

**Drawing number**

Stromlaufplan

**04 438 06 13 0**

Control / Steuerung	SH4	
Hoist Motor / Hubmotor	12/2H42	
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	15A Class CC
	control fuse	0.63A

Document Dokument	Sheet Blatt
BILL OF MATERIALS GERÄTELISTE	1 (1)
POWER SUPPLY STROMVERSORGUNG	1 (8)
HOIST HUBWERK	2 (8)
TROLLEY FAHRWERK	4 (8)
TERMINAL DIAGRAM X16 KLEMMENPLAN X16	5 (8)
LOCATION DIAGRAM A16 AUFBAUPLAN A16	7 (8)
CABEL DIAGRAM KABELPLAN	8 (8)

Date / Datum	Dept. / Abteilung	Designer / Bearbeiter	Page / Seite
09.08.2013	TEPE	Huhndorf	1/1

Drawing number

04 438 06 13 0

Stromlaufplan

## 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	1/024.000.6 3A	RECTIFIER	MAYR	04 430 00 88 0
+A16	-K20	1	LC1-D12 G7	CONTACTOR	TELEMECANIQUE	582 022 0
		1	LAD-N11G	SCHÜTZ AUXILIARY CONTACT BLOCK	TELEMECANIQUE	582 069 0
+A16	-K23-K24	2	LC1-D12 G7	HILFSSCHALTERBLOCK CONTACTOR	TELEMECANIQUE	582 022 0
		2	LAD-N22G	SCHÜTZ AUXILIARY CONTACT BLOCK	TELEMECANIQUE	582 072 0
+A16	-K25	1	LC1-D128 G7	HILFSSCHALTERBLOCK CONTACTOR	TELEMECANIQUE	582 045 0
+A16	-K41-K42	1	LC2-K09 G7	SCHÜTZ CONTACTOR	TELEMECANIQUE	579 472 0
+A16	-K45	1	LC1-K09008 G7	SCHÜTZ CONTACTOR	TELEMECANIQUE	579 473 0
+A16	-S220	1	GE-S125.04	SCHÜTZ GEAR-TYPE LIMIT SWITCH	STROMAG	580 005 0
+A16	-S260/-S261	2	E 215-16-11B	GETRIEBEENDSCHALTER PUSH BUTTON	ABB	578 553 0
+A16	-X16	2	WPE10	DRUCKTASTER PE-TERMINAL	WEIDMUELLER	519 517 0
		3	WDU10	SCHUTZLEITERKLEMME TERMINAL	WEIDMUELLER	519 512 0
		3	PPE2.5/4	KLEMME PE-TERMINAL	WEIDMUELLER	519 521 0
		17	PDU2.5/4	SCHUTZLEITERKLEMME TERMINAL	WEIDMUELLER	519 520 0
+A16	-X16.1	2	PPE2.5/4	KLEMME PE-TERMINAL	WEIDMUELLER	519 521 0
		6	PDU2.5/4	SCHUTZLEITERKLEMME TERMINAL	WEIDMUELLER	519 520 0
+TR	-B275	1		KLEMME LOAD SENSOR		
+TR	-M21	1		LASTSENSOR HOIST MOTOR		
+TR	-M41	1		HUBMOTOR TROLLEY MOTOR		
+TR	-S228	1		KATZFAHRMOTOR BLOCK OPERATED UPPER LIMT SWITCH		
+TR	-S420	1		ENDSCHALTER (US) TROLLEY LIMIT SWITCH		
				KATZFAHRENDSCHALTER		

\* to note accomplishment ! / Ausführung beachten!

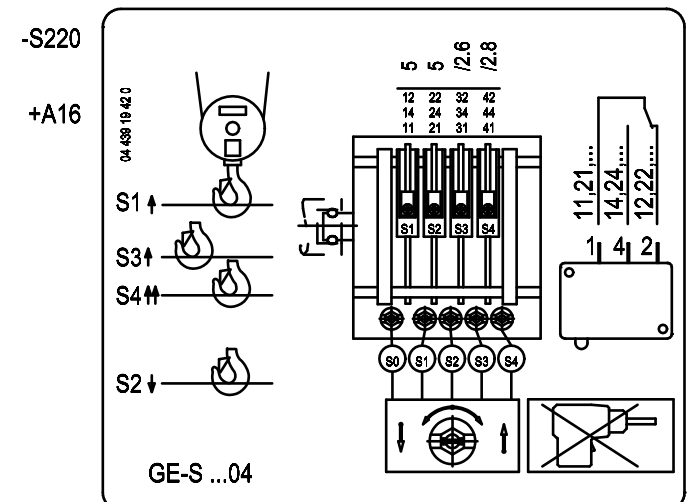
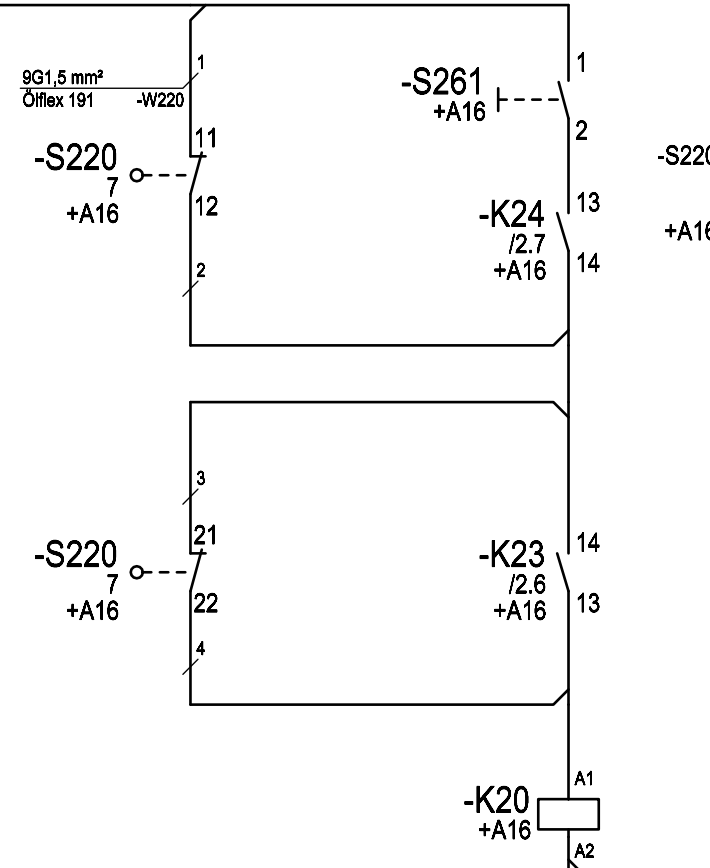
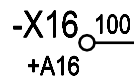
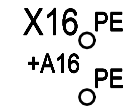
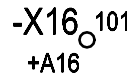
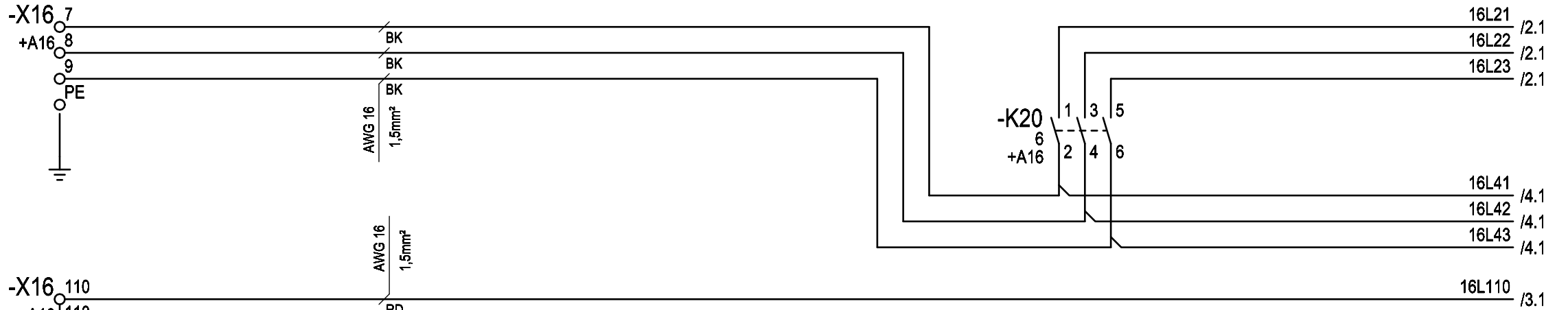
Date / Datum	Dept. / Abteilung	Designer / Bearbeiter	Page / Seite
09.08.2013	TEPE	Huhndorf	1/1

power supply  
Stromzuführung

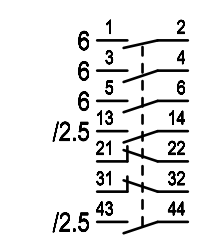
emergency hoist limit switch  
Nothubendschalter

main fuse  
Anschlussicherung  
15A Class CC

control fuse  
Steuersicherung  
0.63A



- 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



16L100 /2.6

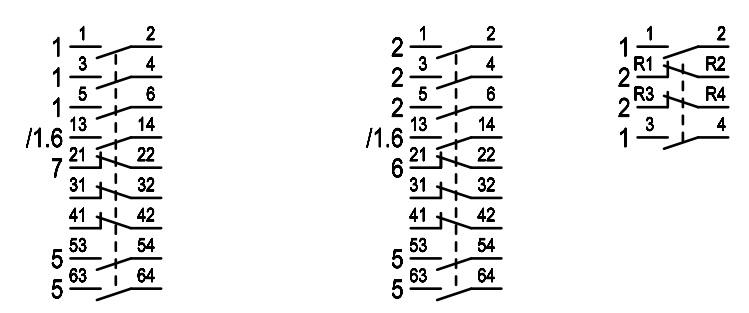
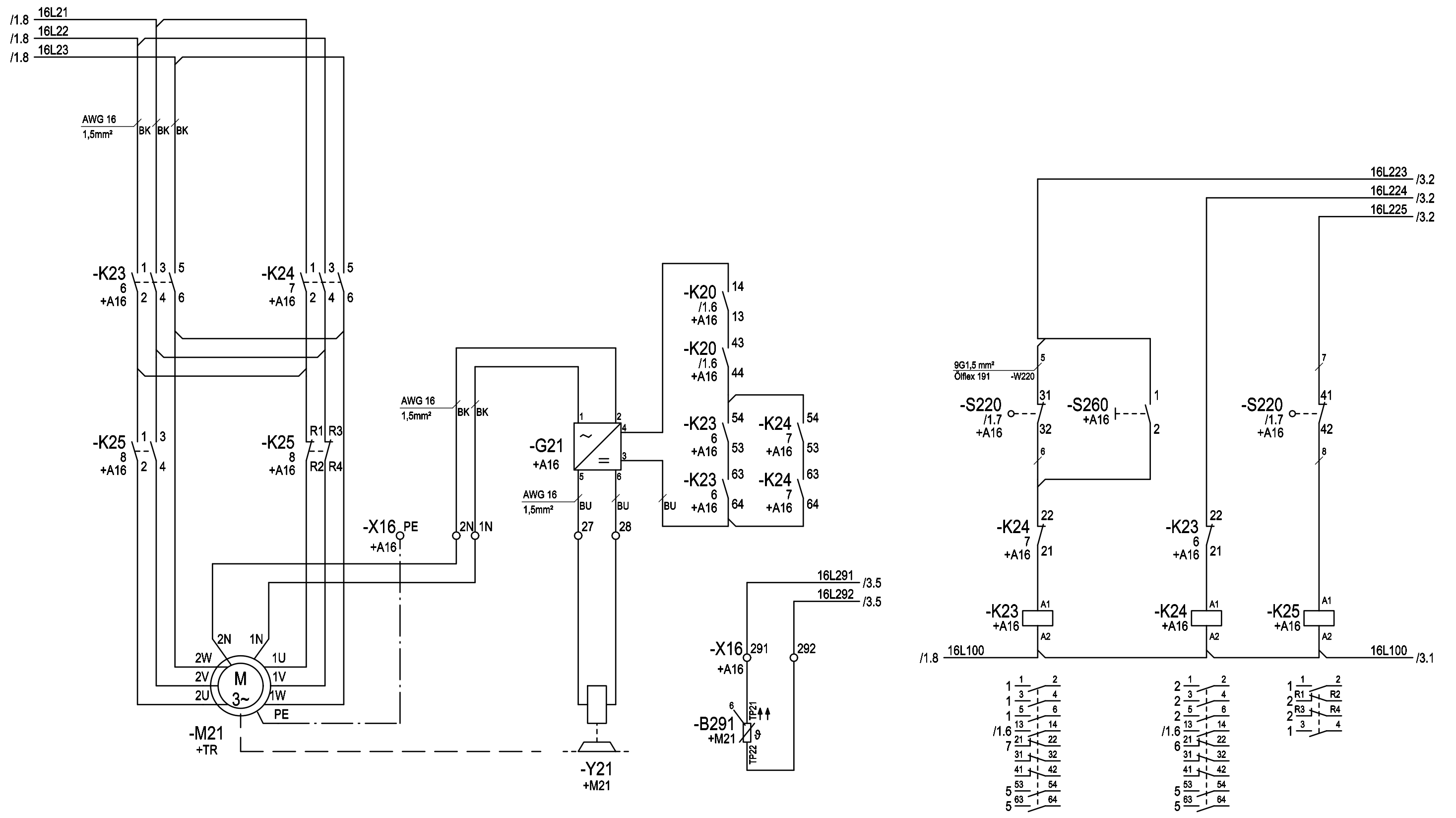
Changes	Date	Name	Date	Name	Copyright according to	Order No.	Serial No.	Page:
	09.08.13	Oster.	03.07.09	Huhnd.	DIN ISO 16016	circuit diagram	XXXXXX	1
			03.07.09	Nic.		SH4 H42 type B SLE/SMC		
			03.07.09	Huhnd.		power supply		
Rev.			09.08.2013		Origin			of: 8

hoist motor  
Hubmotor

hoisting  
heben

lowering  
senken

fast  
schnell

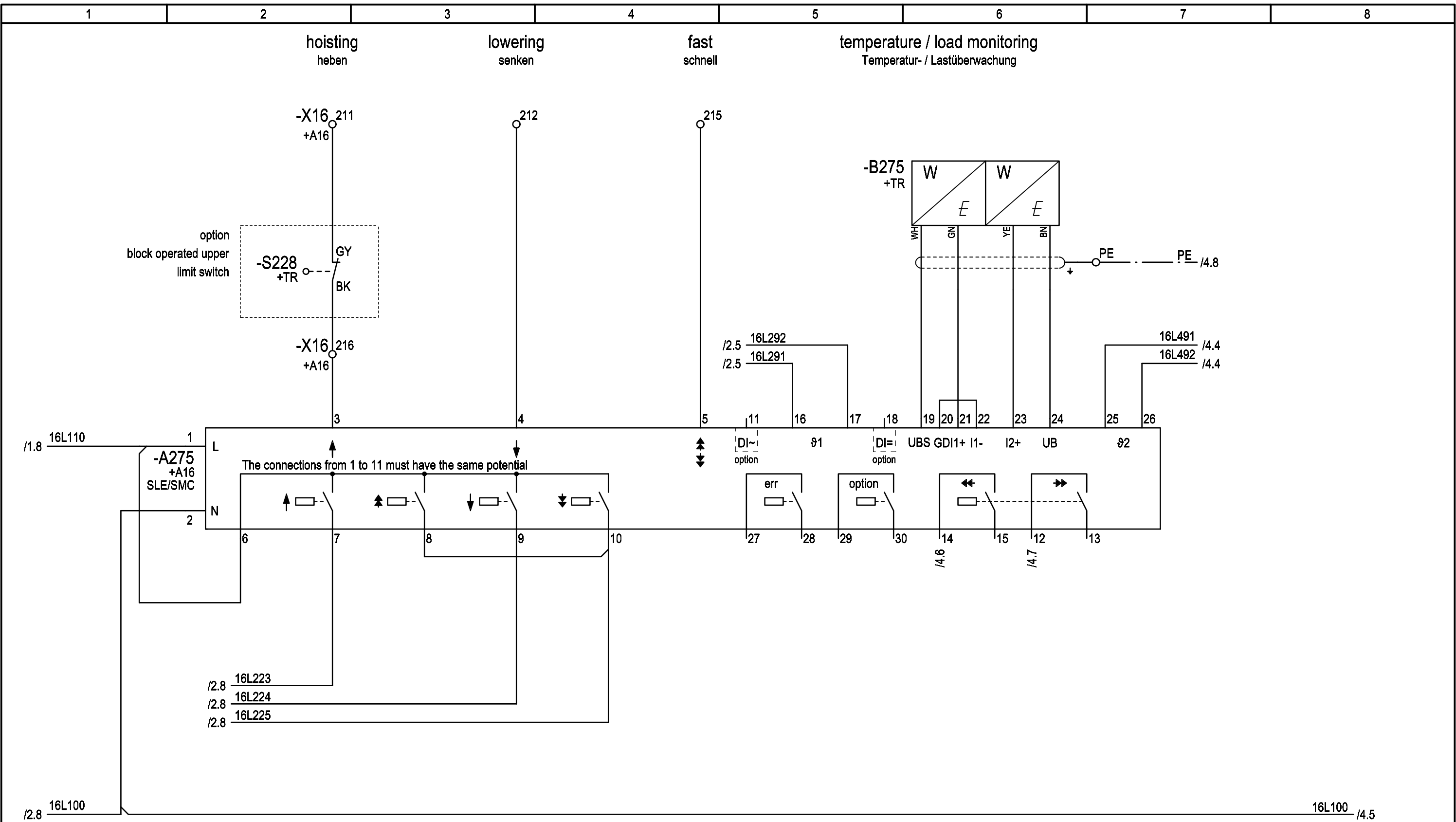


Changes	Date	Name	Date	Name
	09.08.13	Oster.	03.07.09	Huhnd.
			03.07.09	Nic.
			03.07.09	Huhnd.
Rev.		Plot	09.08.2013	

Rep. by	Rep. for	Origin
---------	----------	--------

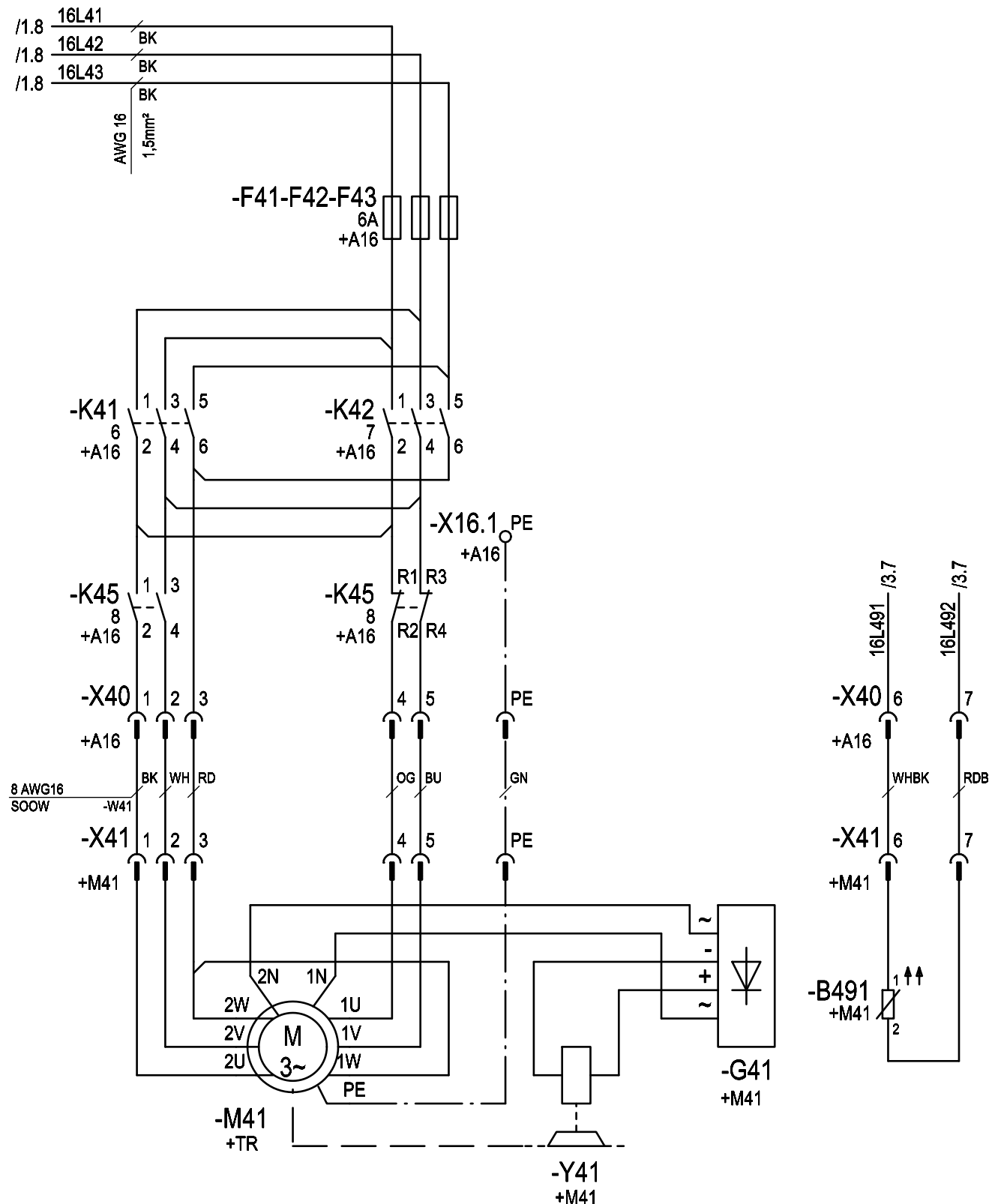
Copyright according to DIN ISO 16016	circuit diagram SH4 H42 type B SLE/SMC hoisting
Order No.	Serial No. xxxxxx

=	
+	
04 438 06 13 0	Page: 2 of: 8



Changes	Date	Name	Date	Name			Copyright according to DIN ISO 16016	circuit diagram SH4 H42 type B SLE/SMC hoisting		=
	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	Order No.	Serial No. xxxxxx	04 438 06 13 0
										Page: 3 of: 8

cross travel motor  
Katzfahrmotor

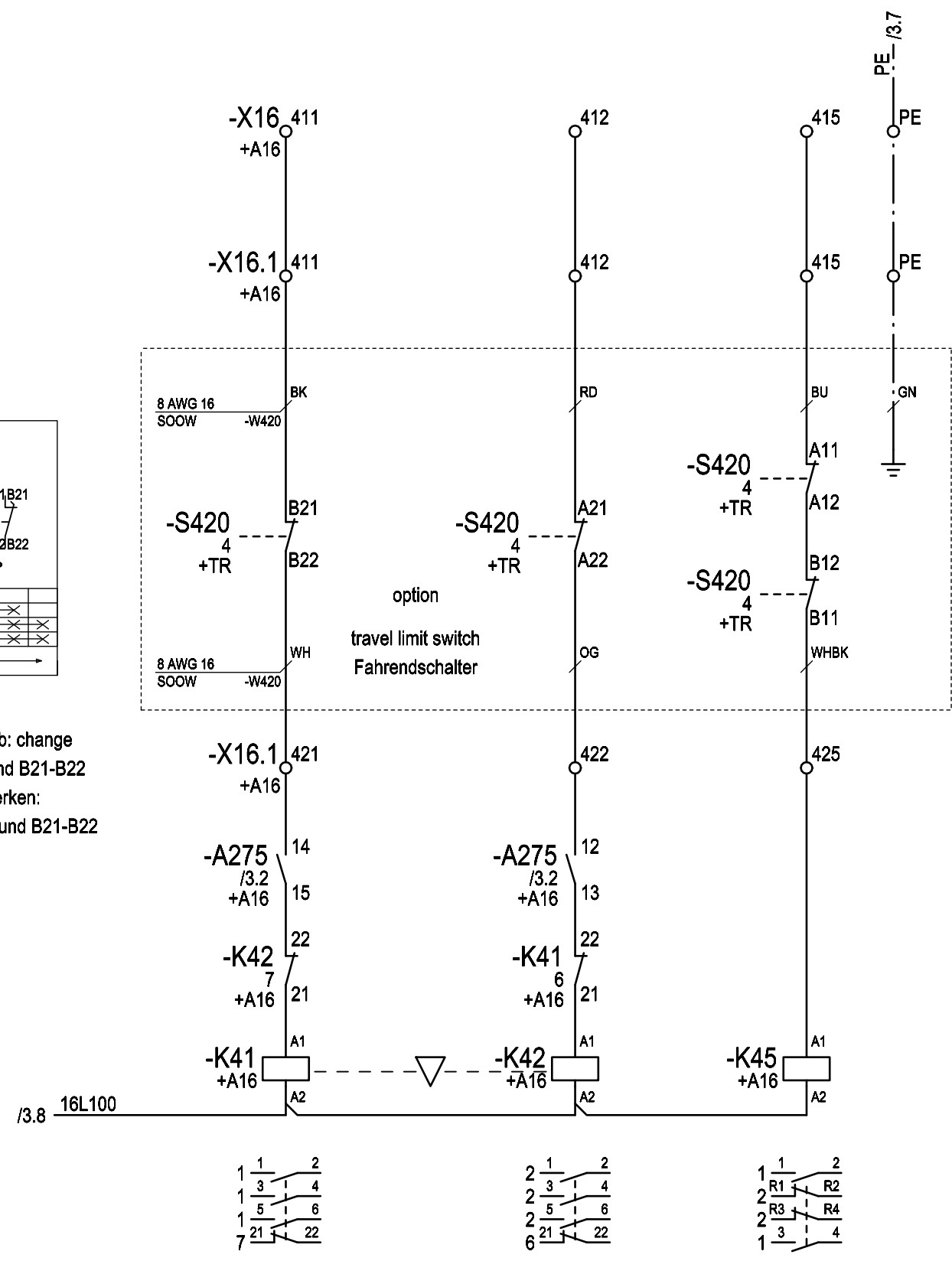


XCK-MR54D1

-S420	A11, A21				
	A12, A22				
	B11, B21				
	B12, B22				
A	11-12	X	X	X	X
A	21-22	X	X	X	X
B	11-12	X	X	X	X
B	21-22	X	X	X	X

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

left links  
right rechts  
fast schnell



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	Copyright according to DIN ISO 16016
----------	--------	--------------------------------------

circuit diagram	Order No.	Serial No. xxxxxx
SH4 H42 type B SLE/SMC		
trolley		

=	Page: 4
+	of: 8
04 438 06 13 0	



1		2				3					4					5					6					7					8							
Kabelbezeichnung cable designation		Kabel-Typ cable type		PE	411	14	412	12	415	A1	PE																											
Zielzeichen target symbol	Anschlussbezeichnung designation of connection		-X40	-X16	-A275	-X16	-A275	-X16	-K45	-X16																												
	Kennzeichen sign																																					
-X16.1	Darstellungsort place discription		/4.2	/4.6	/4.6	/4.7	/4.7	/4.8	/4.8	/4.8																												
	Klemmentyp typ		PPE2.5/4	PDU2.5/4	PDU2.5/4	PDU2.5/4	PDU2.5/4	PDU2.5/4	PDU2.5/4	PPE2.5/4																												
	Klemmen-Nr. terminal number		PE	411	421	412	422	415	425	PE																												
Anschluss-Leiste terminal connector strip	Laschenverbindung link		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○		
	Zielzeichen target symbol	Anschlussbezeichnung designation of connection		B21	B22	A21	A22	A11	B11	PE																												
		Kennzeichen sign																																				
Kabelbezeichnung cable designation		Kabel-Typ cable type		+TR-S420	+TR-S420	+TR-S420	+TR-S420	+TR-S420	+TR-S420	+TR-S420																												
-W420		SOOW	8 AWG 16	BK	WH	RD	OG	BU	WHBK	GN																												

von übrigen Blättern  
insgesamt  
Anschl. siehe Blatt

8

Changes	Date	Name		Date	Name
	09.08.13	Oster.	Editor	03.07.09	Huhnd.
			Proved	03.07.09	Nic.
			Release	03.07.09	Huhnd.
			Plot	09.08.2013	

Rep. by	Rep. for	Origin
---------	----------	--------

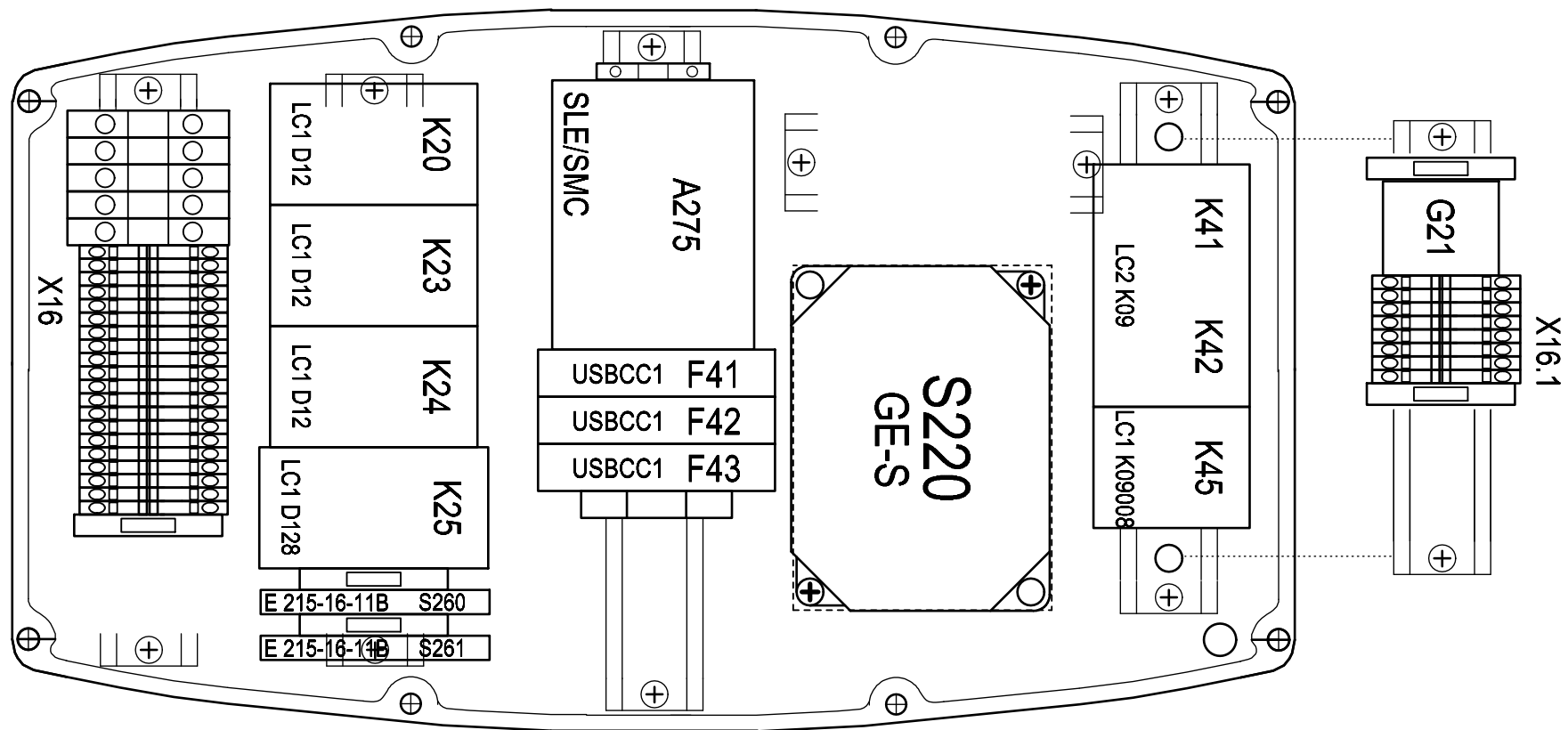
Copyright according to  
DIN ISO  
16016

terminal diagram  
  
=+A16-X16.1  
Order. no.      Serial no. XXXXXX

=	
+A16	
04 438 06 13 0	Page: 6 of: 8



# GK SH4

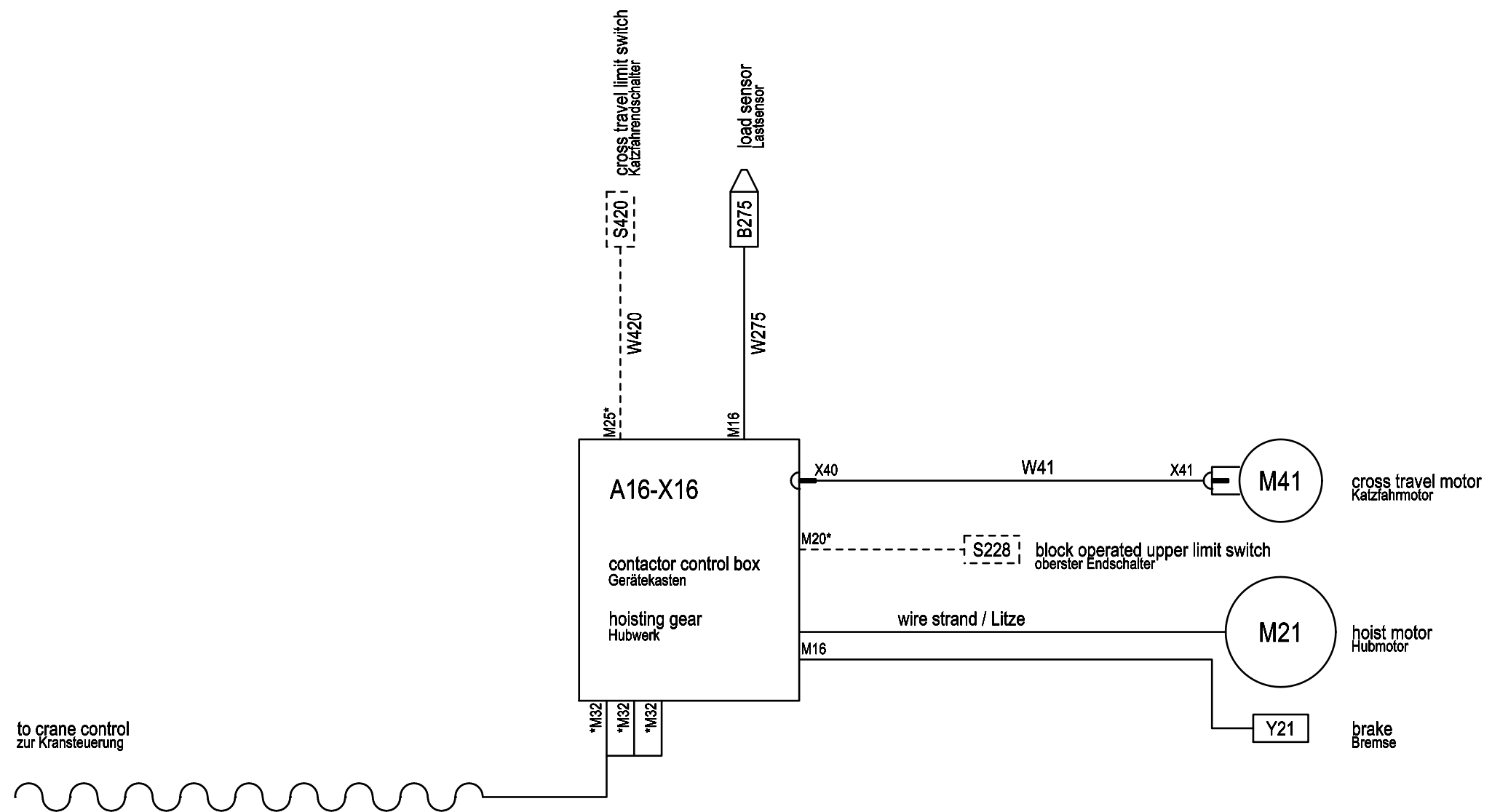


Changes	Date	Name	Date	Name
	09.08.13	Oster.	03.07.09	Huhnd.
			03.07.09	Nic.
			03.07.09	Huhnd.
Rev.			09.08.2013	

Rep. by	Rep. for	Origin
---------	----------	--------

Copyright according to DIN ISO 16016	location diagram SH4 H42 type B SLE/SMC +A16
Order No.	Serial No. xxxxxx

=	
+	
04 438 06 13 0	Page: 7 of: 8



\* blind plug  
Blindstopfen

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

Plot	09.08.2013	Rep. by	Rep. for	Origin
------	------------	---------	----------	--------

Copyright according to DIN ISO 16016	cable diagram SH4 H42 type B SLE/SMC
Order No.	Serial No. xxxxxx

=	
+	
04 438 06 13 0	Page: 8 of: 8