
W47	Cable protective units left		253 620	253 620	259 106
W48	Cable mains supply transformer		250 364	250 364	250364
W49	Cable mains supply yarn control device,warning light		239 749	239 749	239 749
W50	Cable DUT		263 965	235 283	235283
W51	Cable Displayport		263 964	242 421	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		----	----	259 107
W61	Cable data Servo ADF		----	----	259 108
W62	Cable safety curtain ADF		----	----	264271
W63	Cable protective cover right		265 696	265 696	265 696
V1	Power line filter		265 315	265 315	219 133

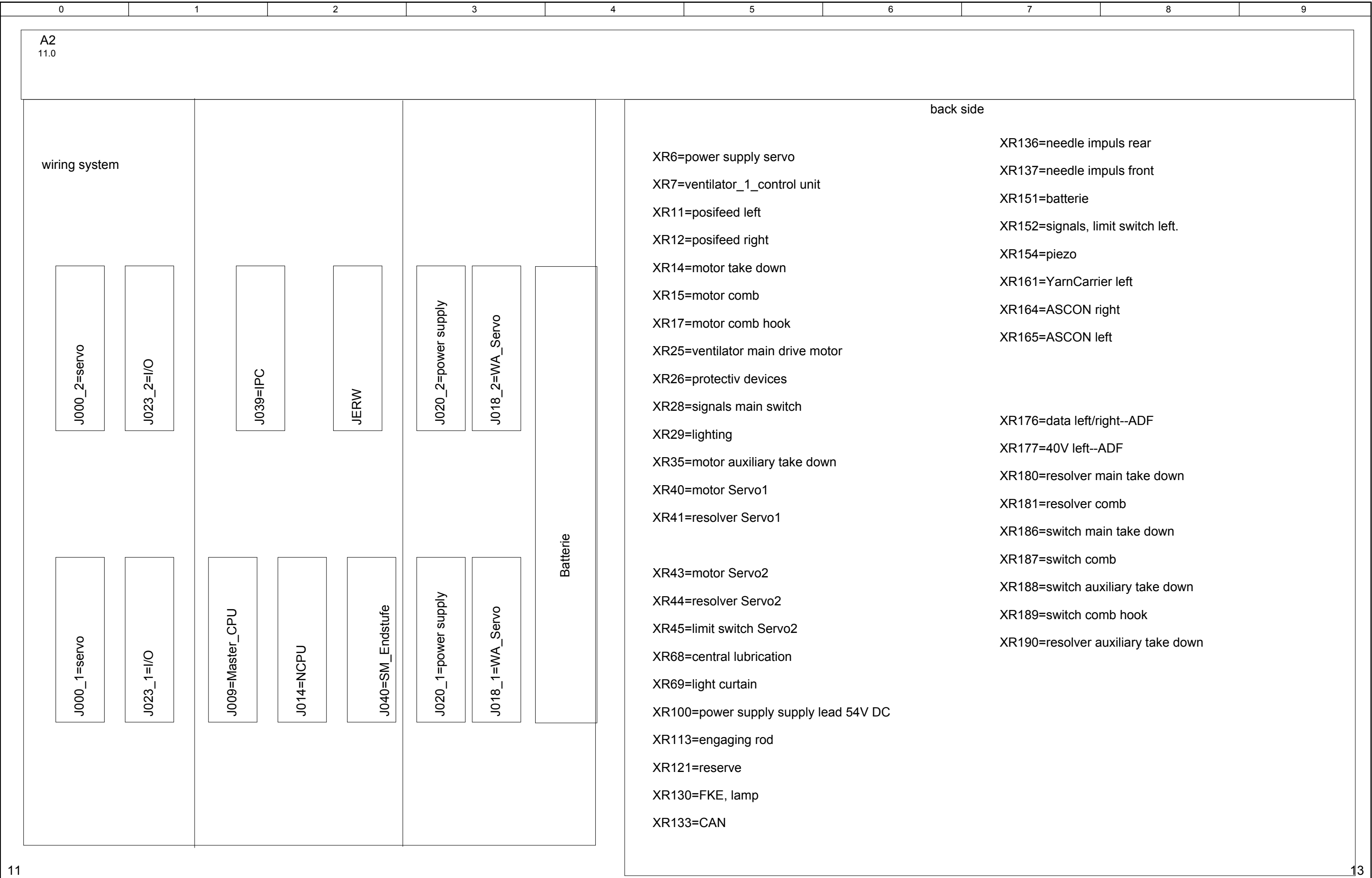






Displayport

FF
YC



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transformer

XT7=servo

XT8=FLNT

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

XZ5=resolver racking

XZ6=connector FKE,warning light

XZ8=motor main drive

XZ9=motor racking

XZ11=posifeed left

XZ12=posifeed right

XZ14=motor Take down

XZ15=motor comb

XZ16=motor auxiliary take down

XZ17=motor comb hook

XZ18=warning light

XZ19=FKE

XZ20=Piezo NB front

XZ21=Piezo NB rear

XZ23re=lateral slack tensioner right

XZ24=shrouding covers

XZ31=encoder Take down

XZ32=encoder comb

XZ34=brake /temperature comb

XZ35=brake /temperature Take down

XZ37=position comb top

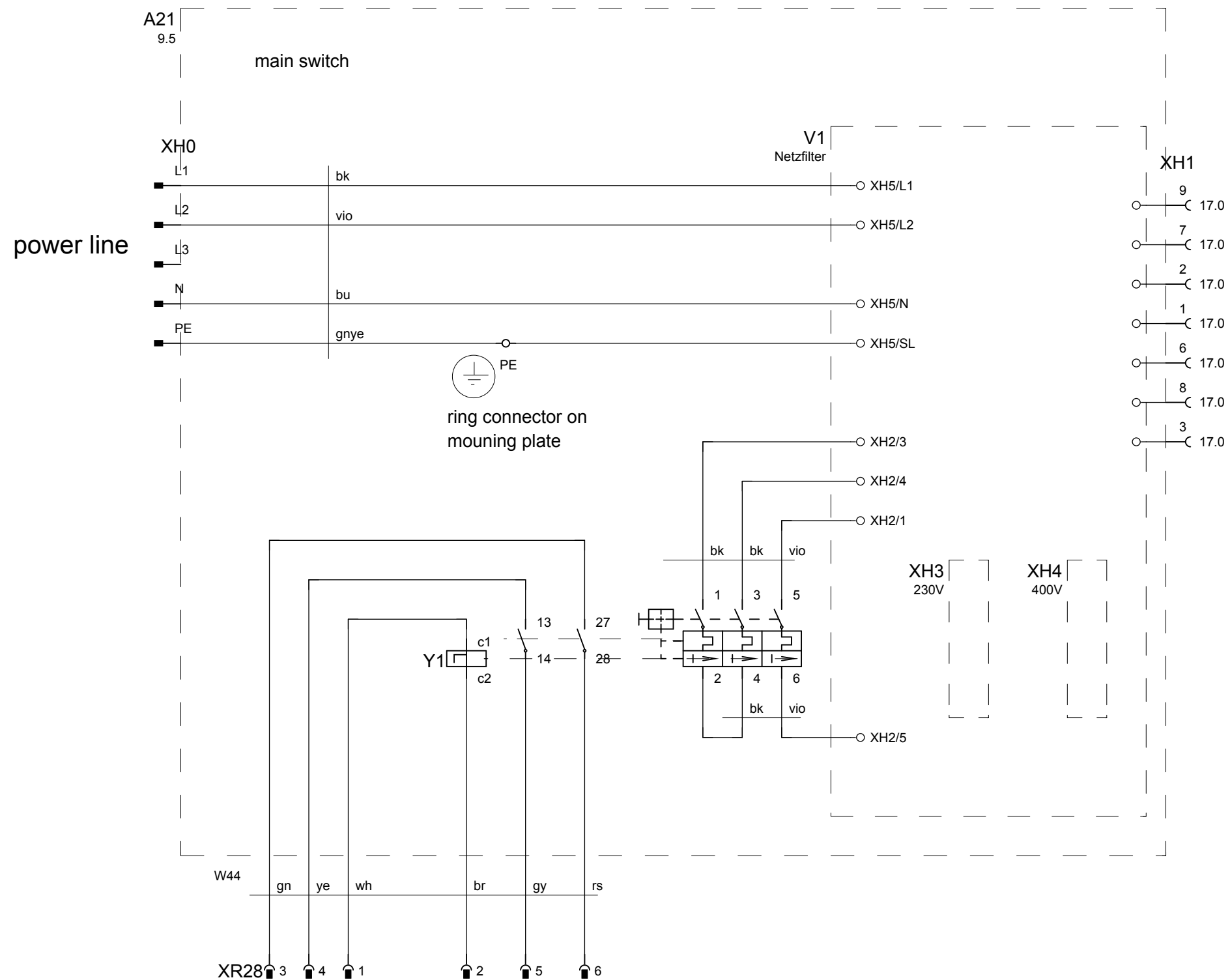
XZ38=position comb below

XZ39=winding plate Take down rear.

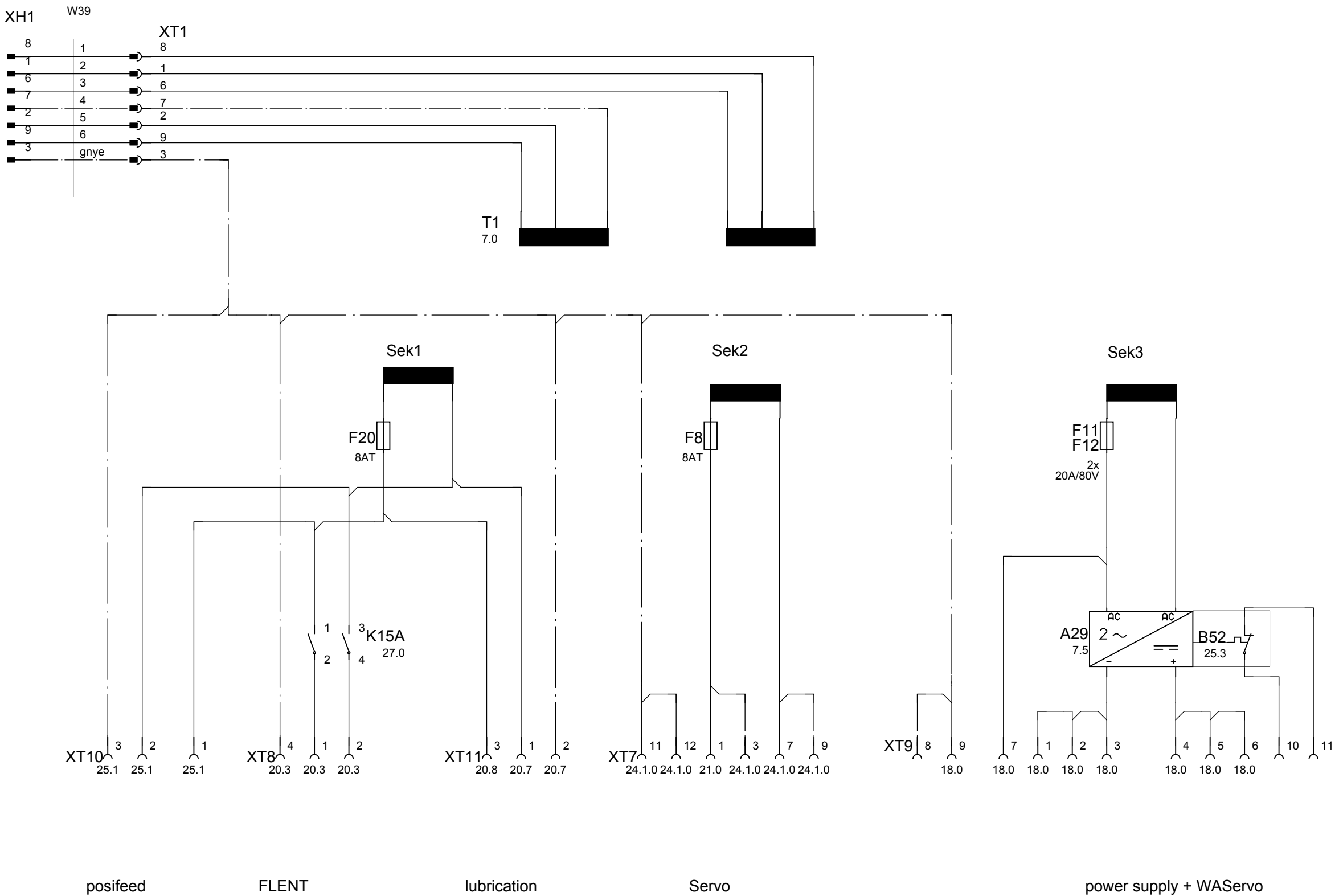
XZ58re=protective hood right

XZ59=winding plate Take down front.

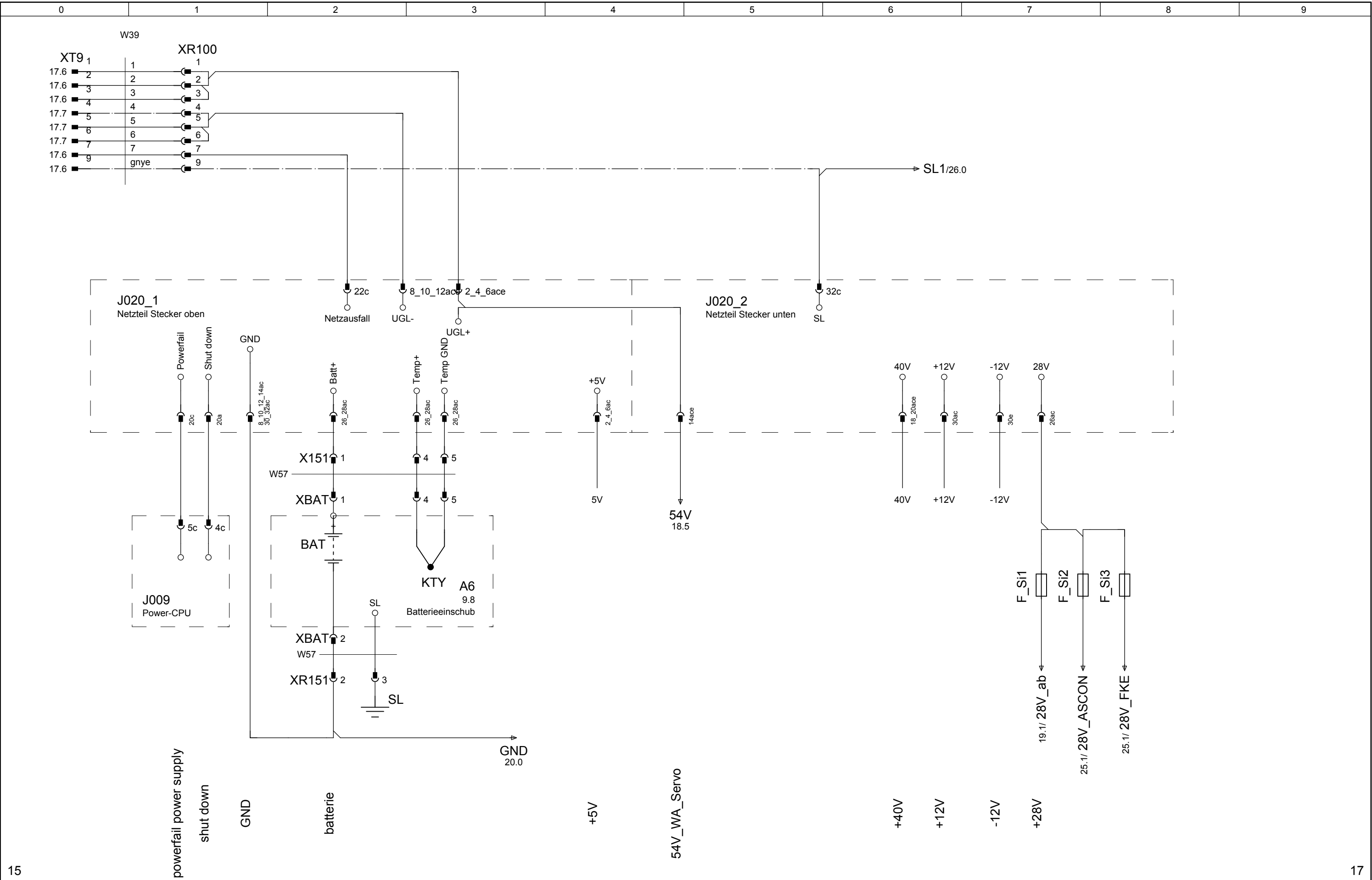
XZ45=limit switch racking

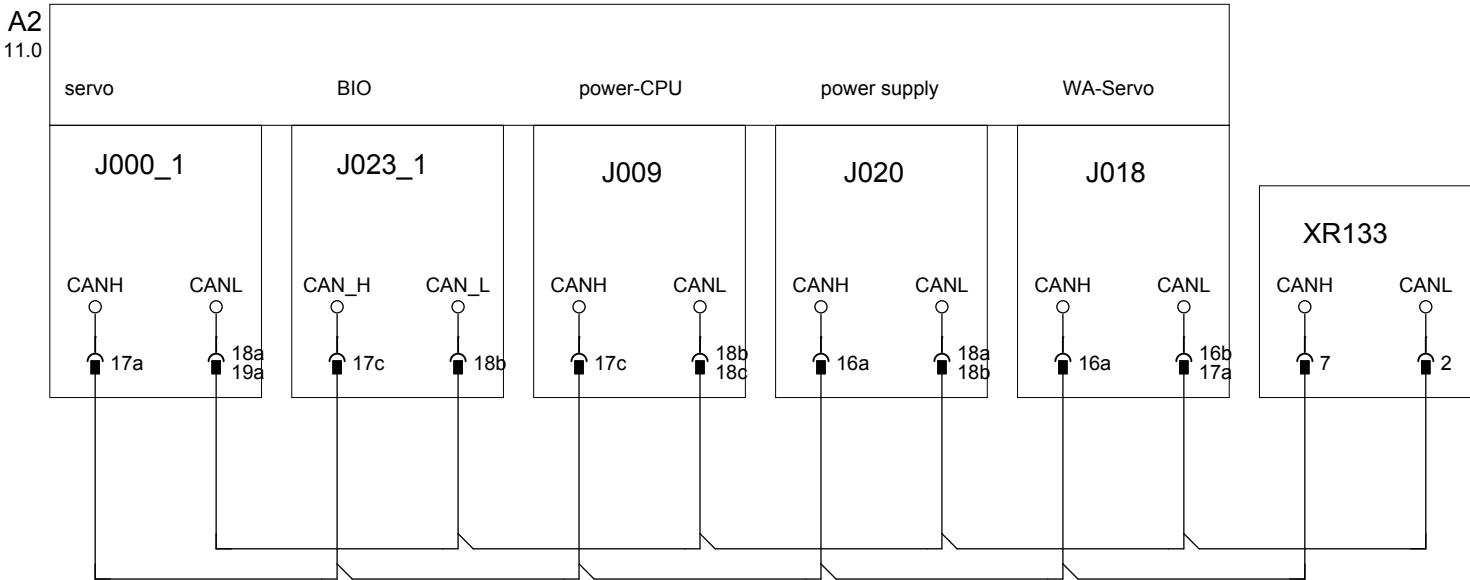


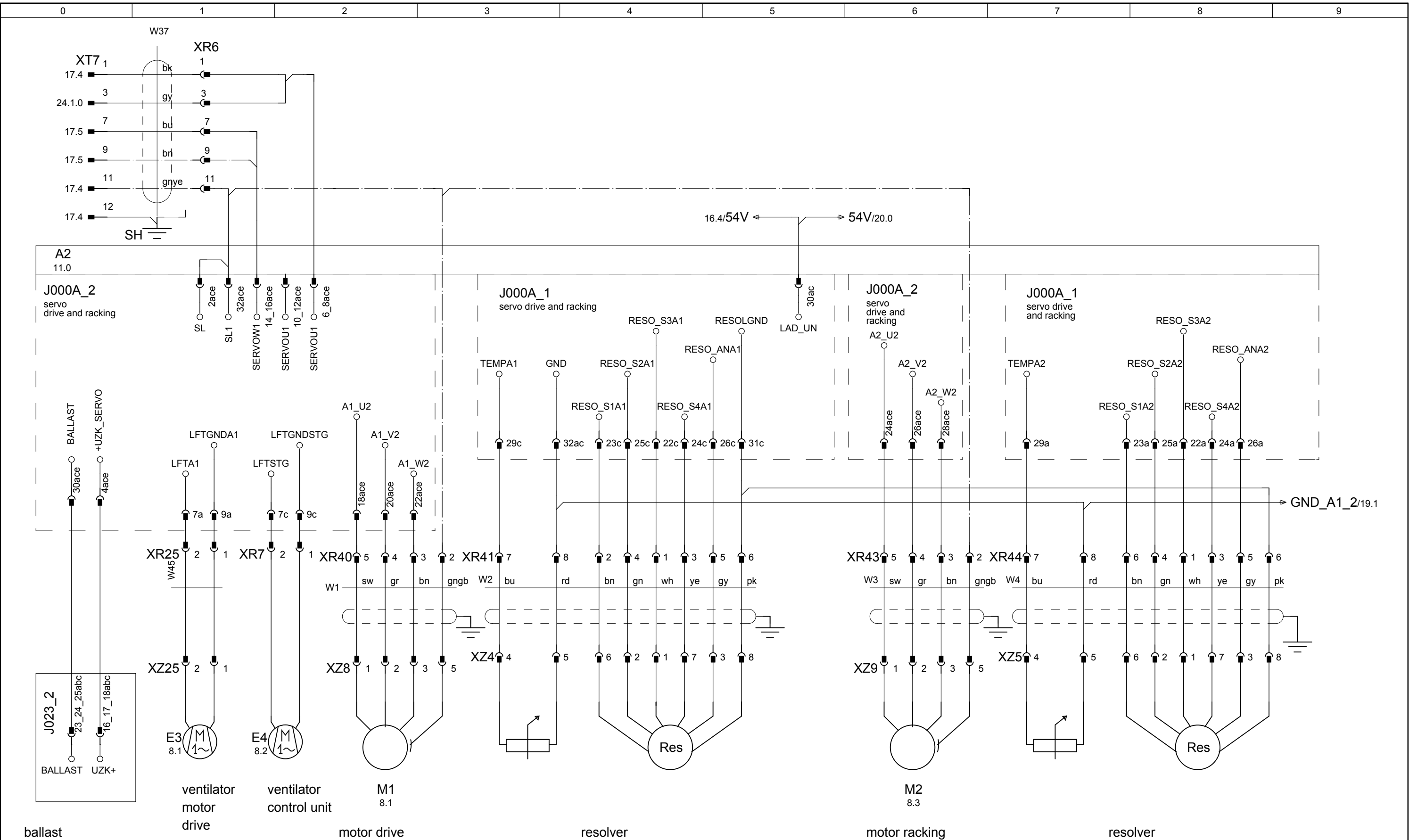
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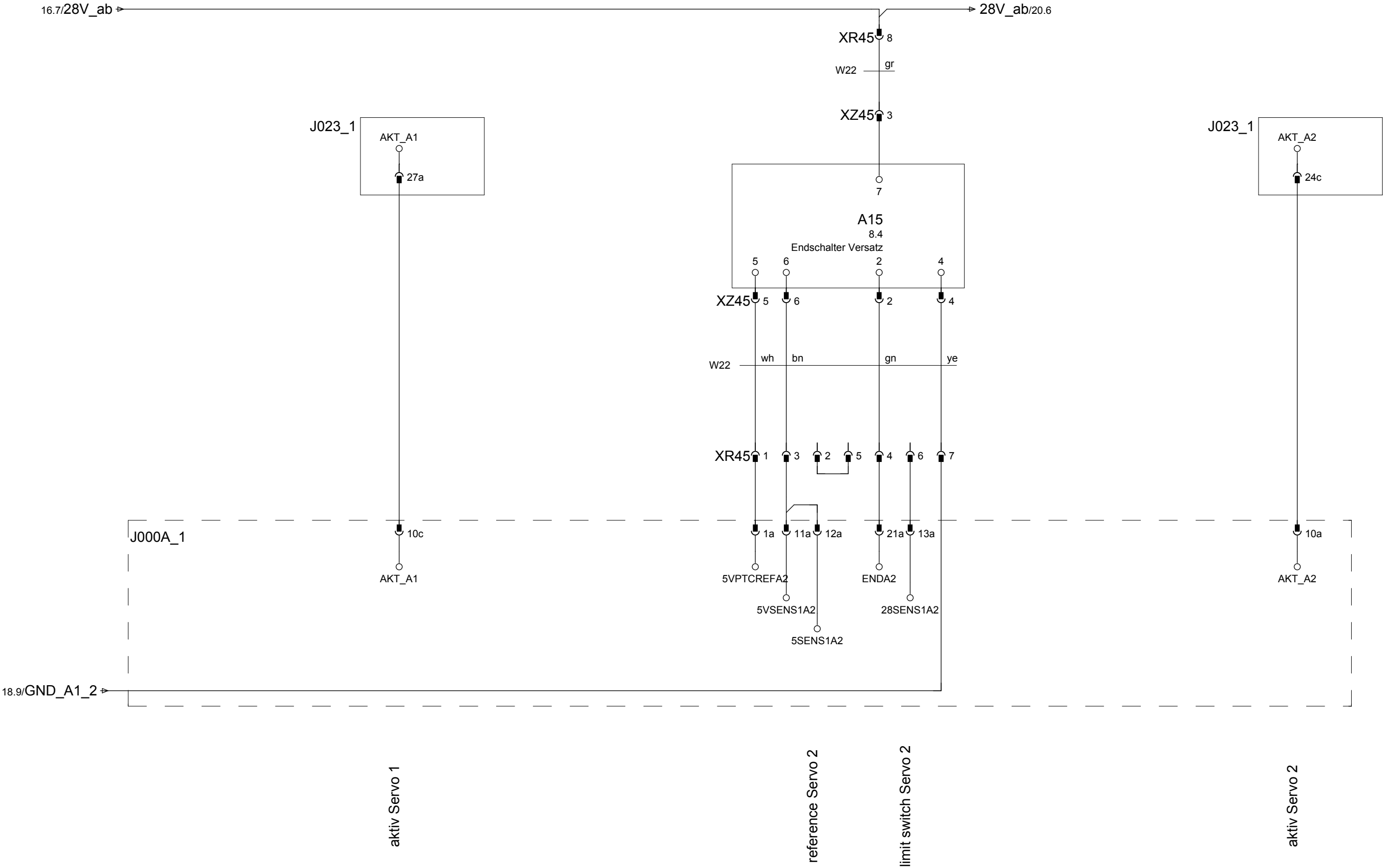
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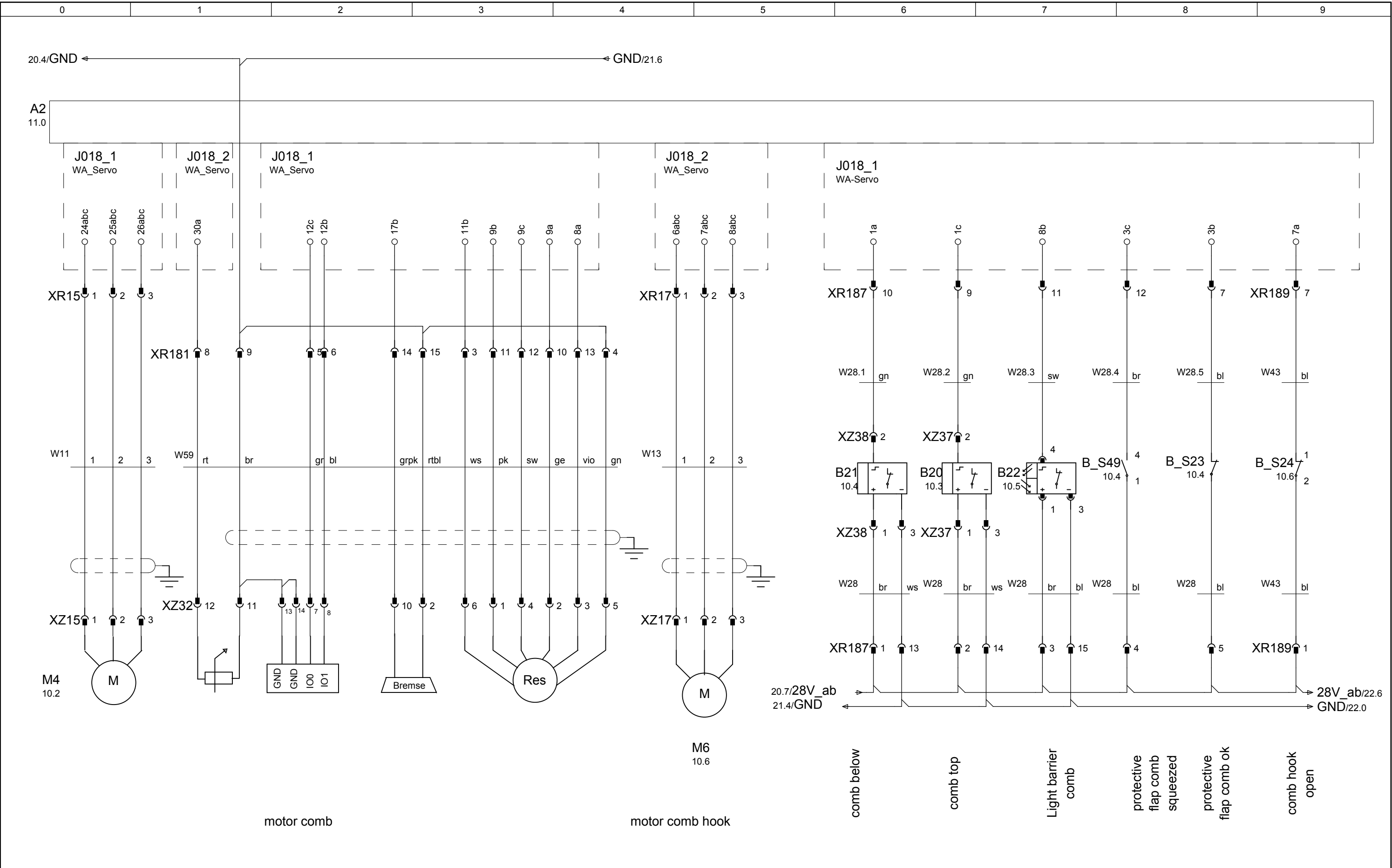




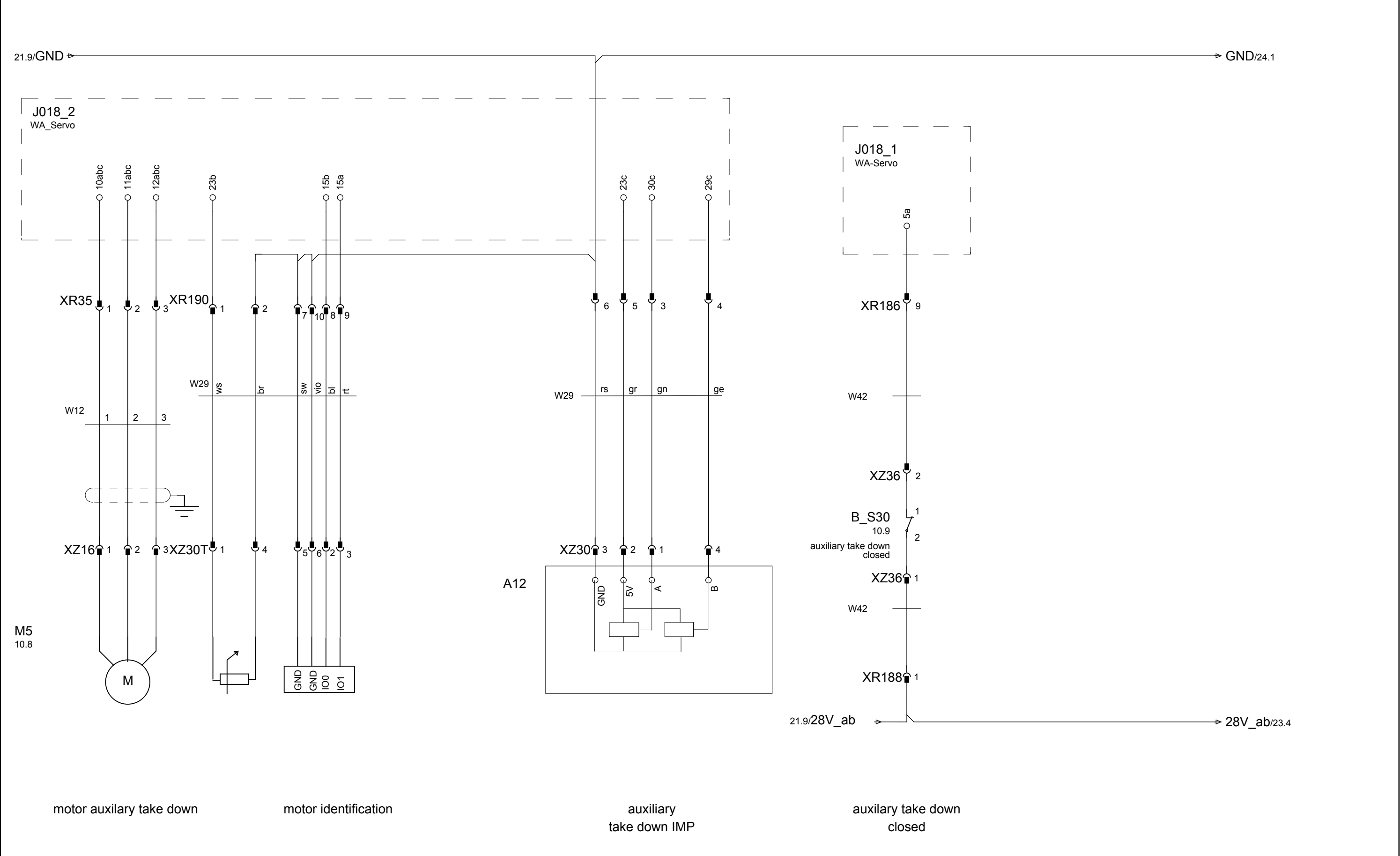
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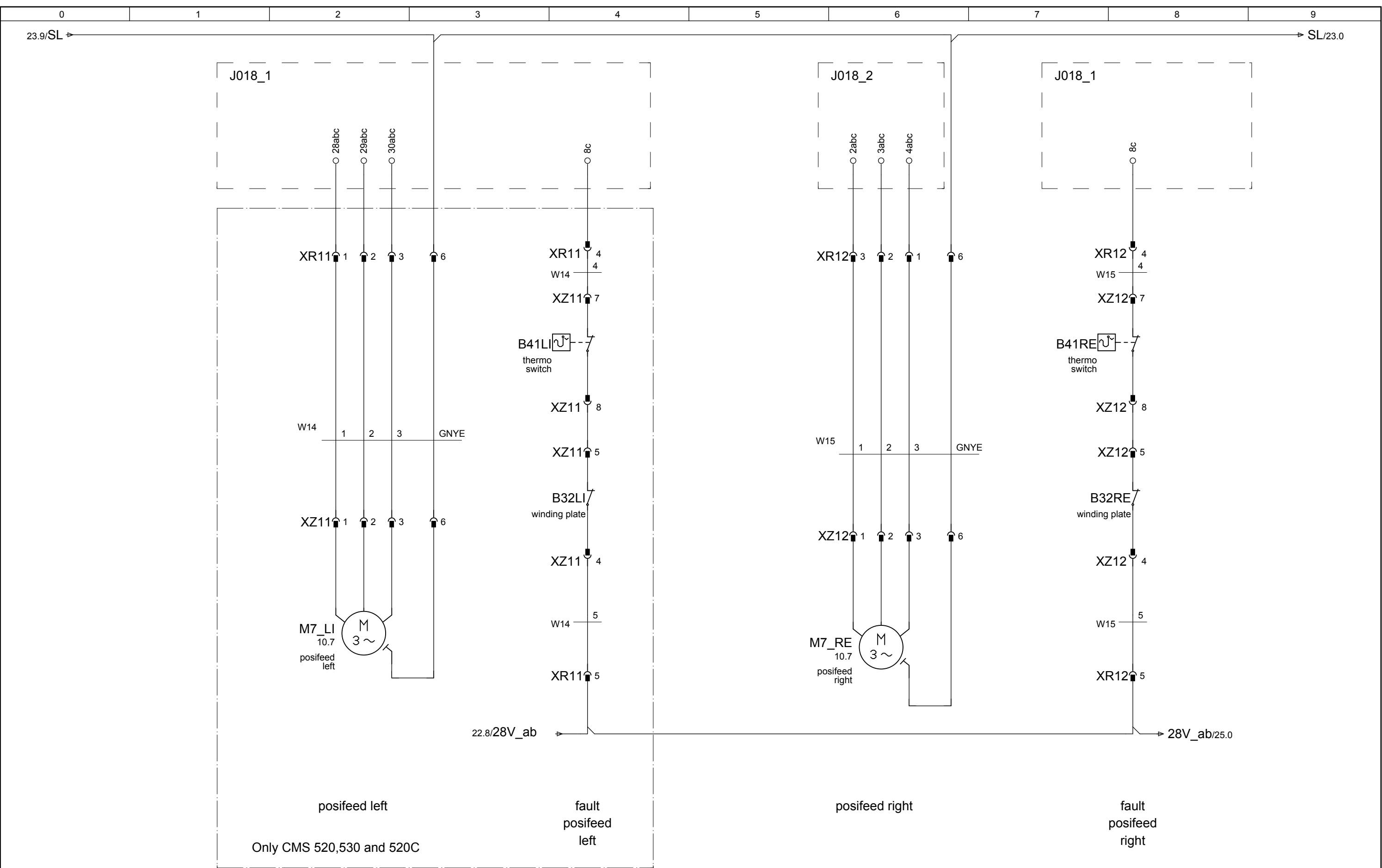


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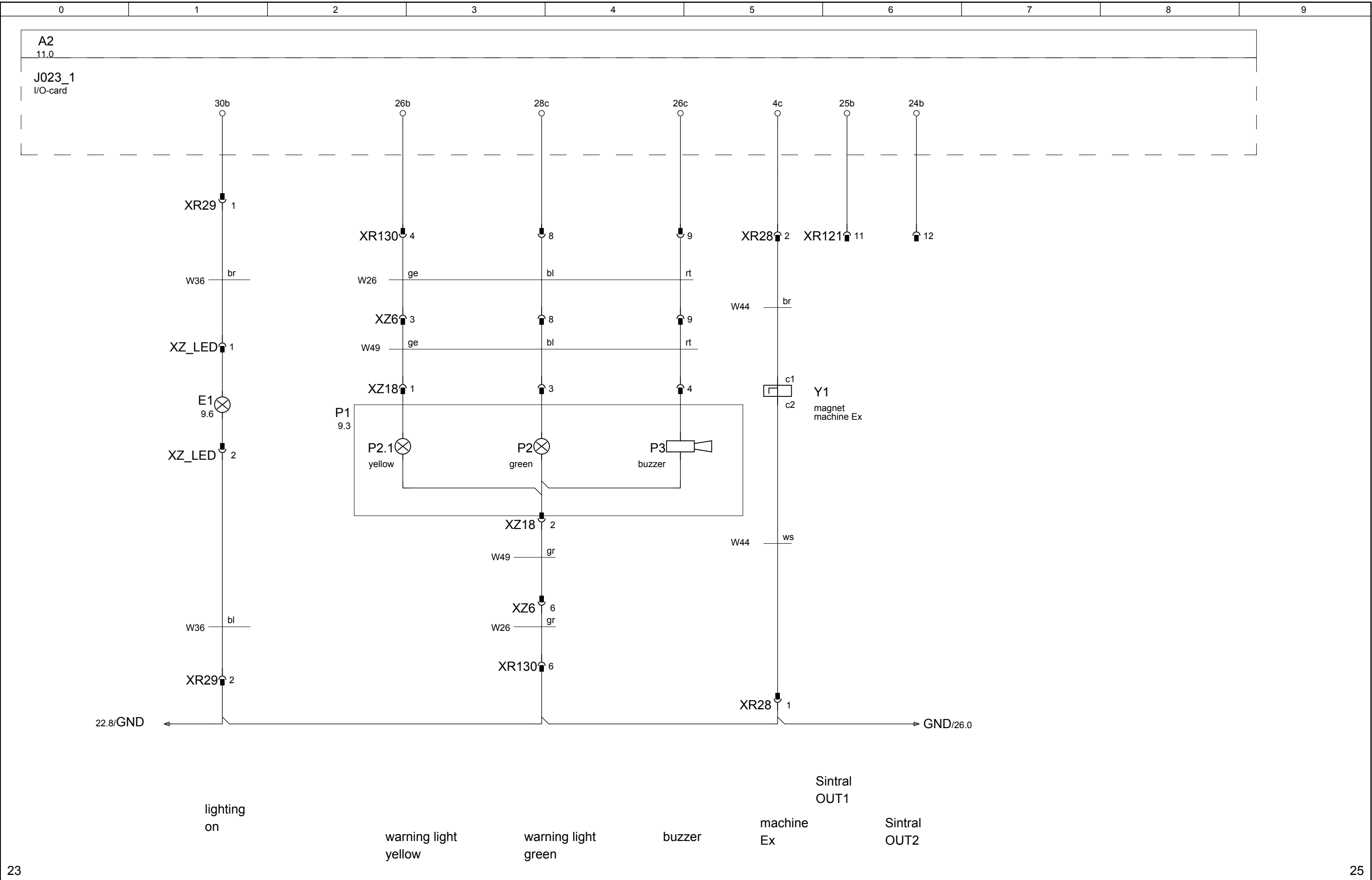


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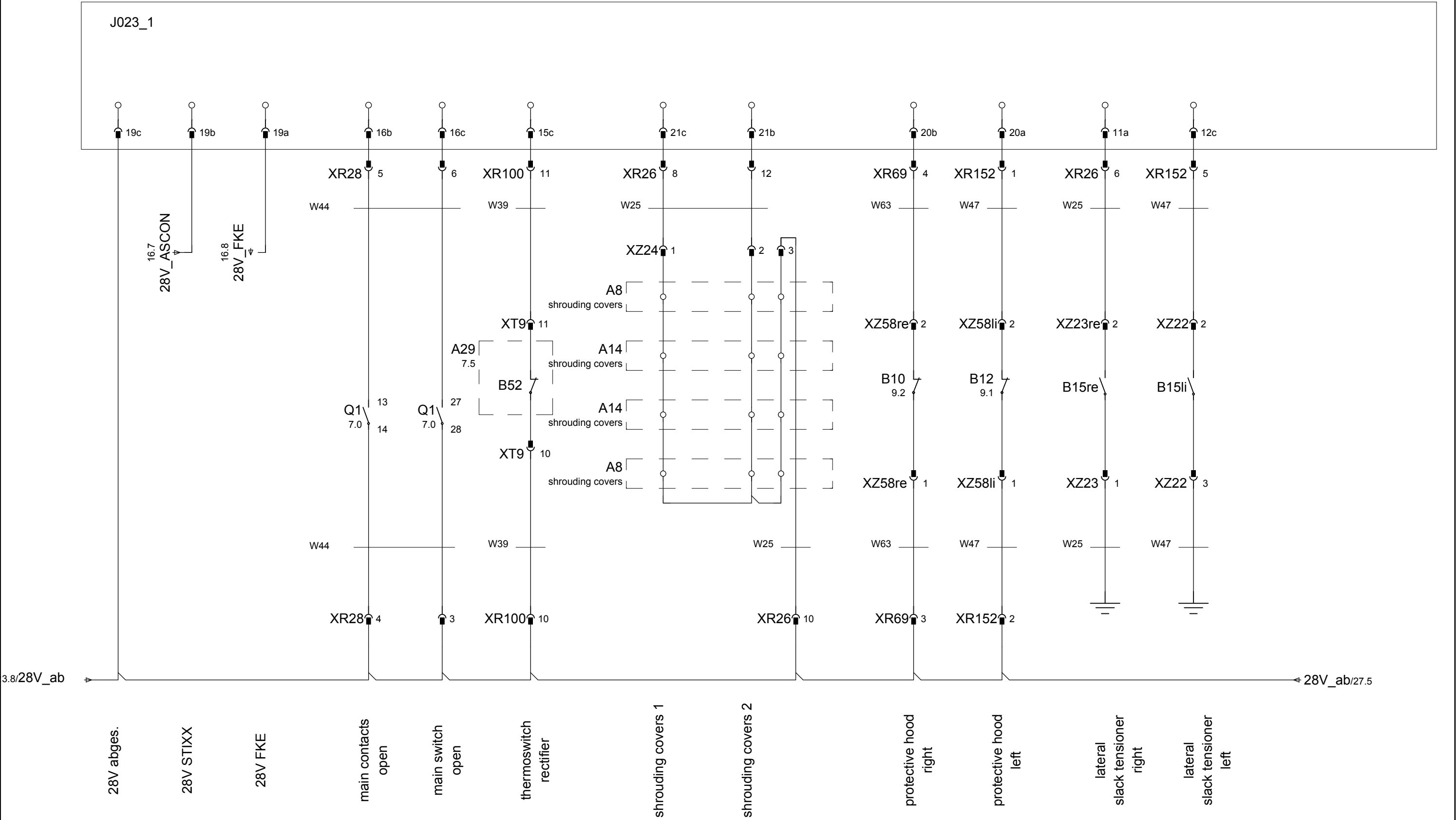


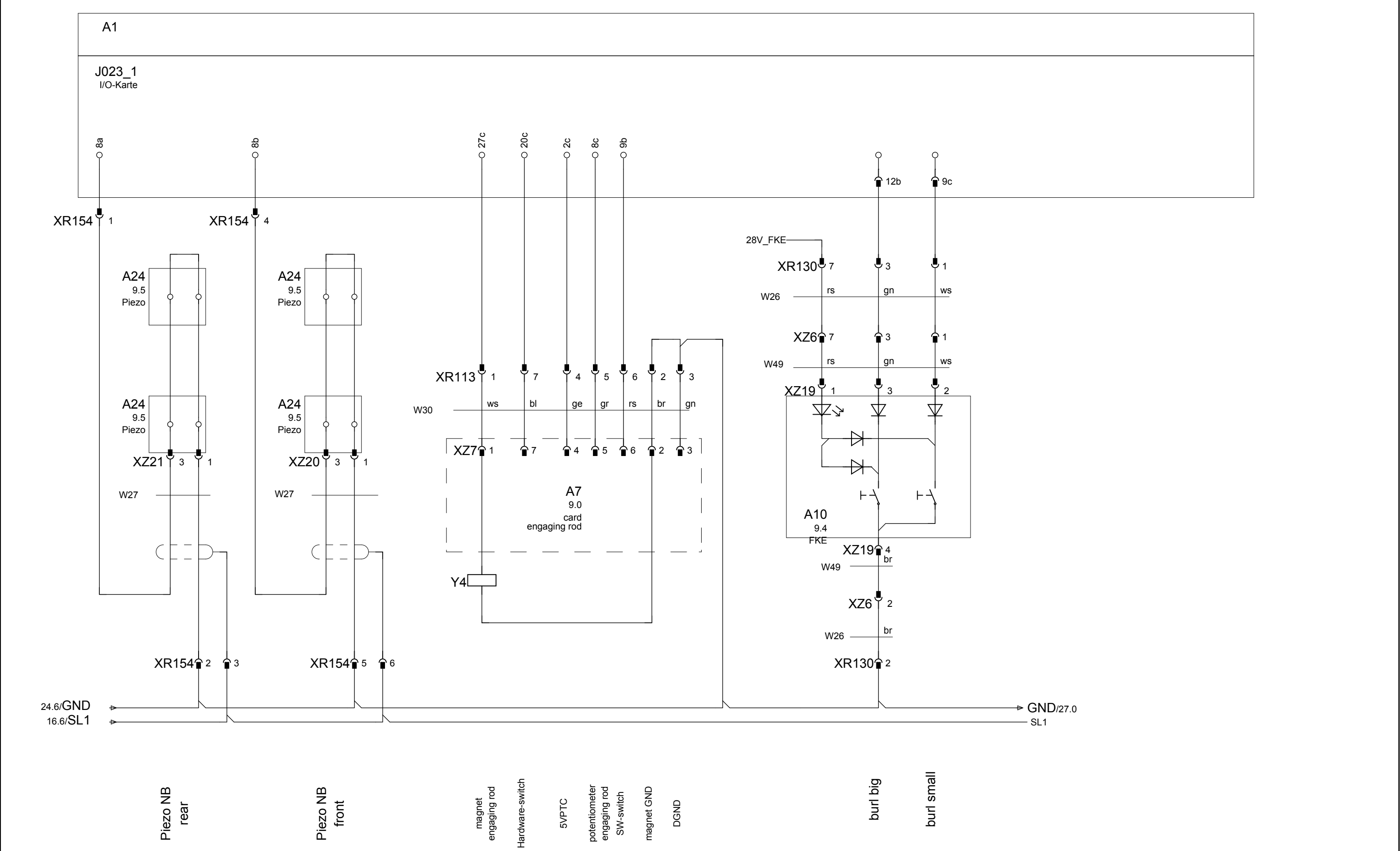


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			Datum		circuit diagram 223	H.Stoll GmbH & Co. KG	STOLL	outputs I/O-card	Id.Nr. 267956		=		
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