

Drawing number**05 438 06 13 0**

Stromlaufplan

Control / Steuerung	SH5	
Hoist Motor / Hubmotor	12/2H71	
Type / Ausführung	B (control for crane customer)	
Overload Device / Lastwächter	SLE21 / SMC21 SLE22 / SMC22	
Voltage / Spannung	440-480V, 575-600V / 110/120V 60Hz	
	380-415V / 110/120V 50Hz	
Fuses / Sicherungen	F41-43	6A Class CC
Fuses / Sicherungen by customer / bauseits	main fuse	35A Class J
	control fuse	1A

Document Dokument	Sheet Blatt
BILL OF MATERIALS GERÄTELISTE	1 (1)
POWER SUPPLY STROMVERSORGUNG	1 (8)
HOIST HUBWERK	2 (8)
TROLLEY FAHWERK	5 (8)
TERMINAL DIAGRAM X16 KLEMMENPLAN X16	6 (8)
LOCATION DIAGRAM A16 AUFBAUPLAN A16	7 (8)
CABEL DIAGRAM KABELPLAN	8 (8)

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BILL OF MATERIALS

Lokcat. Ort	Refer. Referenz	Qty. Anzahl	Spezifikation Typ	Discription Benennung	Fabricate Hersteller	Item Code Sach-Nr.
+A16	-A275*	1	SLE21 110/120V	OVERLOAD DEVICE	STAHL	579 510 0
		1	SMC21 110/120V	LASTWÄCHTER	STAHL	582 114 0
		1	SLE22 110/120V		STAHL	579 573 0
		1	SMC22 110/120V		STAHL	582 120 0
+A16	-F41-F43	3	USBCC1	FUSE HOLDER SICHERUNGSTRENNER	FERRAZ	510 078 0
		3	ATDR6 10x38 6A	FUSE LINK SCHMELZEINSATZ	FERRAZ	510 083 0
+A16	-G21	1	2/017.100.2 2A	RECTIFIER	MAYR	04 430 04 88 0
+A16	-K20	1	LC1-D25 G7	GLEICHRICHTER CONTACTOR	TELEMECANIQUE	582 043 0
+A16	-K23-K24	2	LC1-D25 G7	SCHÜTZ CONTACTOR	TELEMECANIQUE	582 043 0
		2	LAD-N11G	AUXILIARY CONTACT BLOCK HILFSSCHALTERBLOCK	TELEMECANIQUE	582 069 0
+A16	-K25	1	LC1-D258 G7	CONTACTOR SCHÜTZ	TELEMECANIQUE	582 047 0
+A16	-K29	1	LC1-D09 G7	CONTACTOR SCHÜTZ	TELEMECANIQUE	582 041 0
+A16	-K41-K42	1	LC2-K09 G7	CONTACTOR SCHÜTZ	TELEMECANIQUE	579 472 0
+A16	-K45	1	LC1-K09008 G7	CONTACTOR SCHÜTZ	TELEMECANIQUE	579 473 0
+A16	-Q29	1	GV2 RT10	CIRCUIT BREAKER LEISTUNGSSCHALTER	TELEMECANIQUE	579 507 0
		1	GV AN20	AUXILIARY CONTACT BLOCK HILFSSCHALTERBLOCK	TELEMECANIQUE	579 505 0
+A16	-S220	1	GE-S125.04	GEAR-TYPE LIMIT SWITCH GETRIEBEENDSCHALTER	STROMAG	580 005 0
+A16	-S260/-S261	2	E 215-16-11B	PUSH BUTTON DRUCKTASTER	ABB	578 553 0
+A16	-X16	1	WPE16	PE-TERMINAL SCHUTZLEITERKLEMME	WEIDMUELLER	519 518 0
		3	WDU16	TERMINAL KLEMME	WEIDMUELLER	519 513 0
		2	WDU10	TERMINAL KLEMME	WEIDMUELLER	519 512 0
		1	WPE10	PE-TERMINAL SCHUTZLEITERKLEMME	WEIDMUELLER	519 517 0
		4	PPE2.5/4	PE-TERMINAL SCHUTZLEITERKLEMME	WEIDMUELLER	519 521 0
		18	PDU2.5/4	TERMINAL KLEMME	WEIDMUELLER	519 520 0
+TR	-B275	1		LOAD SENSOR LASTSENSOR		
+TR	-M21	1		HOIST MOTOR HUBMOTOR		
+TR	-M41	1		TROLLEY MOTOR KATZFAHRMOTOR		
+TR	-S228	1		BLOCK OPERATED UPPER LIMT SWITCH ENDSCHALTER (US)		
+TR	-S420	1		TROLLEY LIMIT SWITCH KATZFAHRENSCHALTER		

* to note accomplishment! / Ausführung beachten!

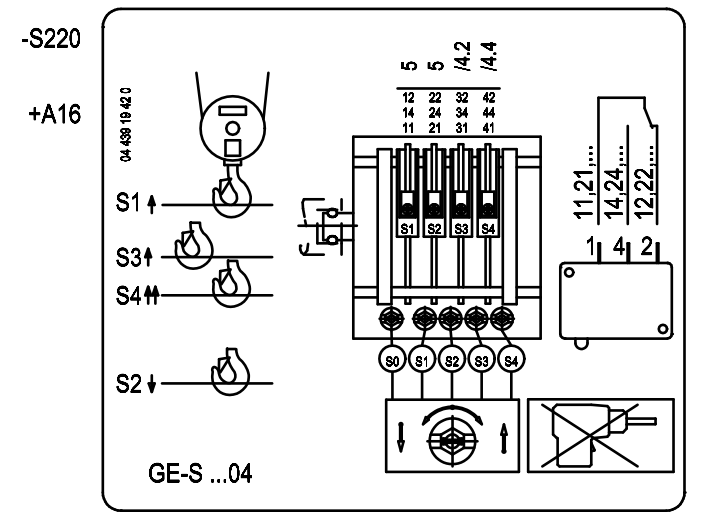
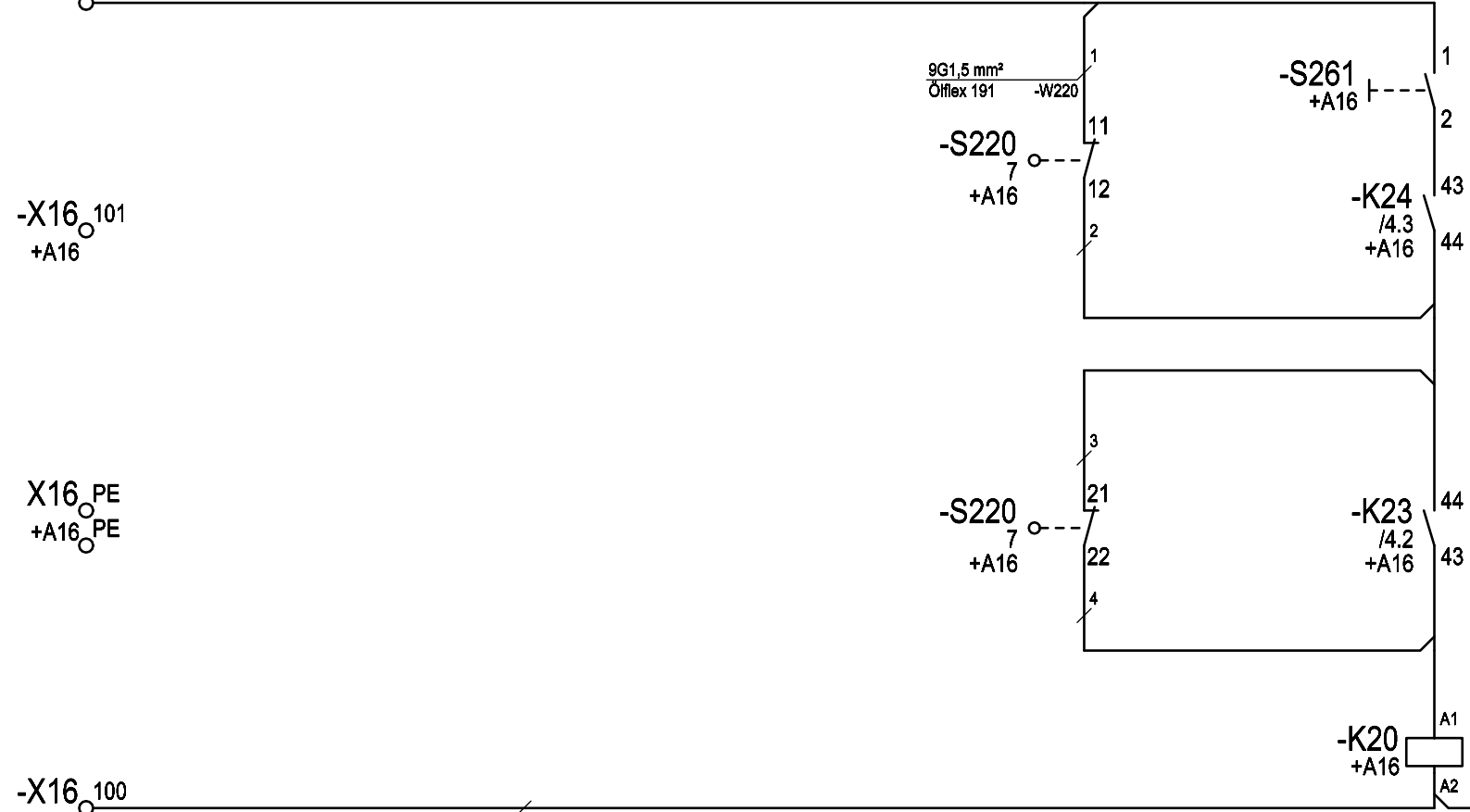
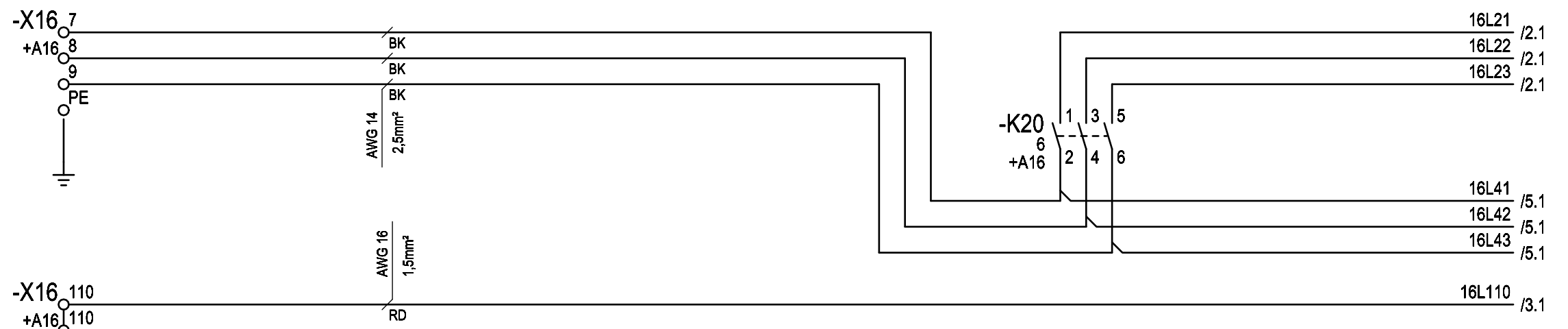
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power supply
Stromzuführung

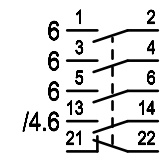
emergency hoist limit switch
Nothubendschalter

main fuse
Anschlussicherung
35A Class J

control fuse
Steuersicherung
1A



- S1 emergency hoist limit switch top Nothubendschalter oben
- S2 emergency hoist limit switch bottom Nothubendschalter unten
- S3 operating hoist limit switch top Betriebshubendschalter oben
- S4 fast/slow schnell/langsam



Changes	Date	Name	Date	Name
	09.08.13	Oster.	03.07.09	Huhnd.
			03.07.09	Nic.
			03.07.09	Huhnd.
Rev.		Plot	09.08.2013	Rep. by

Rep. for	Origin
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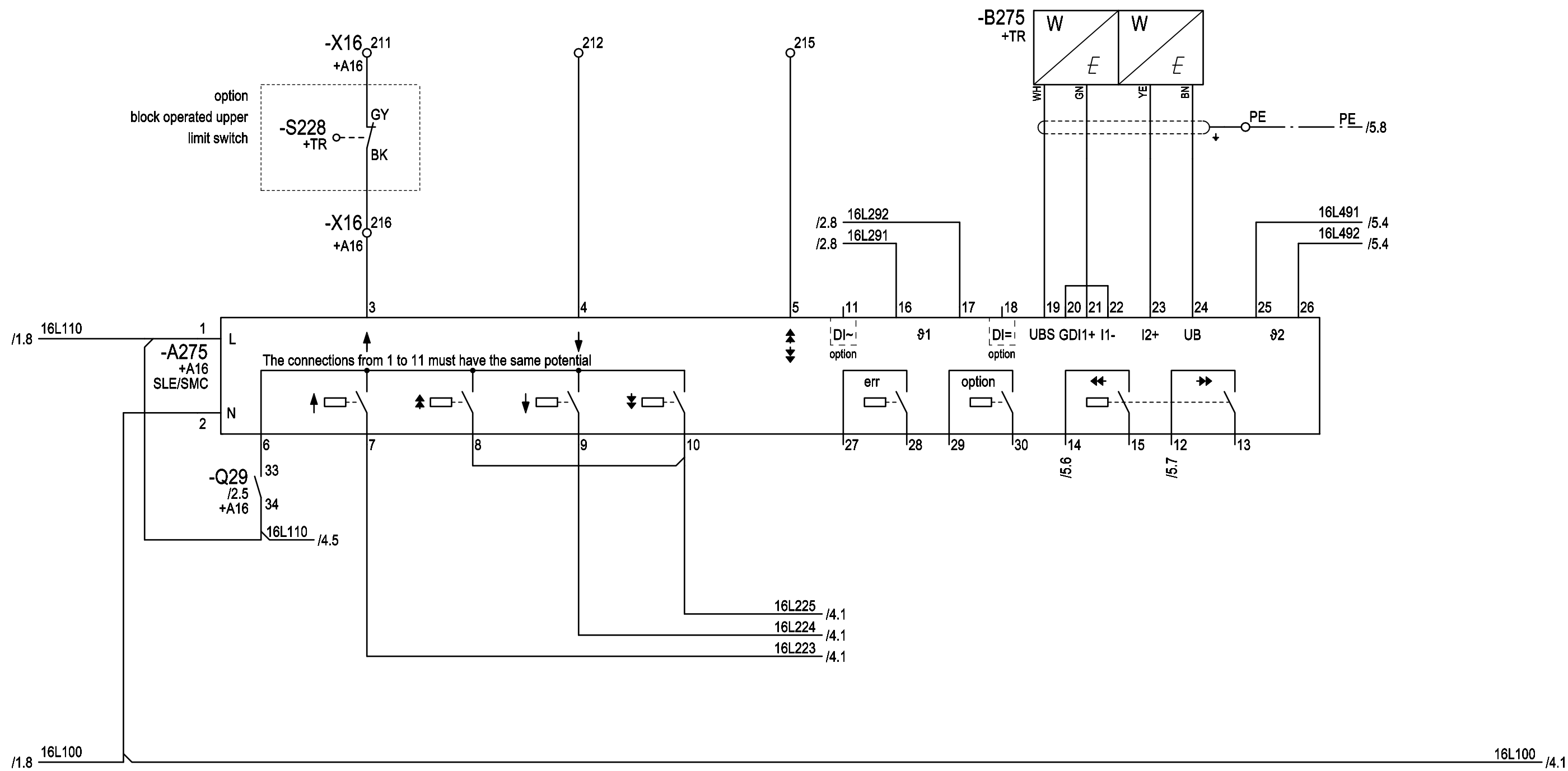
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hoisting
heben

lowering
senken

fast
schnell

temperature / load monitoring
Temperatur- / Lastüberwachung



Changes	Date	Name	Date	Name
	09.08.13	Oster.	03.07.09	Huhnd.
			03.07.09	Nic.
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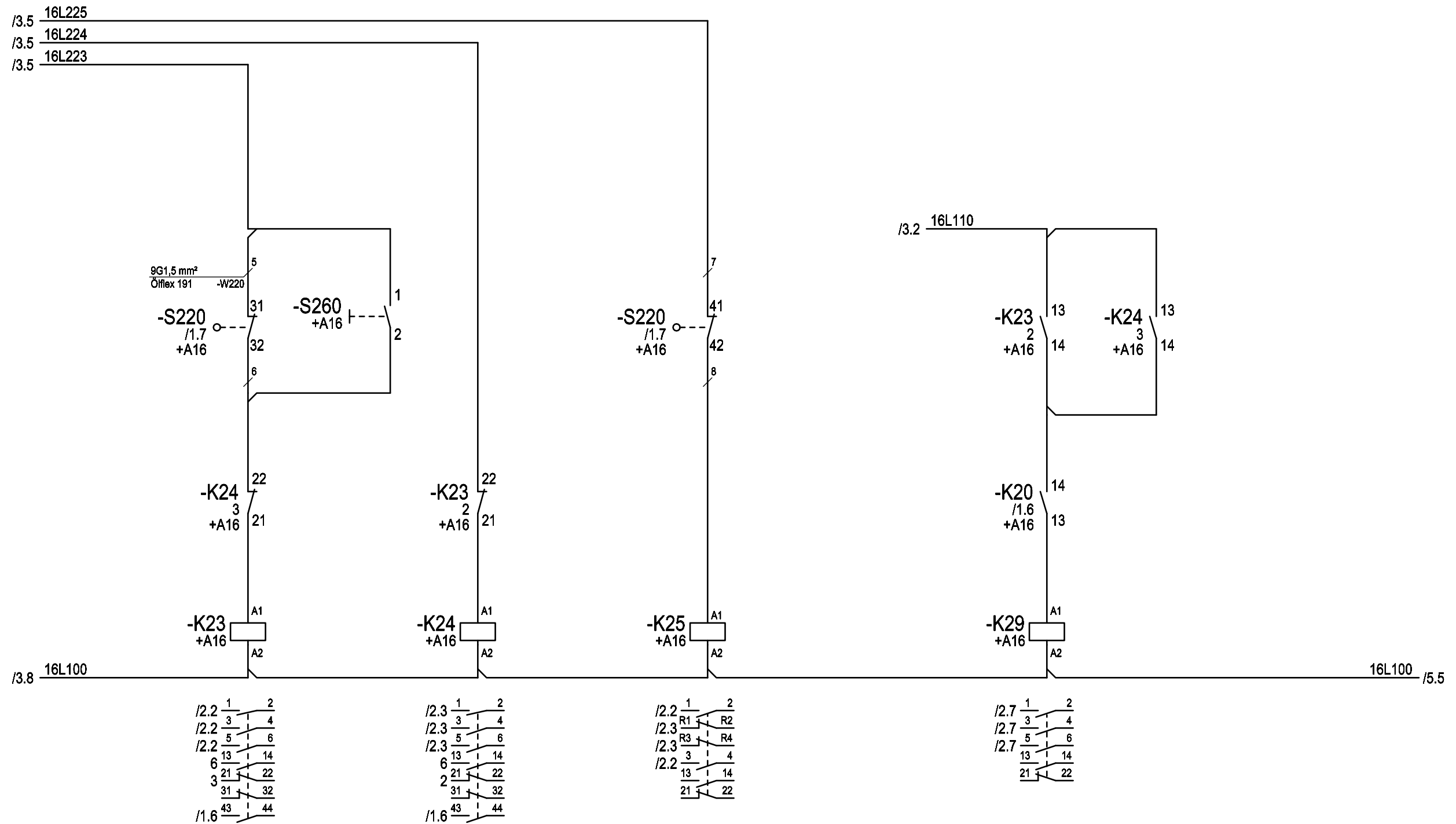
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hoisting
heben

lowering
senken

fast
schnell



Rev.	Changes	Date	Name	Date	Name
		09.08.13	Oster.	03.07.09	Huhnd.
				03.07.09	Nic.
				03.07.09	Huhnd.
				09.08.2013	

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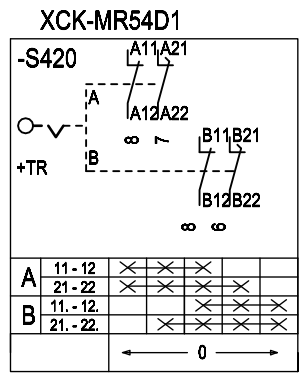
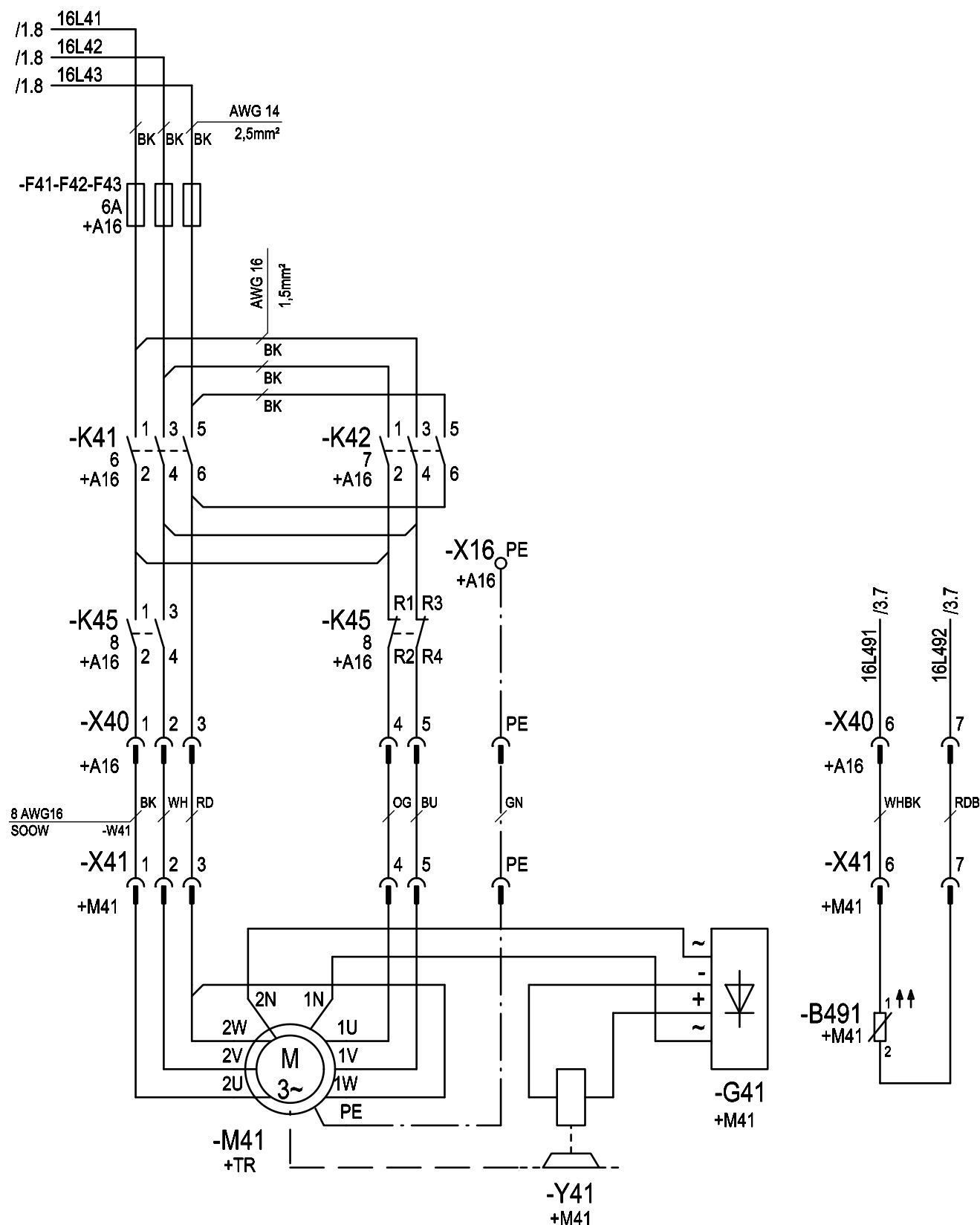
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cross travel motor
Katzfahrmotor

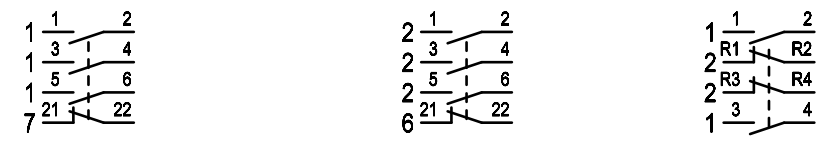
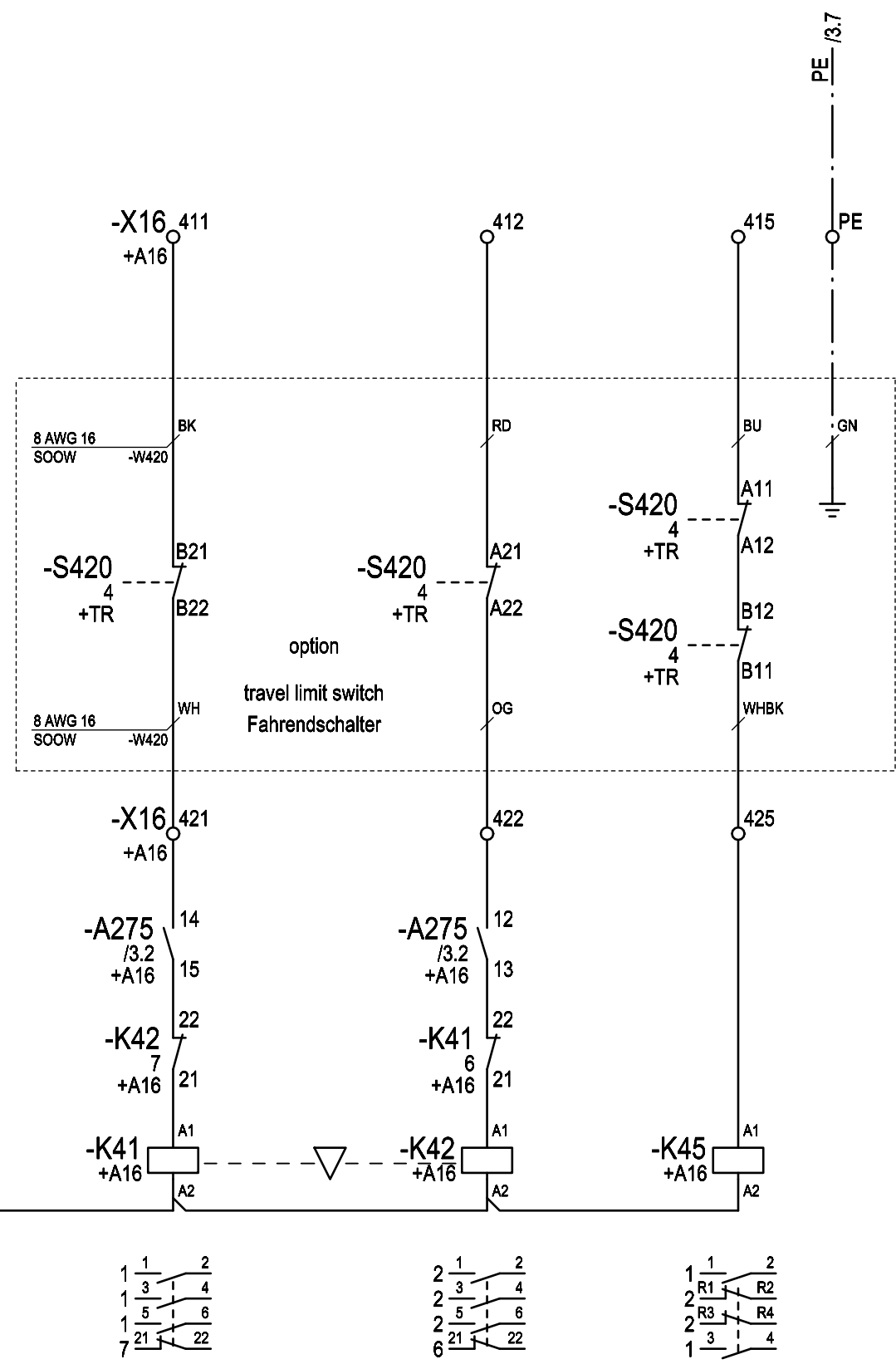
left
links

right
rechts

fast
schnell



Attention!
with double-rail crab: change contact A21-A22 and B21-B22
Bei Obergurttfahrwerken: Kontakte A21-A22 und B21-B22 tauschen



Changes	Date	Name	Date	Name
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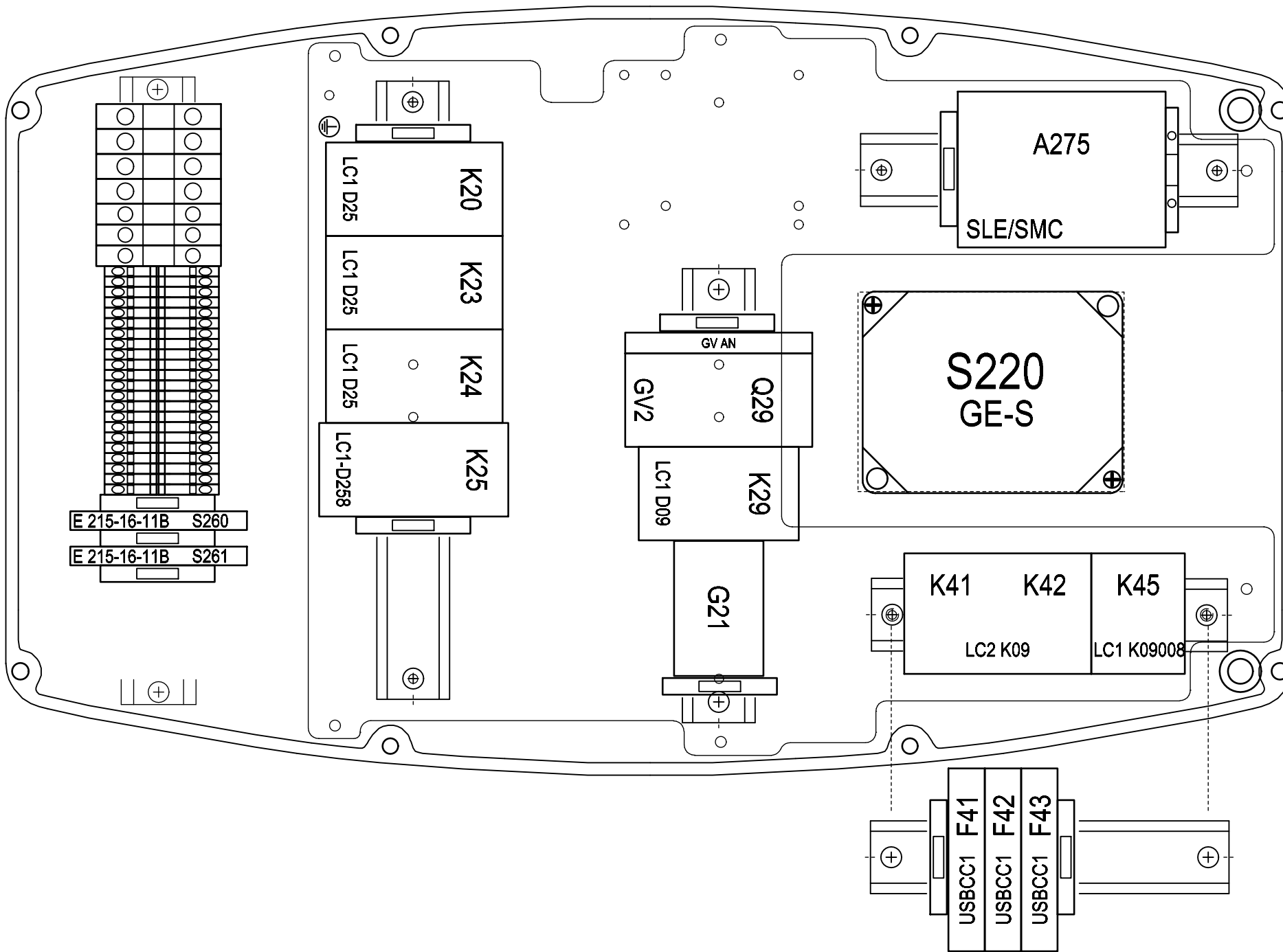
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1		2					3					4					5					6					7					8									
	AWG 16	1,5mm ²									WH																														
	AWG 16	1,5mm ²									RD																														
	AWG 16	1,5mm ²									BU	BU																													
	AWG 14	2,5mm ²	BK	BK	BK	BK																																			
Kabelbezeichnung cable designation	Kabel-Typ cable type		2	4	6	3	1			5	6		A2		1	1		4	5	3	16	17																			
Zielzeichen target symbol	Anschlussbezeichnung designation of connection		-K20	-K20	-K20	-Q29	-Q29			-G21	-G21		-K20		-A275	-S261		-A275	-A275	-A275	-A275	-A275																			
	Kennzeichen sign																																								
-X16	Darstellungsort place discription	/1.2	/1.2	/1.2	/1.2	/2.5	/2.5	/2.4	/1.2	/2.6	/2.7	/1.2	/1.2	/1.2	/1.2	/3.2	/3.3	/3.4	/3.2	/2.7	/2.8	/5.6	/5.6	/5.7	/5.7	/5.8	/5.8	/5.2	/5.8												
	Klemmentyp typ	WPE16	WDU16	WDU16	WDU16	WDU10	WDU10	WPE10	PPE2.5/4	PDU2.5/4	PDU2.5/4	PPE2.5/4	PDU2.5/4	PDU2.5/4	PDU2.5/4	PDU2.5/4	PDU2.5/4	PDU2.5/4	PDU2.5/4	PDU2.5/4	PDU2.5/4	PDU2.5/4	PDU2.5/4	PDU2.5/4	PDU2.5/4	PDU2.5/4	PPE2.5/4	PPE2.5/4													
	Klemmen-Nr. terminal number	PE	7	8	9	1N	2N	PE	PE	27	28	PE	100	101	110	110	211	212	215	216	291	292	411	421	412	422	415	425	PE	PE											
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Zielzeichen target symbol	Anschlussbezeichnung designation of connection	PE				1N	2N	PE								GY			BK	TP21	TP22	B21	B22	A21	A22	A11	B11	PE	PE												
	Kennzeichen sign																																								
Kabelbezeichnung cable designation	Kabel-Typ cable type	+A16-PE																																							
-W420	SOOW	8 AWG 16																				BK	WH	RD	OG	BU	WHBK	GN													

von übrigen Blättern
insgesamt
Anschl. siehe Blatt

29

GK SH5

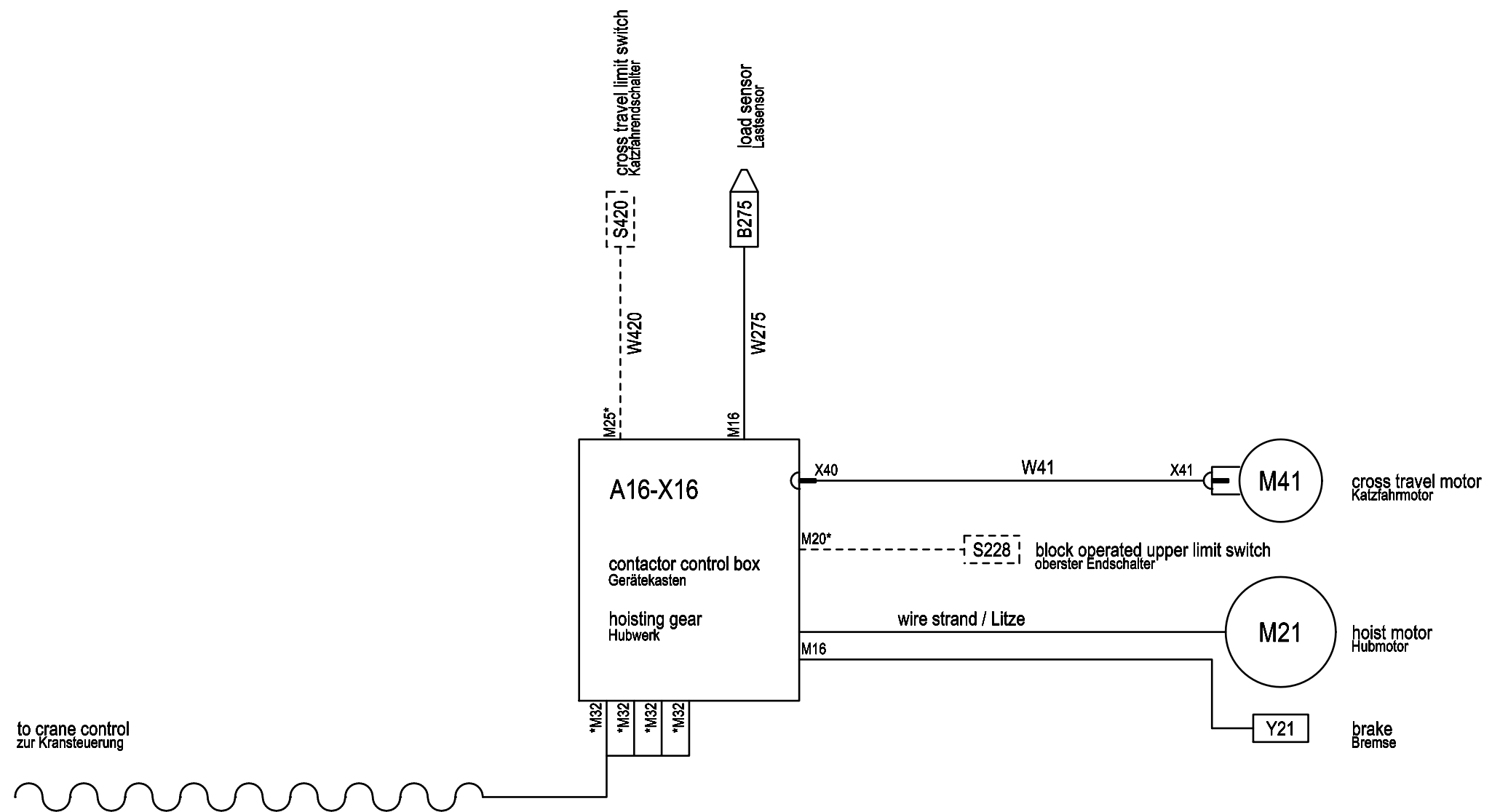


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			03.07.09	Nic.
			03.07.09	Huhnd.
Rev.			09.08.2013	

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location diagram SH5 H71 type B SLE/SMC +A16	Order No.	Serial No. xxxxxx
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* blind plug
Blindstopfen

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	09.08.13	Oster.	03.07.09	Huhnd.
			03.07.09	Nic.
			03.07.09	Huhnd.
Rev.			09.08.2013	

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