Parametereinstellungen *Logo* D59 - SPS

ME 130

Ver. 1.2

T1	einschaltverz.	1,5 sec.	verzögert beim Einschalten Gang 1
T2	einschaltverz.	1,5 sec.	Laufzeit Hauptmotor rückwärts
T3	abfallverz.	7 sec.	Hauptmotor Rückschaltung von Gang 2 nach Gang 1
T4	einschaltverz.	10,5 sec.	Paddel Rechtslauf
T5	einschaltverz.	2,5 sec.	Paddel rechts Pause
T6	einschaltverz.	12,5 sec.	Paddel Linkslauf
T7	einschaltverz.	2,5 sec.	Paddel links Pause
T8	einschaltverz.	1,5 sec.	Hauptmotor rückwärts

Parametereinstellungen Logo D61 - SPS

ME 130 / MG 160 / MU 200

Ver. 1.0 Hydr.

T1	abfallverz.	2 sec.	Beladevorrichtung ab mit Druck
T2	abfallverz.	40 sec.	Beladevorrichtung ab drucklos
T3	abfallverz.	60 sec.	Überwachungszeit Hydraulikmotor
T4	ansprechverz.	20 sec.	verzögert Ausstoßer

Factory Seydelmann KG
Burgstallstrasse 1-3
D-73431 Aalen

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fax : +049 (0) 7361 / 359-51
email : info@aa.seydelmann.com

electrical documentation

customer :	VEMAG Australia Pty. Ltd
	AUS - Victoria Point West
comm.:	Sunshine Meats Milperra
machine-typ:	MU 200 B
circuit diagram nr.:	9 90 120006
machine-nr.:	15 210-1
order number Seydelmann:	2083715
created :	28.09.2015
EPLAN - version :	2.4.4

technical changes

page count : 54

1a

information

wiring colours

main wiring system :	black
neutral conductor :	blue
protective conductor	green / yellow
controll circuit 230V :	red
direkt current 0V-24V :	blue
measurement line :	white
external voltage :	orange

voltage declaration

connecting power :	41kW
main voltage :	400VAC 50Hz
control voltage :	24V DC/ 230V AC
main fuse:	125A
Max. source impedance Zv:	250mOhm

place name

place	S:	electric control box
place	MA:	machine
place	SK:	switch housing
place	AN:	display

hints:

cable imports:

- ☐ top
- ☐ bottom
- ☒ right
- ☐ left
- ☐ in front
- ☐ behind

customer regulation:

- ☐ yes
- ☒ no

main switch:

- ☐ in front
- ☒ behind
- ☐ right
- ☐ left

panel box socket:

- ☐ yes
- ☒ no
- ☐ 100 mm
- ☐ 200 mm
- ☐ 300 mm

1 1b

Date : 27.10.2015 agent : last processor : Schercher	MU 200 B	MASCHINENFABRIK Seydelmann	information	circuit diagram nr.: 9 90 120006	place: + DOKU plant: = SP	Page: 1a

information

core colors

colour	short symbol IEC
white	WH
brown	BN
green	GN
yellow	YE
grey	GY
pink	PK
blue	BU
red	RD
black	BK
purple	VT
grey/ pink	GY/PK
red/ blue	RD/BU
white/ green	WH/GN
brown/ green	BN/GN
white / yellow	WH/YE
yellow / brown	YE/BN
white / grey	WH/GY
grey / brown	GY/BN
white / pink	WH/PK
pink / brown	PK/BN
white / blue	WH/BU
brown / blue	BN/BU
white / red	WH/RD
brown / red	BN/RD
white / black	WH/BK
brown / black	BN/BK
grey/ green	GY/GN
yellow / grey	YE/GY
pink/green	PK/GN
yellow/ pink	YE/PK
green/ blue	GN/BU
yellow/ blue	YE/BU
orange	OG
turquoise	TQ

index

F06_SEYDELMANN

page / path	Page description		Date	agent	X
=SP+DOKU/1	front page		27.10.2015	Schercher	
=SP+DOKU/1a	information		27.10.2015	Schercher	
=SP+DOKU/1b	information		05.03.2013	Kirchner	
=SP+DOKU/2	index		27.10.2015	Schercher	
=SP+DOKU/3	index		27.10.2015	Schercher	
=SP+DOKU/8	terminal overview		27.10.2015	Schercher	
=SP+S/1	incoming voltage		28.09.2015	Schercher	
=SP+S/2	motor for grinder worm		27.10.2015	Schercher	
=SP+S/3	mixing motor		27.10.2015	Schercher	
=SP+S/4	motors		27.10.2015	Schercher	
=SP+S/15	230/24V supply		27.10.2015	Schercher	
=SP+S/20	brake device		27.10.2015	Schercher	
=SP+S/22	control 230V		27.10.2015	Schercher	
=SP+S/23	step		27.10.2015	Schercher	
=SP+S/30	stillstand guard		28.09.2015	Schercher	
=SP+S/41	24V control circuit		27.10.2015	Schercher	
=SP+S/42	24V control circuit		27.10.2015	Schercher	
=SP+S/100	LOGO		27.10.2015	Schercher	
=SP+S/102	PLC overview DI / DQ		27.10.2015	Schercher	
=SP+S/103	PLC overview DI / DQ		27.10.2015	Schercher	
=SP+S/119	supply LOGO		27.10.2015	Schercher	
=SP+S/120	inputs		27.10.2015	Schercher	
=SP+S/121	inputs		27.10.2015	Schercher	
=SP+S/140	outputs		27.10.2015	Schercher	
=SP+S/141	outputs		28.09.2015	Schercher	
=SP+S/200	switch housing		27.10.2015	Schercher	
=SP+S/201	switch housing		08.05.2013	Schercher	
=SP+S/202	symbol panel		27.10.2015	Schercher	
=SP+S/202a	symbol panel		27.10.2015	Schercher	
=SP+S/300	empty box		11.04.2014	Schercher	
=SP+KLE/1	terminal plan =SP+S-X1M		27.10.2015	Schercher	
=SP+KLE/2	terminal plan =SP+S-X0V		27.10.2015	Schercher	
=SP+KLE/3	terminal plan =SP+S-X0V		27.10.2015	Schercher	

index

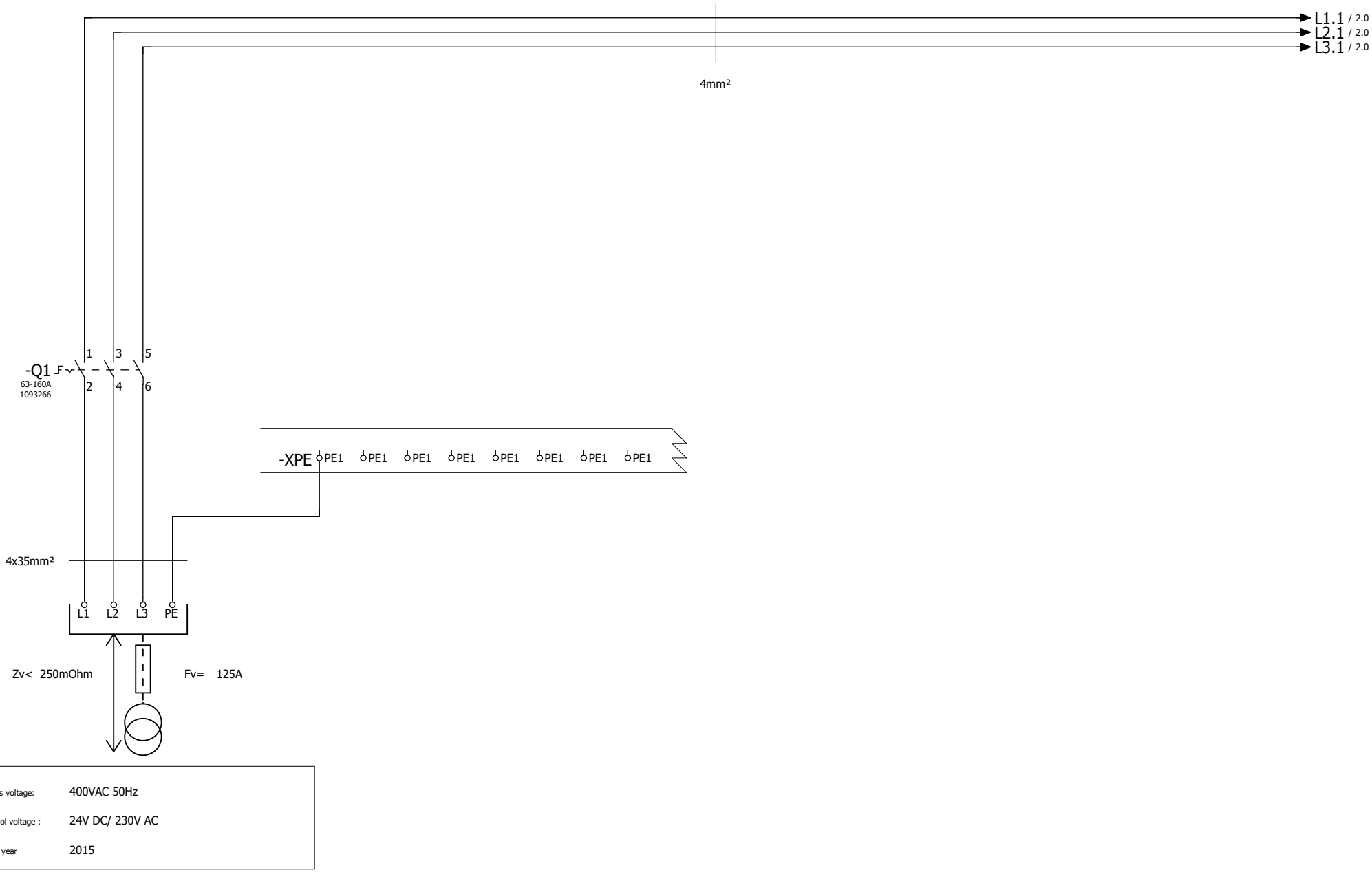
F06_SEYDELMANN

page / path	Page description		Date	agent	X
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=SP+KLE/5	terminal plan =SP+S-XM		27.10.2015	Schercher	
=SP+KLE/6	terminal plan =SP+S-X0V		27.10.2015	Schercher	
=SP+KLE/7	terminal plan =SP+S-X2		27.10.2015	Schercher	
=SP+KAB/1	cable overview		27.10.2015	Schercher	
=SP+STUE/1	part list		27.10.2015	Schercher	
=SP+STUE/2	part list		27.10.2015	Schercher	
=SP+STUE/3	part list		27.10.2015	Schercher	
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=SP+STUE/7	part list		27.10.2015	Schercher	
=SP+STUE/8	part list		27.10.2015	Schercher	
=SP+STUE/9	part list		27.10.2015	Schercher	
=SP+STUE/10	part list		27.10.2015	Schercher	
=SP+STUE/11	part list		27.10.2015	Schercher	
=SP+STUE/12	part list		27.10.2015	Schercher	
=SP+SUMM/1	part list total		27.10.2015	Schercher	
=SP+SUMM/2	part list total		27.10.2015	Schercher	
=SP+SUMM/3	part list total		27.10.2015	Schercher	
=SP+SUMM/4	part list total		27.10.2015	Schercher	

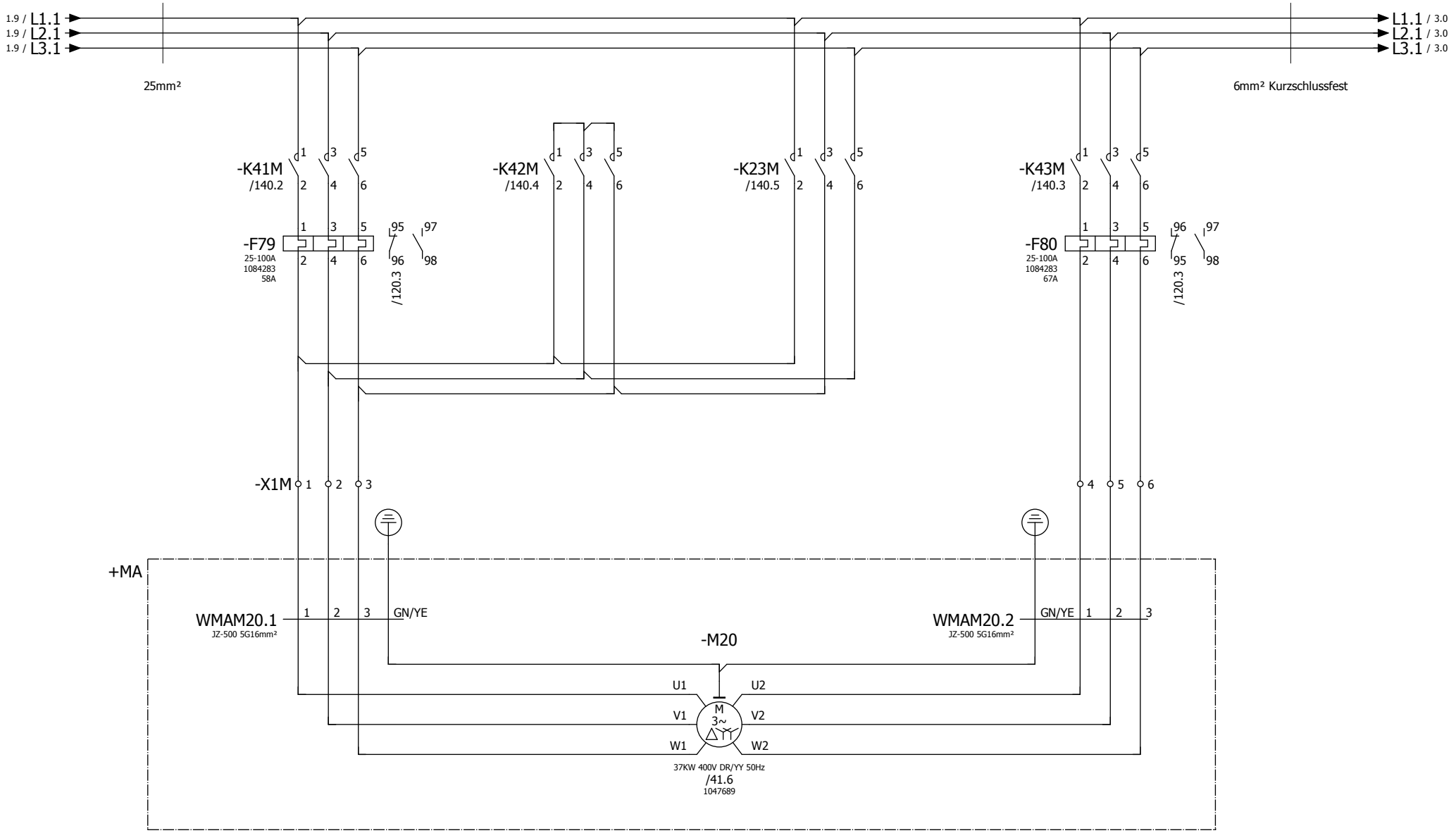
Terminal-strip overview

F14_SEYDELMANN

terminal	function text	terminals					page of terminal plan
		first	last	Total PE	Total N	total	
+S-X0V	0V terminal inside control cabinet	0V	TR1	0	0	10	=SP+KLE/2
+S-X1	control 230V terminal inside control cabinet	109	124	0	0	3	=SP+KLE/4
+S-X1M	motors terminal inside control cabinet	1	PE	1	0	13	=SP+KLE/1
+S-X2	control 230V terminal inside control cabinet	200	312	0	0	30	=SP+KLE/7
+S-X24V	24V terminal inside control cabinet	+	+	0	0	12	=SP+KLE/6
+S-X230V	230V terminal inside control cabinet	230V	230V	0	0	6	=SP+KLE/3
+S-XM	ground terminal inside control cabinet	-	-	0	0	12	=SP+KLE/5

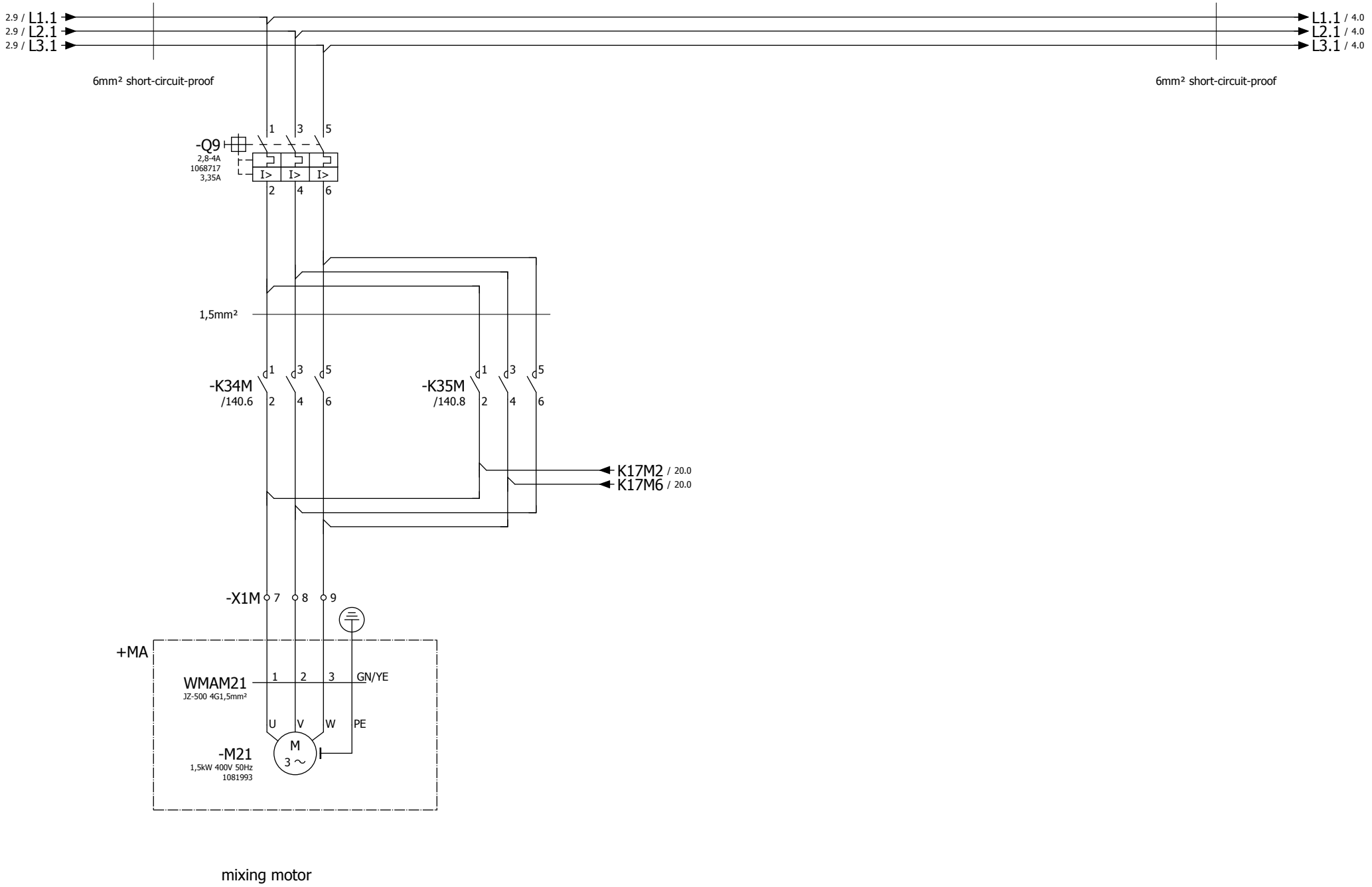


Date : 28.09.2015 agent : last processor : Schercher	MU 200 B	MASCHINENFABRIK Seydelmann	incoming voltage	circuit diagram nr.: 9 90 120006	place: + S plant: = SP	Page: 1



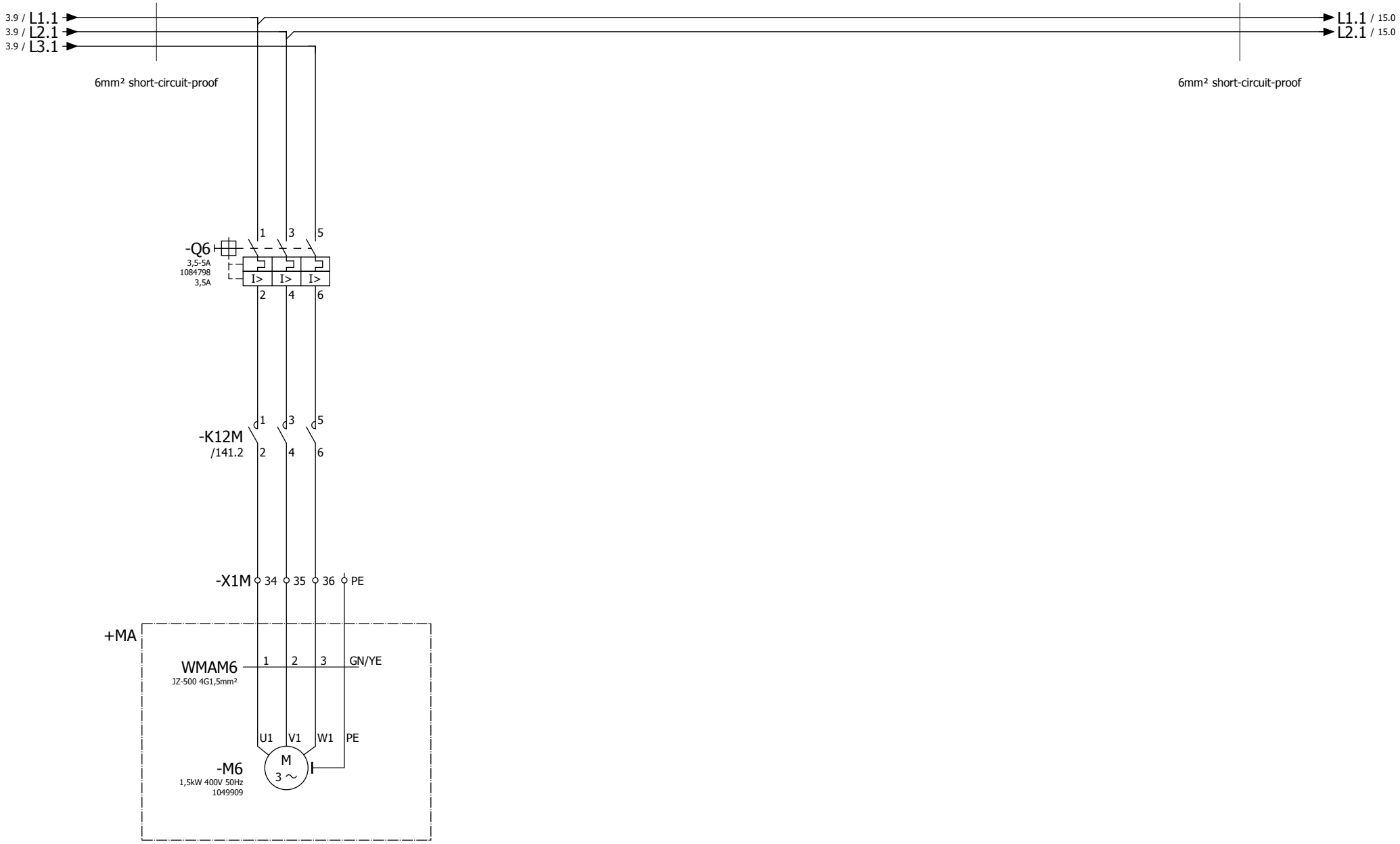
motor for grinder
worm

Date : 27.10.2015 agent : last processor : Schercher	MU 200 B	MASCHINENFABRIK Seydelmann	motor for grinder worm	circuit diagram nr.: 9 90 120006	place: + S plant: = SP	Page: 2



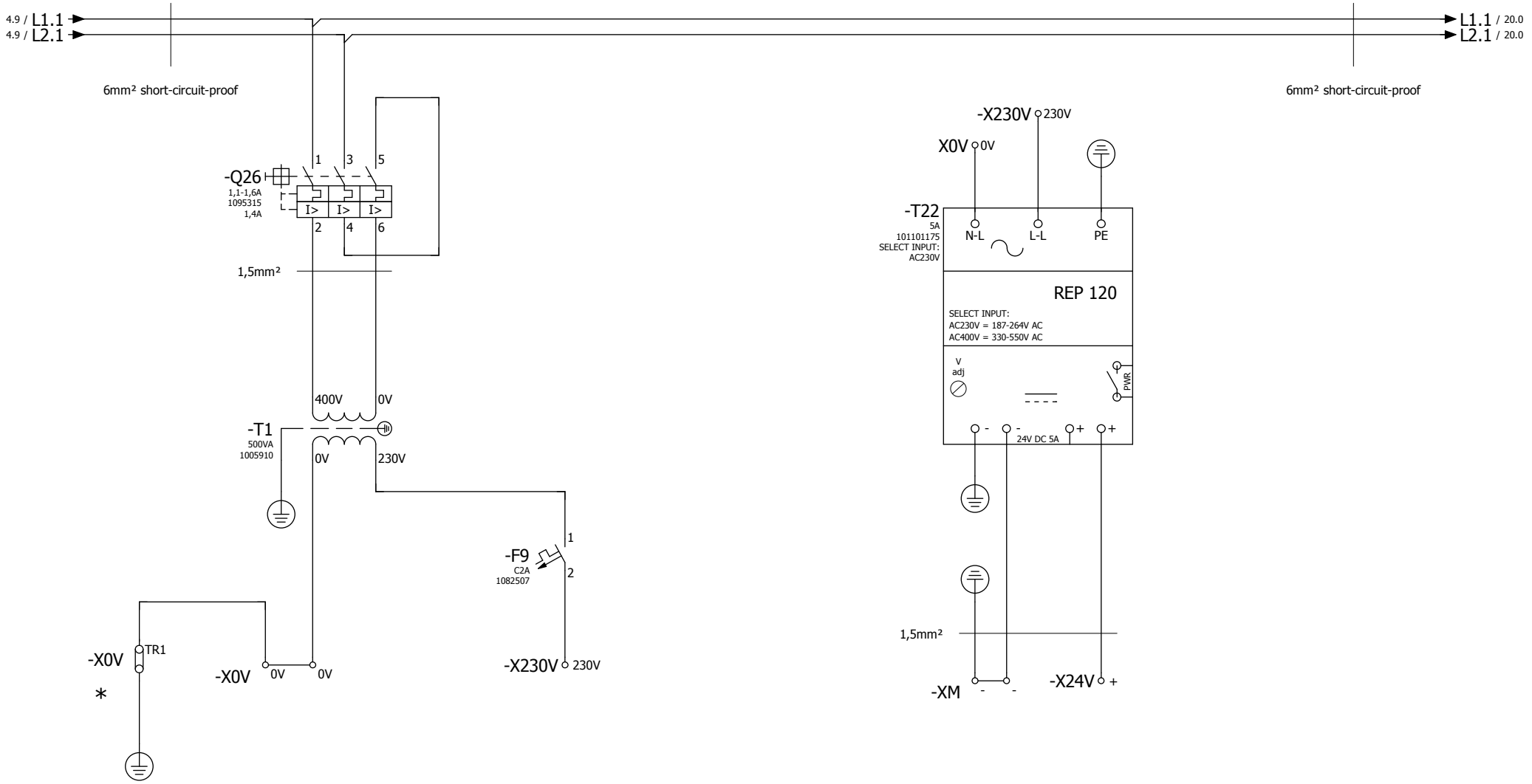
mixing motor

Date : 27.10.2015 agent : last processor : Schercher	MU 200 B	MASCHINENFABRIK Seydelmann	mixing motor	circuit diagram nr.: 9 90 120006	place: + S plant: = SP	Page: 3



hydraulik motor

Date : 27.10.2015 agent : last processor : Schercher	MU 200 B	MASCHINENFABRIK Seydelmann	motors	circuit diagram nr.: 9 90 120006	place: + S plant: = SP	Page: 4



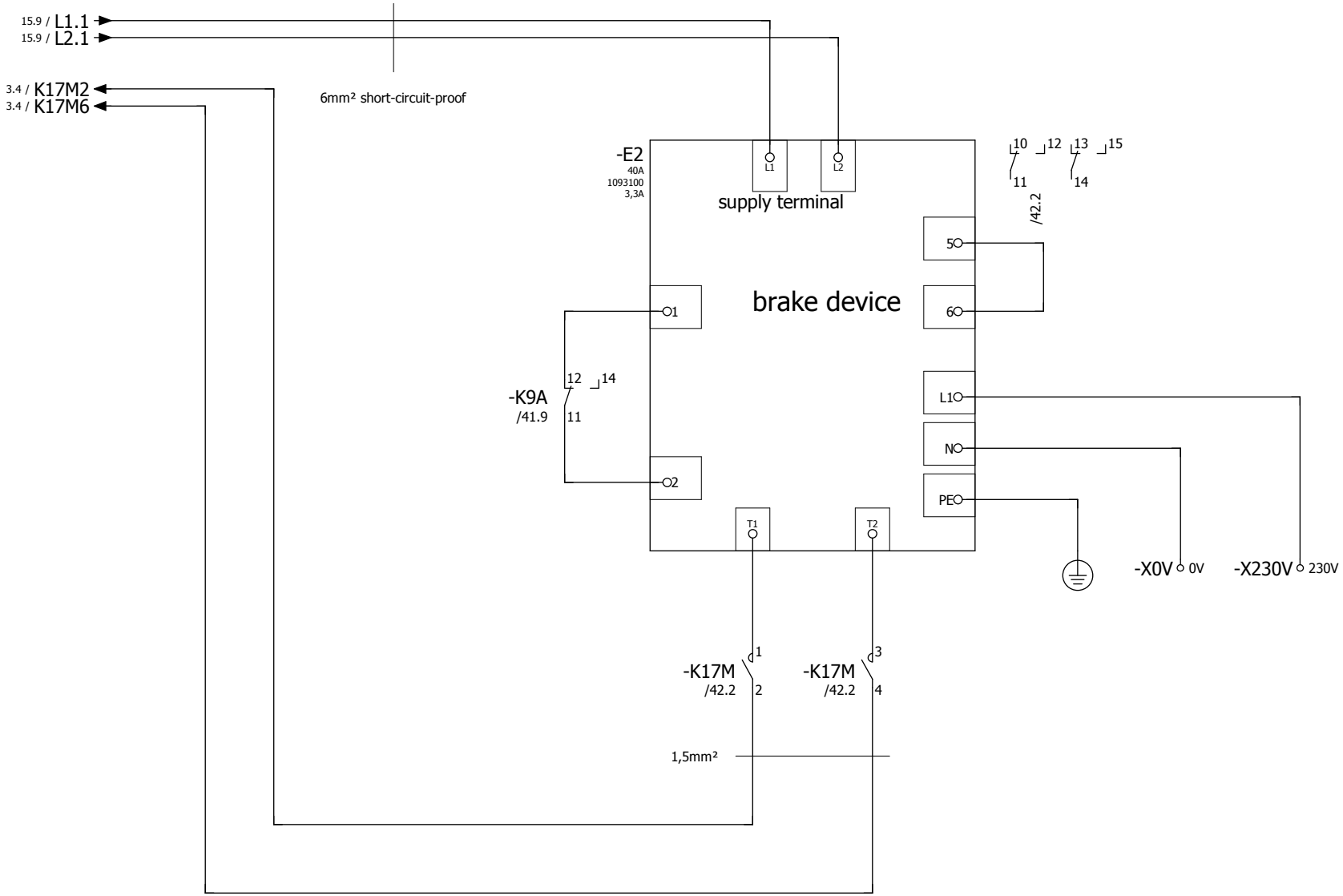
control voltage 230V

control voltage 24V

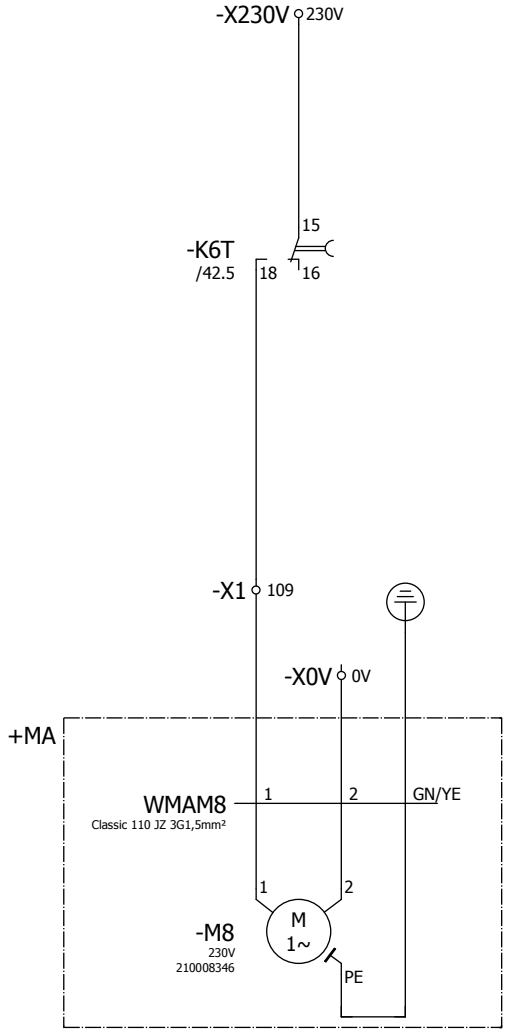
* Der Steuerkreis ist über eine Trennklemme einseitig geerdet.
Wird diese Erdverbindung getrennt, so ist eine Isolationsüberwachung einzubauen (VDE0113/Teil 1 Abs.6.2.2 / DIN EN 60204-1)

The control circuit is grounded by disconnect earth terminal.
If this earth connection is seperated, a ground leakage protection has to be required (VDE0113/Teil 1 Abs.6.2.2 / DIN EN 60204-1)

Date : 27.10.2015 agent : last processor : Schercher	MU 200 B	MASCHINENFABRIK Seydelmann	230/24V supply	circuit diagram nr.: 9 90 120006	place: + S plant: = SP	Page: 15

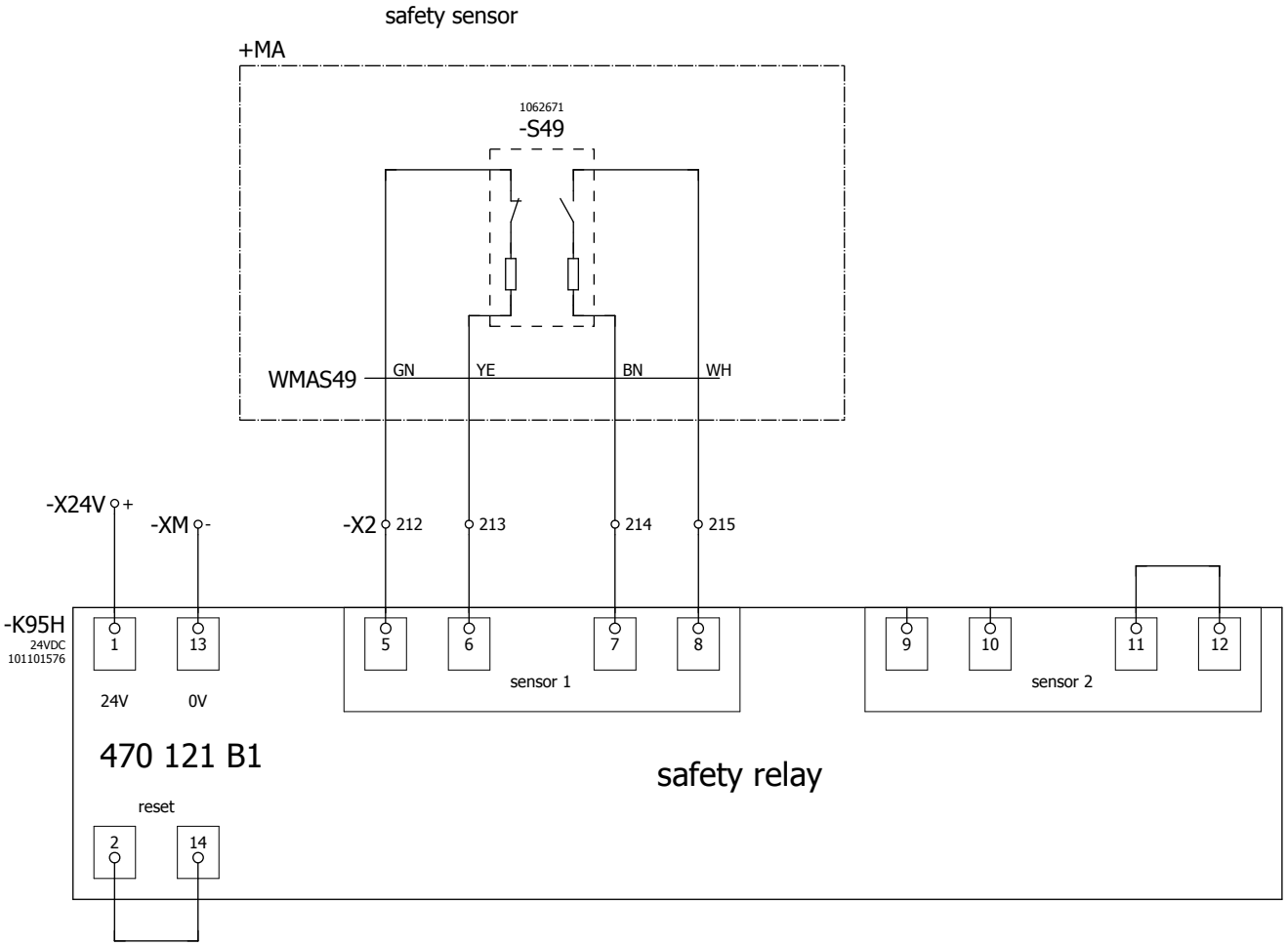


Date : 27.10.2015 agent : last processor : Schercher	MU 200 B	MASCHINENFABRIK Seydelmann	brake device	circuit diagram nr.: 9 90 120006	place: + S plant: = SP	Page: 20

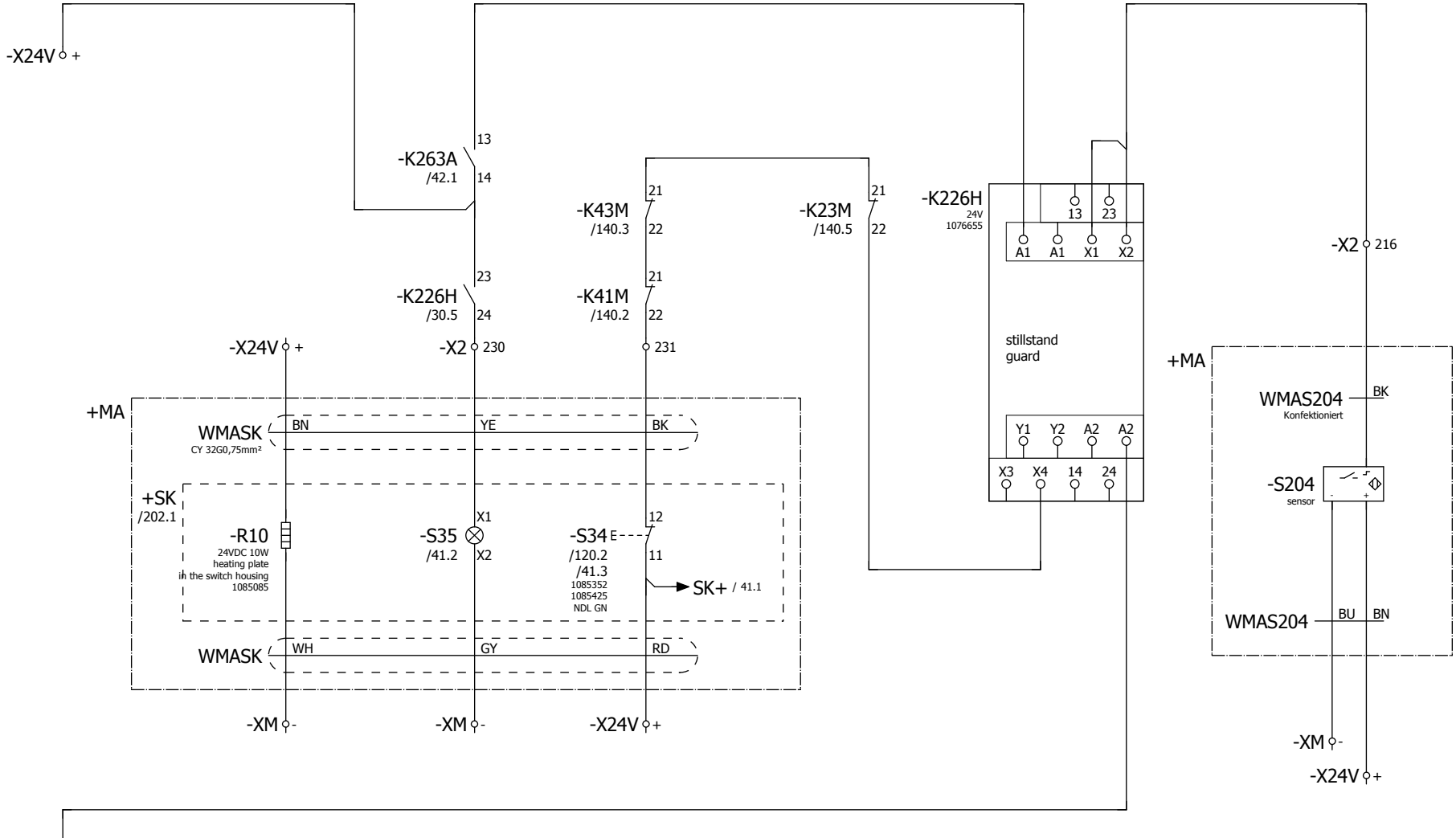


vantilation of frame

Date : 27.10.2015 agent : last processor : Schercher	MU 200 B	MASCHINENFABRIK Seydelmann	control 230V	circuit diagram nr.: 9 90 120006	place: + S plant: = SP	Page: 22



Date : 27.10.2015 agent : last processor : Schercher	MU 200 B	MASCHINENFABRIK Seydelmann	step	circuit diagram nr.: 9 90 120006	place: + S plant: = SP	Page: 23



heating plate in the switch housing

signal for hand protection

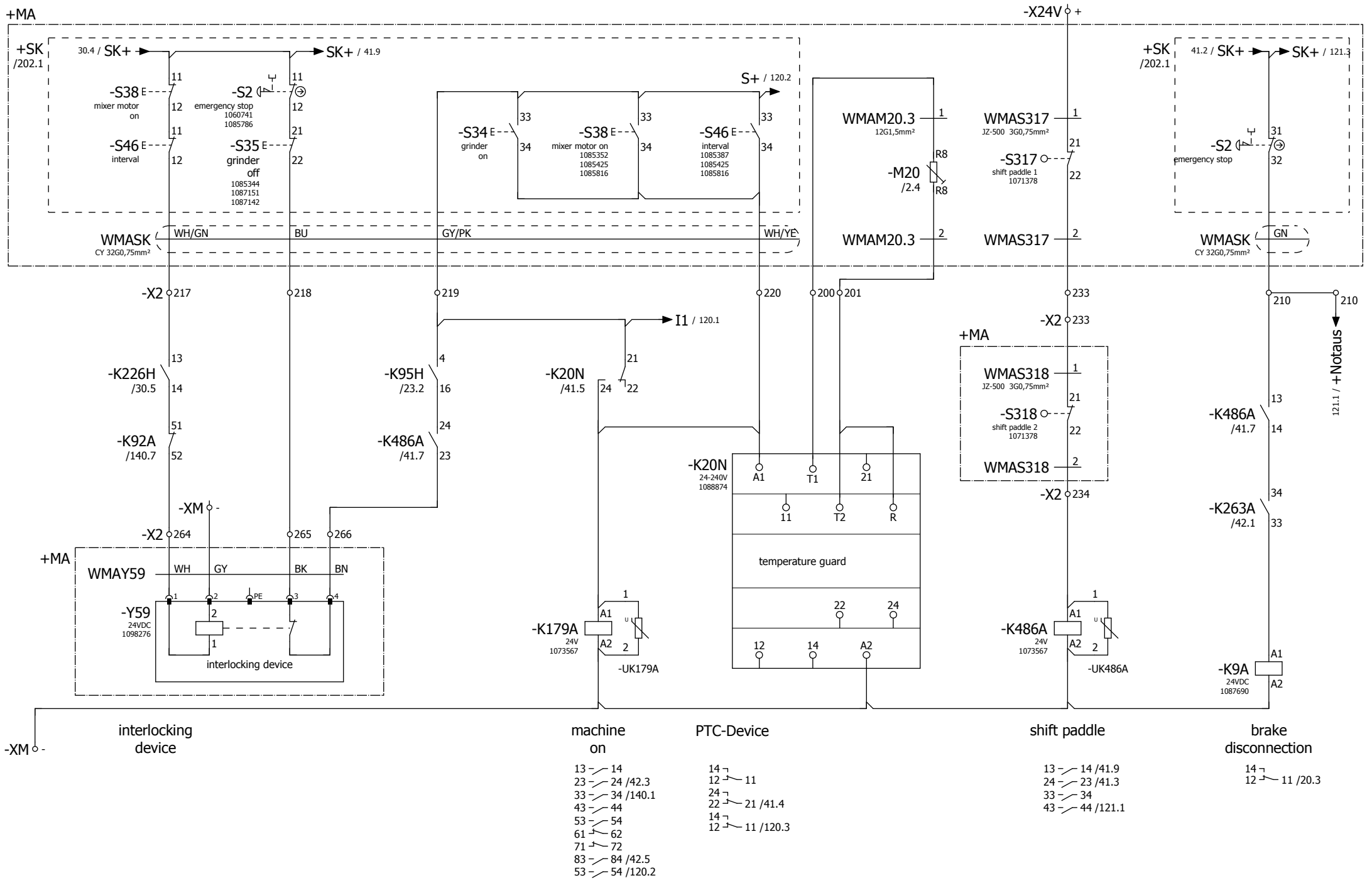
grinder on

still standing guard

13 – 14
23 – 24 /30.3
13 – 14 /41.1

stillstand guard

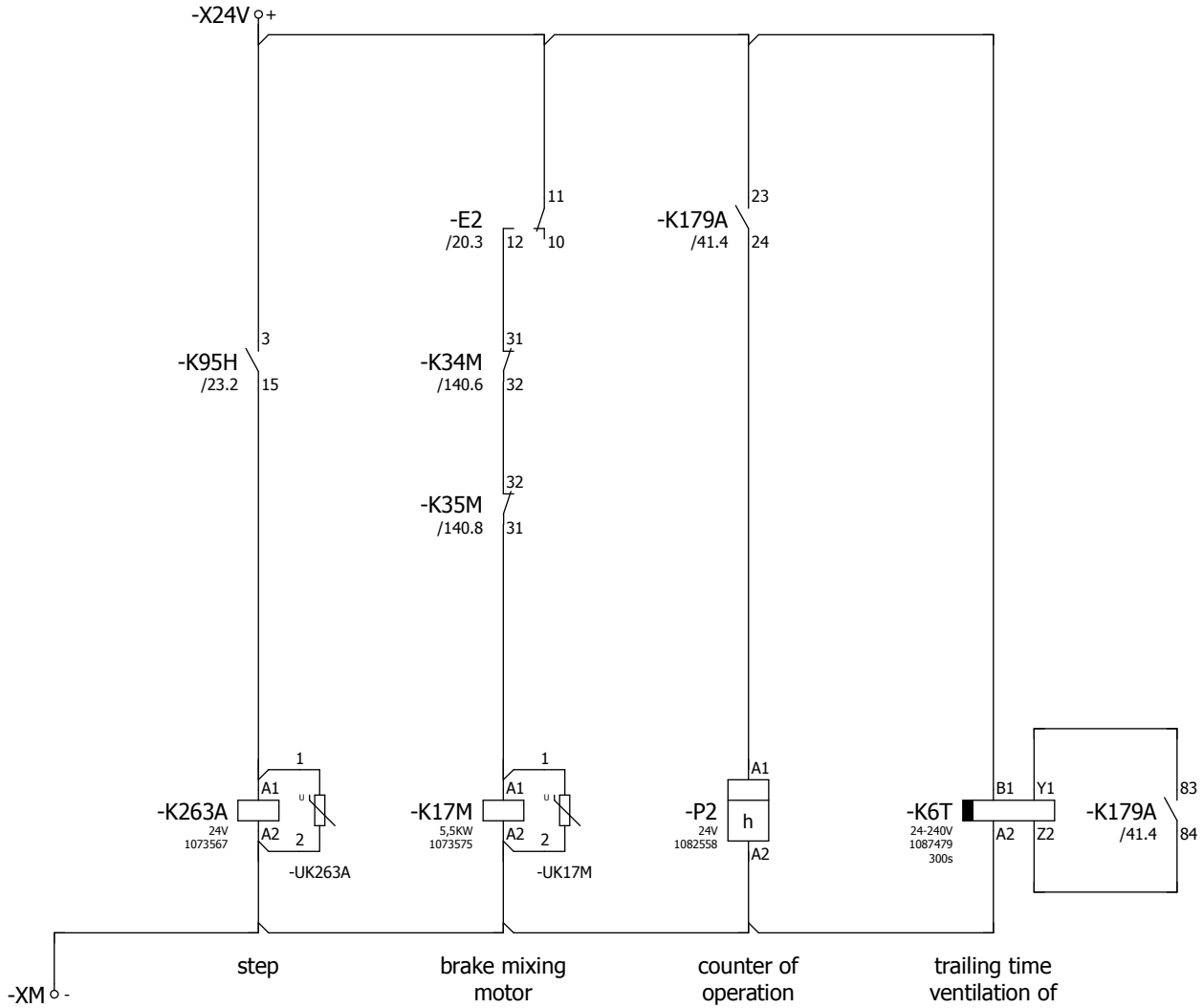
Date : 28.09.2015 agent : last processor : Schercher	MU 200 B	MASCHINENFABRIK Seydelmann	stillstand guard	circuit diagram nr.: 9 90 120006	place: + S plant: = SP	Page: 30



30

42

Date : 27.10.2015 agent : last processor : Schercher	MU 200 B	MASCHINENFABRIK Seydelmann	24V control circuit	circuit diagram nr.: 9 90 120006	place: + S plant: = SP Page: 41



Date : 27.10.2015 agent : last processor : Schercher	MU 200 B	MASCHINENFABRIK Seydelmann	24V control circuit	circuit diagram nr.: 9 90 120006	place: + S plant: = SP	Page: 42

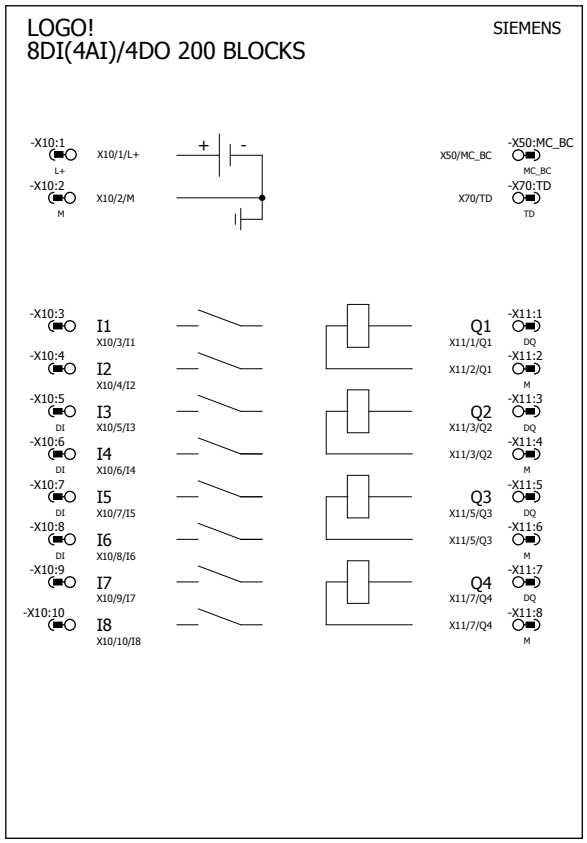
LOGO 24RC



Date : 27.10.2015 agent : last processor : Schercher	MU 200 B	MASCHINENFABRIK Seydelmann	LOGO	circuit diagram nr.: 9 90 120006	place: + S plant: = SP	Page: 100

-D59
/120.1
/140.1
/119.1
24V
101101089

LOGO!
8DI(4AI)/4DO 200 BLOCKS
SIEMENS

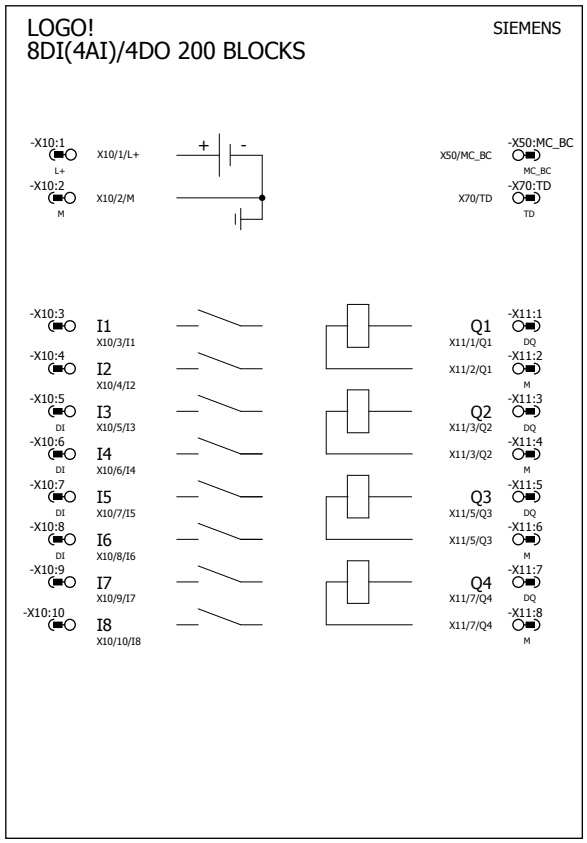


machine off	-K20N:21	/120.1	/140.2	grinder worm 1. speed	
machine on	-K179A:54	/120.2			
thermistor motor for grinder worm		/120.3	/140.4	motor for grinder worm star contactor 2.speed	
mixing motor off	+SK-S35:12	/120.4			
interval	+SK-S46:24	/120.5	/140.6	mixing motor right	
mixer motor on	+SK-S38:24	/120.6			
reserve		/120.7	/140.8	mixing motor left	
reserve		/120.8			

Date : 27.10.2015 agent : last processor : Schercher	MU 200 B	MASCHINENFABRIK Seydelmann	PLC overview DI / DQ	circuit diagram nr.: 9 90 120006	place: + S plant: = SP Page: 102

-D61
/121.1
/141.1
/119.4
24V
101101089

LOGO!
8DI(4AI)/4DO 200 BLOCKS
SIEMENS

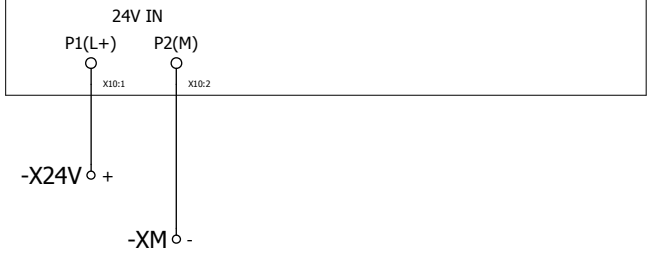


step	-K263A:24	/121.1		/141.2	hydraulik motor
loading device on top	+MA-S26:22	/121.2			
loading device up		/121.3		/141.4	loading device up
loading device down	+SK-S42:24	/121.4			
stop loading device up	+SK-S41:12	/121.5		/141.6	loading device down
stop loading device down	+SK-S42:12	/121.6			
reserve		/121.7		/141.8	reserve ejector
reserve		/121.8			

Date : 27.10.2015 agent : last processor : Schercher	MU 200 B	MASCHINENFABRIK Seydelmann	PLC overview DI / DQ	circuit diagram nr.: 9 90 120006	place: + S plant: = SP	Page: 103

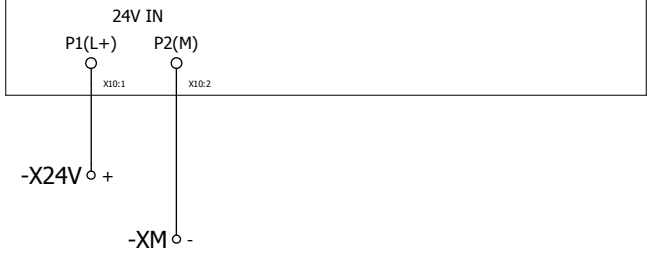
-D59
/102.3

LOGO 24RCE
6ED1052-1HB00-0BA8

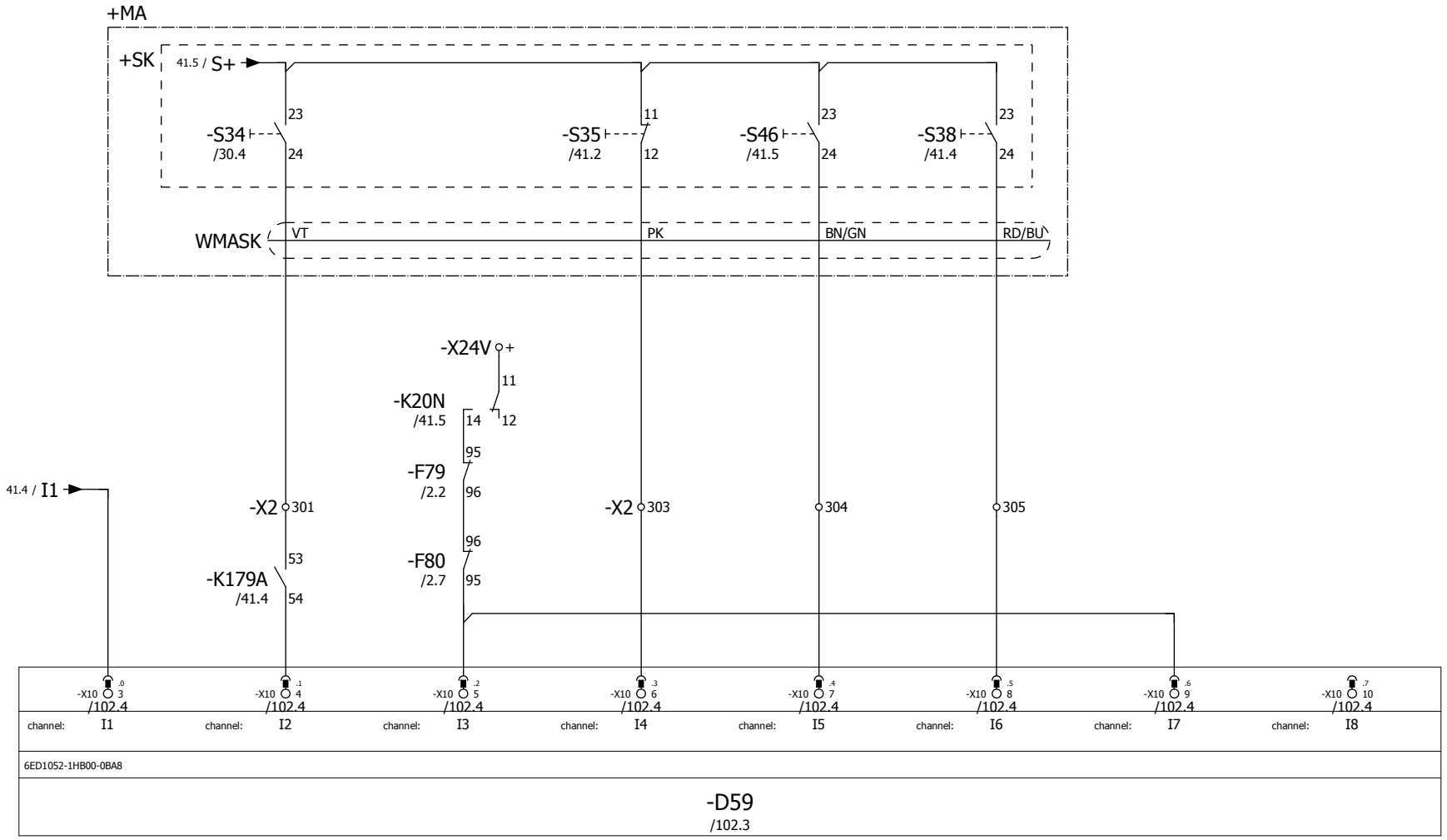


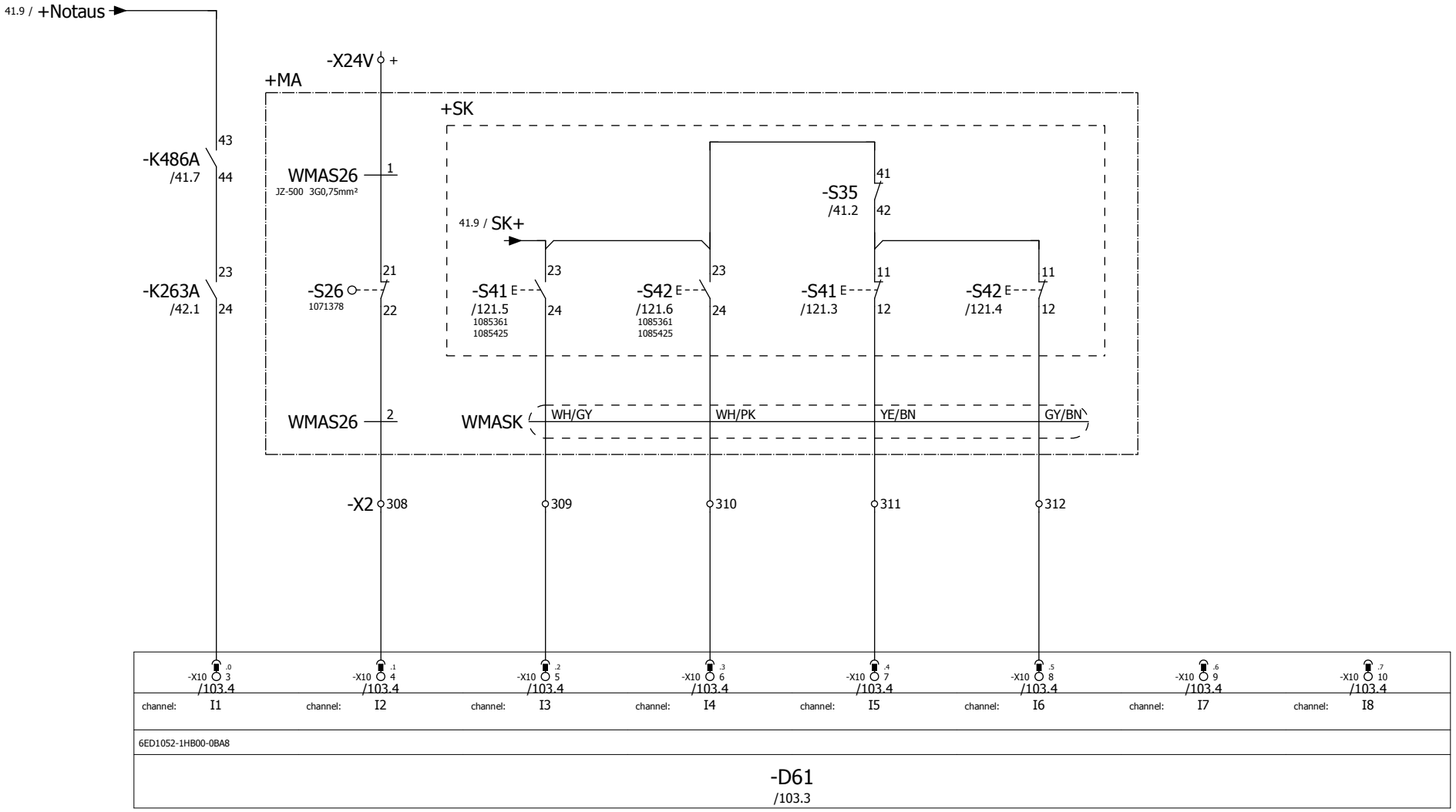
-D61
/103.3

LOGO 24RCE
6ED1052-1HB00-0BA8



Date : 27.10.2015 agent : last processor : Schercher	MU 200 B	MASCHINENFABRIK Seydelmann	supply LOGO	circuit diagram nr.: 9 90 120006	place: + S plant: = SP	Page: 119

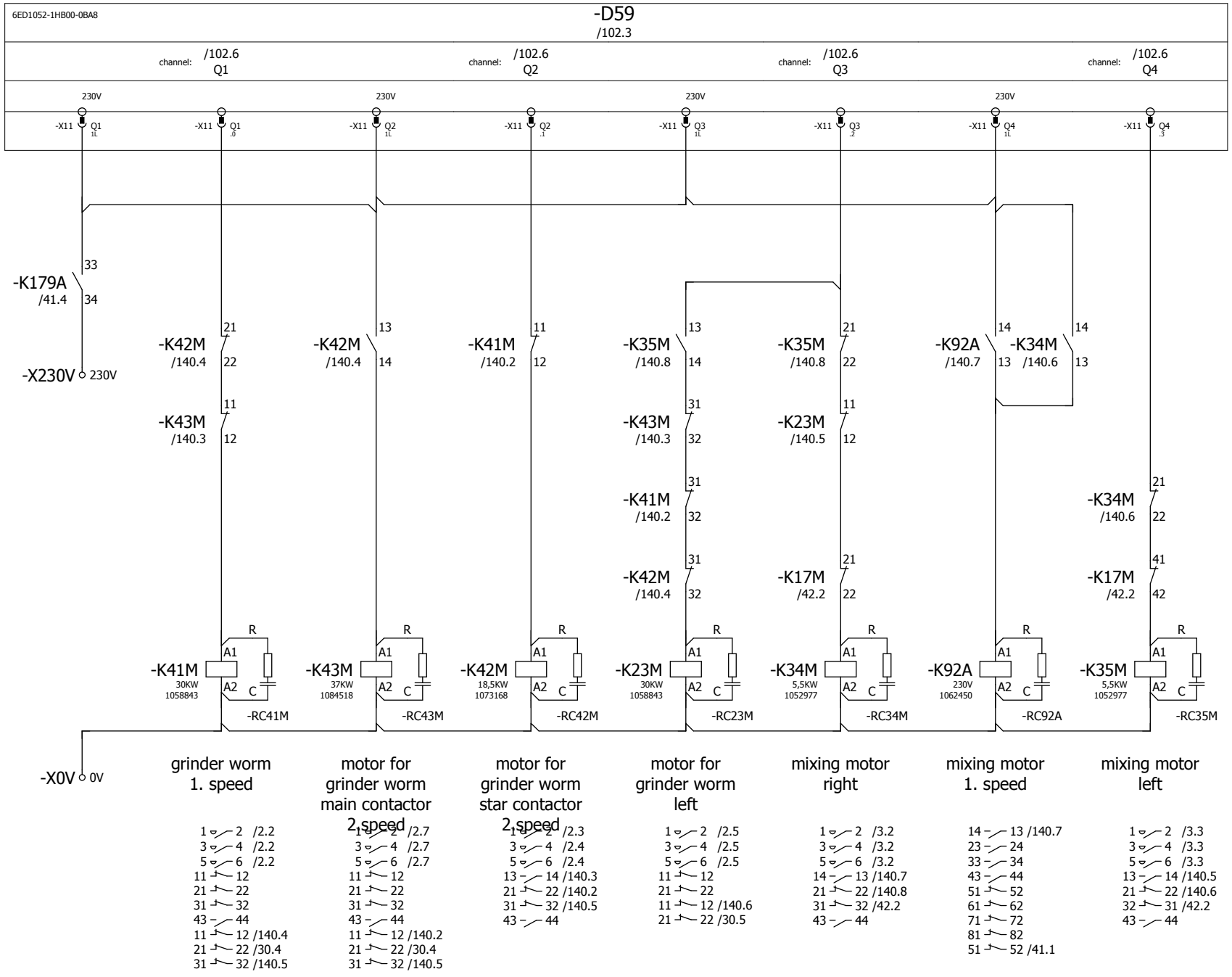

+MA
+SK
41.5 / S+
-S34
/30.4
-S35
/41.2
-S46
/41.5
-S38
/41.4
WMASK
VT
PK
BN/GN
RD/BU
-X24V
-K20N
/41.5
-F79
/2.2
-F80
/2.7
-K179A
/41.4
41.4 / I1
-X2
301
303
304
305
-X10
/102.4
channel:
I1
I2
I3
I4
I5
I6
I7
I8
6ED1052-1HB00-0BA8
-D59
/102.3
machine off
machine on
thermistor motor for grinder worm
mixing motor off
interval
mixer motor on
reserve
reserve



step	loading device on top	loading device up	loading device down	stop loading device up	stop loading device down	reserve	reserve

120 140

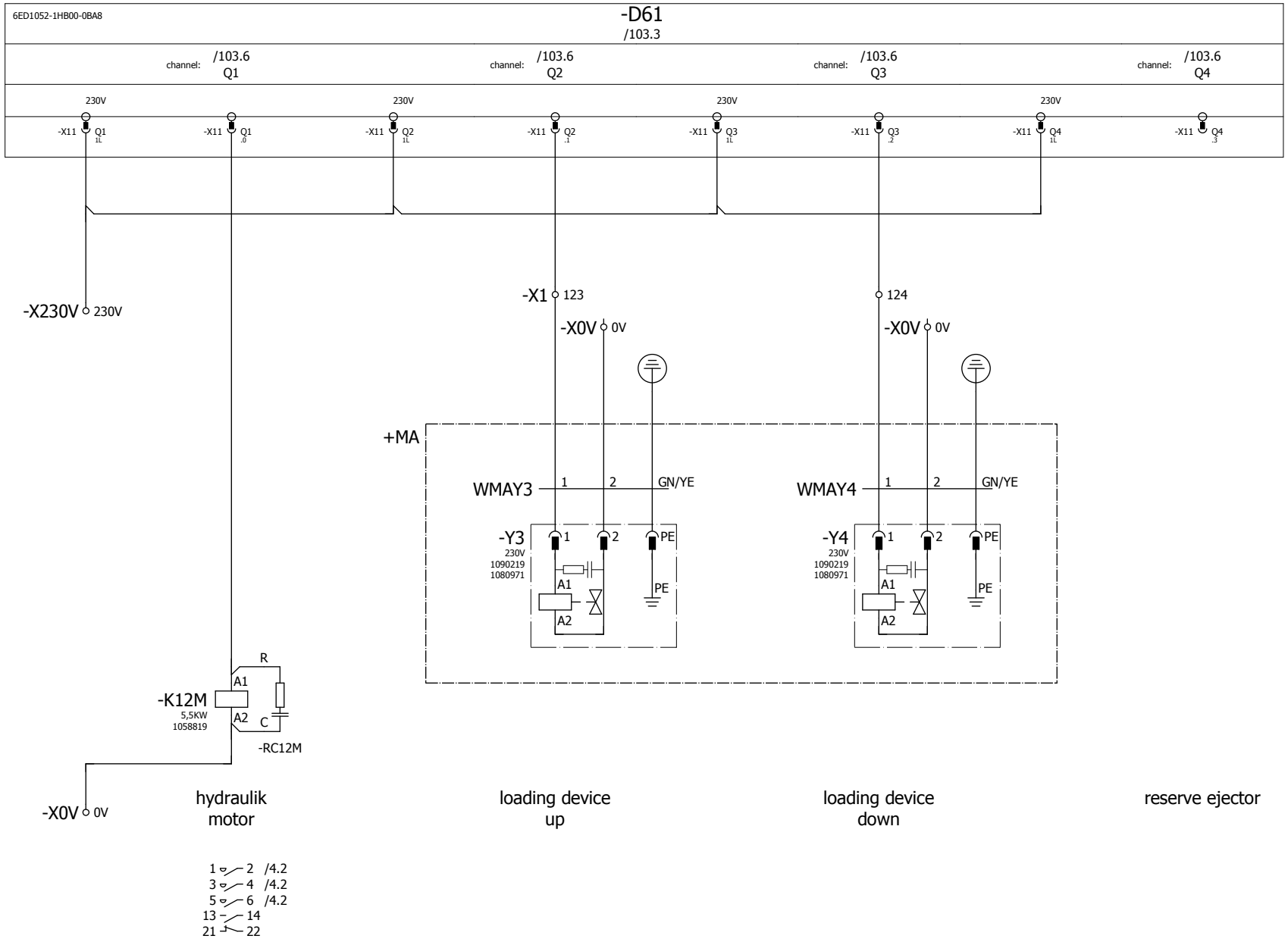
Date : 27.10.2015 agent : last processor : Schercher	MU 200 B	MASCHINENFABRIK Seydelmann	inputs	circuit diagram nr.: 9 90 120006	place: + S plant: = SP	Page: 121



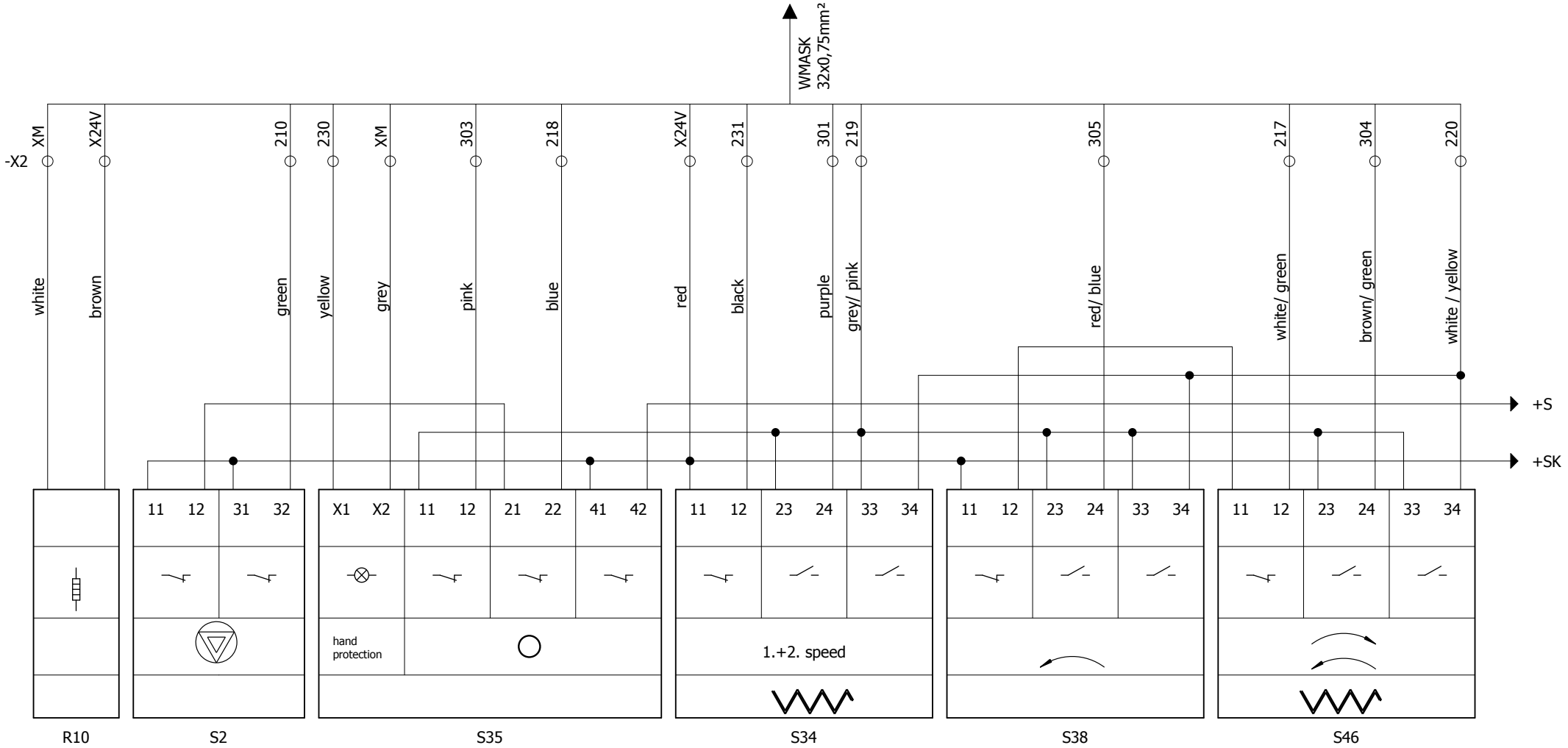
121

141

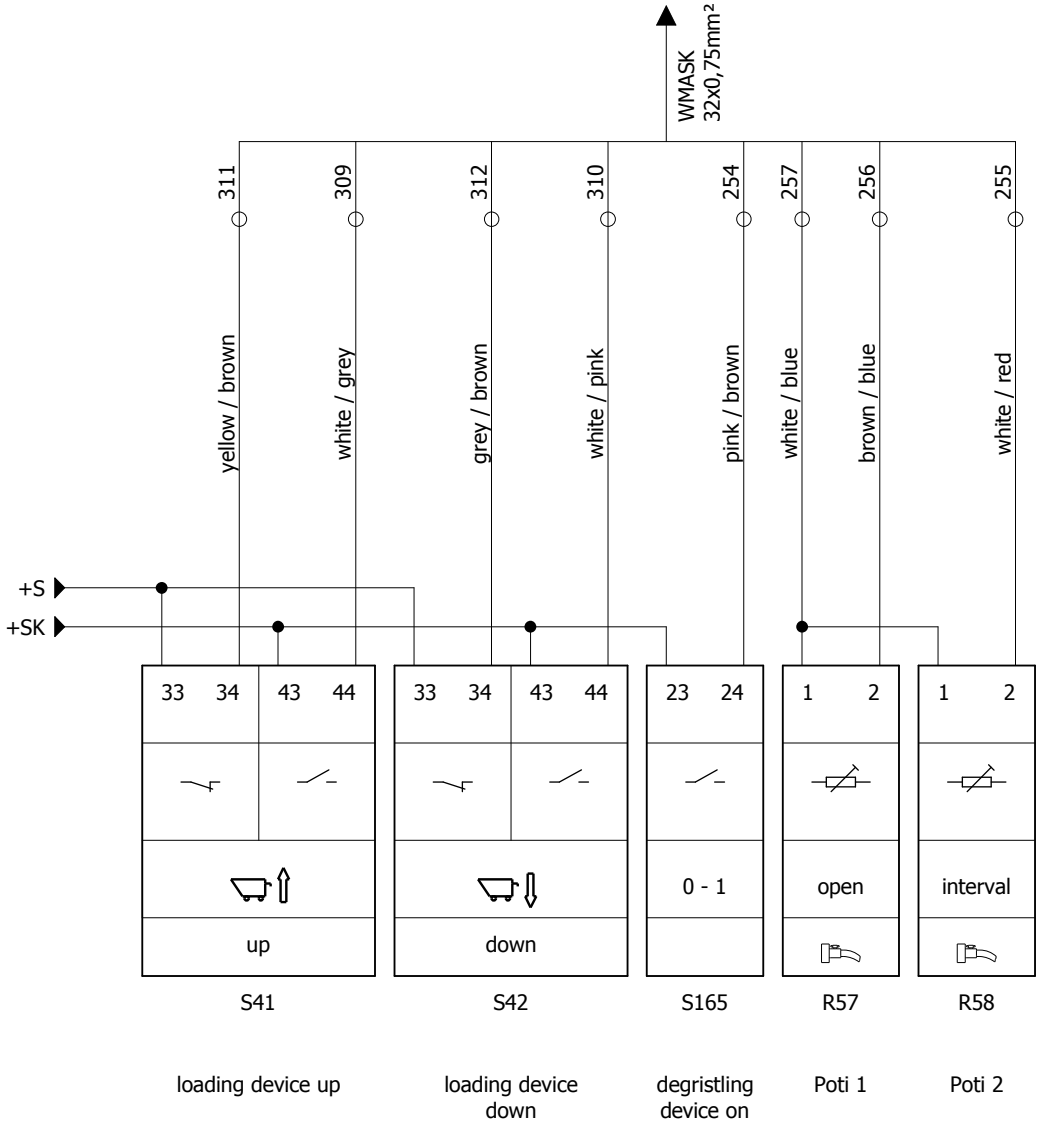
Date : 27.10.2015 agent : last processor : Schercher	MU 200 B	MASCHINENFABRIK Seydelmann	outputs	circuit diagram nr.: 9 90 120006	place: + S plant: = SP	Page: 140



Date : 28.09.2015 agent : last processor : Schercher	MU 200 B	MASCHINENFABRIK Seydelmann	outputs	circuit diagram nr.: 9 90 120006	place: + S plant: = SP	Page: 141

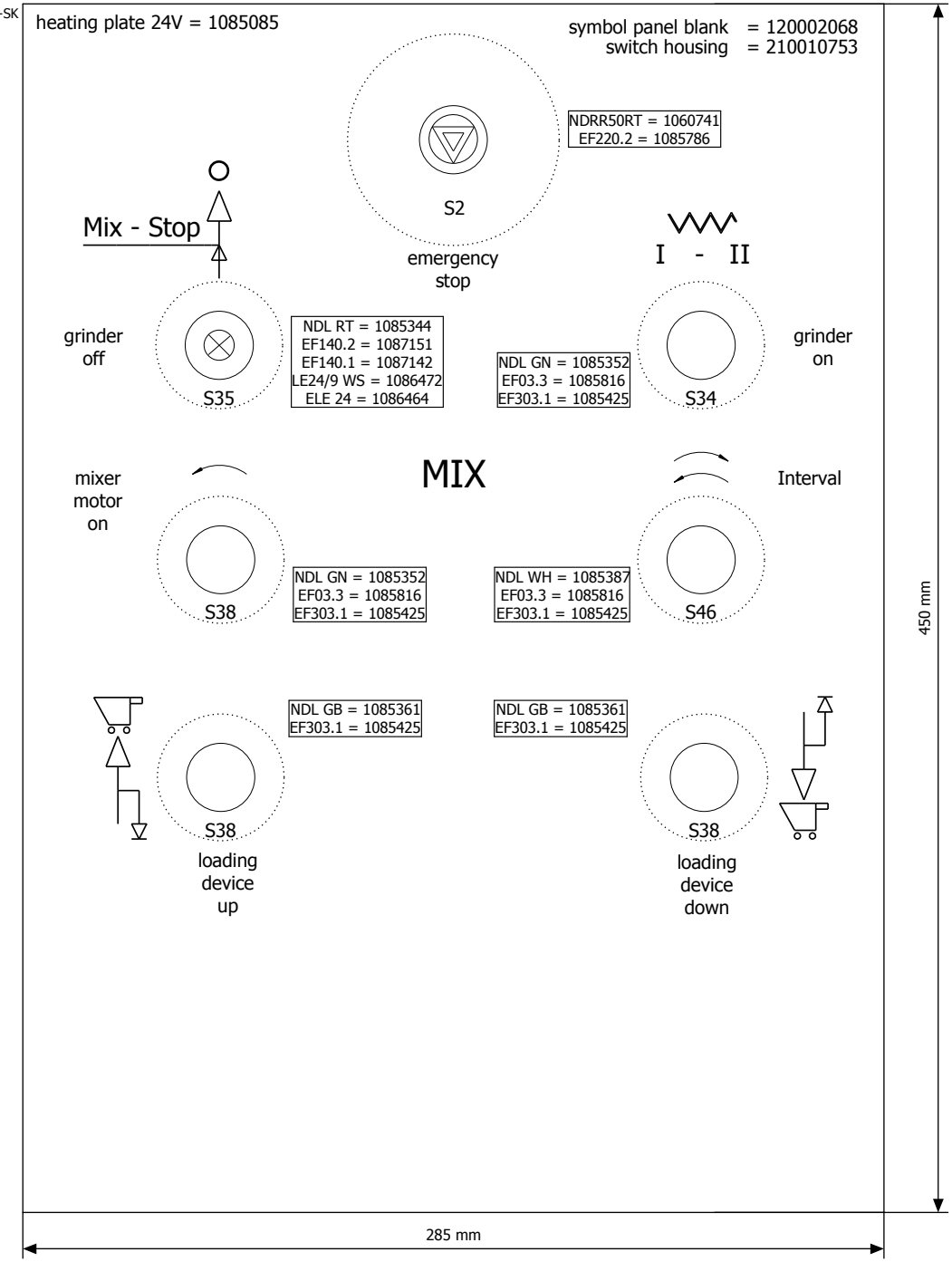


Date : 27.10.2015 agent : last processor : Schercher	MU 200 B	MASCHINENFABRIK Seydelmann	switch housing	circuit diagram nr.: 9 90 120006	place: + S plant: = SP Page: 200



Date : 08.05.2013 agent : last processor : Schercher	MU 200 B	MASCHINENFABRIK Seydelmann	switch housing	circuit diagram nr.: 9 90 120006	place: + S plant: = SP Page: 201

+SK



VEMAG Australia Pty. Ltd

15 210-1

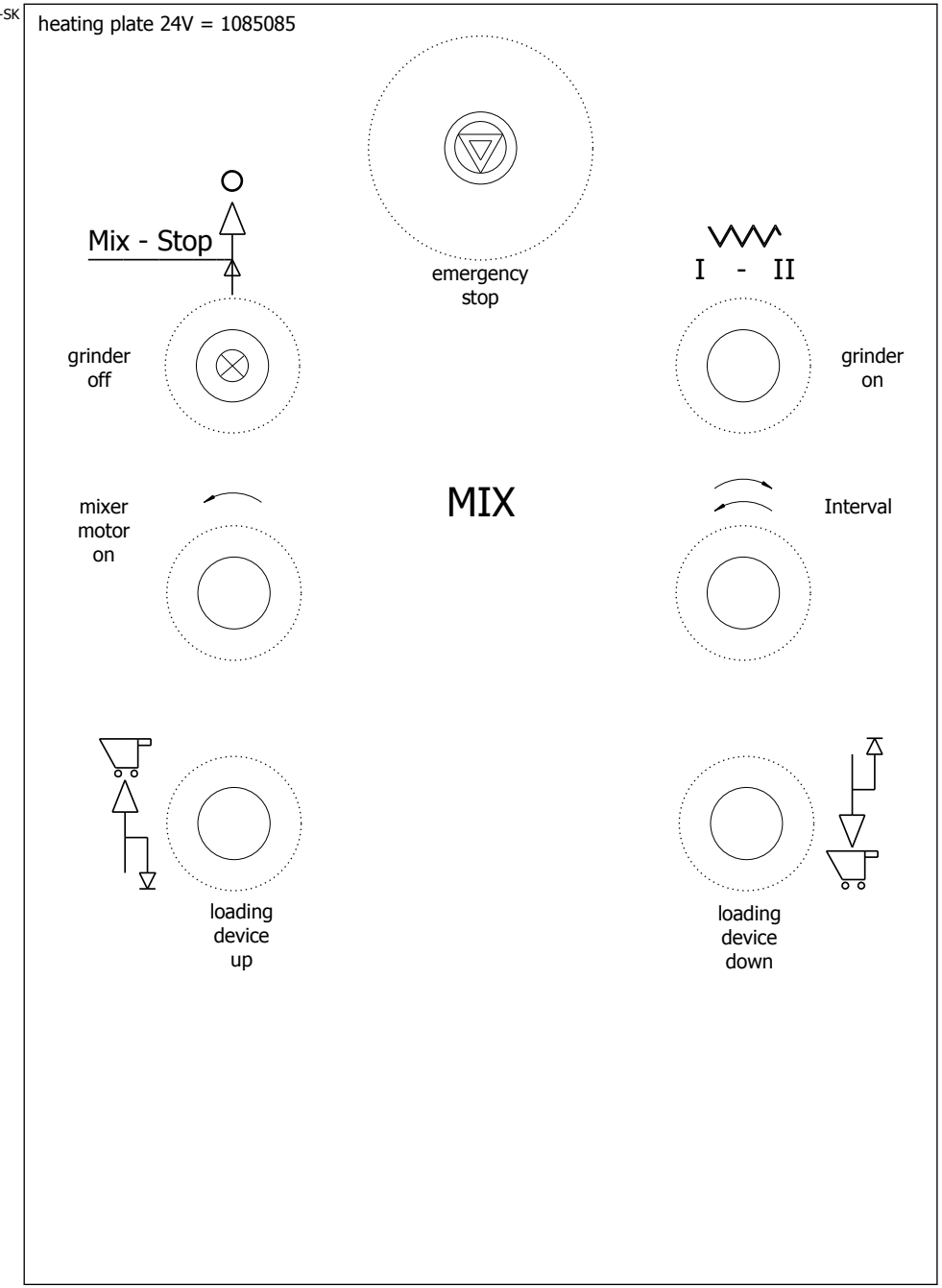
MU 200 B

201

202a

Date : 27.10.2015 agent : last processor : Schercher	MU 200 B	MASCHINENFABRIK Seydelmann	symbol panel	circuit diagram nr.: 9 90 120006	place: + S plant: = SP	Page: 202

+SK



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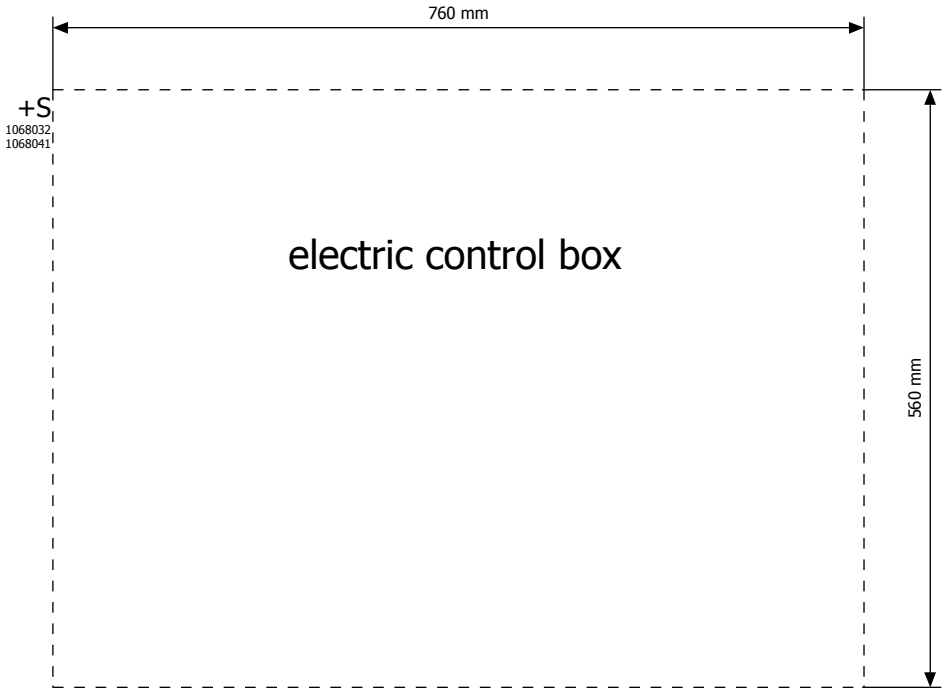
15 210-1

MU 200 B

202

300

Date : 27.10.2015 agent : last processor : Schercher	MU 200 B	MASCHINENFABRIK Seydelmann	symbol panel	circuit diagram nr.: 9 90 120006	place: + S plant: = SP	Page: 202a



Date : 11.04.2014 agent : last processor : Schercher	MU 200 B	MASCHINENFABRIK Seydelmann	empty box	circuit diagram nr.: 9 90 120006	place: + S plant: = SP	Page: 300

terminal diagram

machine-nr.: 15 210-1

Seydelmann_Klemmenplan

function text					WMAM6 hydraulik motor 4G1,5mm²	WMAM21 feeding motor	WMAM20.2 grinder worm 2. speed 5G16mm²	WMAM20.1 grinder worm 1. speed 5G16mm²	wire name	ledge =SP+S-X1M motors terminal inside control cabinet destination	connection	terminal	bridge	destination	connection	wire name						page/slot
grinder worm 1. speed								1		+MA-M20	U1	1	'	-F79	2							/2.2
=								2		+MA-M20	V1	2	'	-F79	4							/2.2
=								3		+MA-M20	W1	3	'	-F79	6							/2.2
grinder worm 2. speed							1			+MA-M20	U2	4	'	-F80	2							/2.7
=							2			+MA-M20	V2	5	'	-F80	4							/2.7
=							3			+MA-M20	W2	6	'	-F80	6							/2.7
feeding motor						1				+MA-M21	U	7	'	-K34M	2							/3.2
=						2				+MA-M21	V	8	'	-K34M	4							/3.2
=						3				+MA-M21	W	9	'	-K34M	6							/3.2
hydraulik motor					1					+MA-M6	U1	34	'	-K12M	2							/4.2
=					2					+MA-M6	V1	35	'	-K12M	4							/4.2
=					3					+MA-M6	W1	36	'	-K12M	6							/4.2
=					GN/YE					+MA-M6	PE	PE	'									/4.2

Date : 27.10.2015 agent : last processor : Schercher	MU 200 B	MASCHINENFABRIK Seydelmann	terminal diagram =SP+S-X1M	circuit diagram nr.: 9 90 120006	place: + KLE plant: = SP	Page: 1

terminal diagram

machine-nr.: 15 210-1

Seydelmann_Klemmenplan

function text						WMAY4 loading device down 3G0,75mm²	WMAY3 loading device up 3G0,75mm²	WMAM8 vantilation of frame 3G1,5mm²	wire name	ledge =SP+S-X0V 0V terminal inside control cabinet destination	connection	terminal	bridge	destination	connection	wire name					page/slot
												0V									/15.1
												0V		-T1	0V						/15.2
												0V		-T22	N-L						/15.6
brake device												0V		-E2	N						/20.6
vantilation of frame								2		+MA-M8	2	0V									/22.2
												0V		-K41M	A2						/140.1
												0V		-K12M	A2						/141.1
loading device up							2			+MA-Y3	2	0V									/141.4
loading device down						2				+MA-Y4	2	0V									/141.6
												TR1									/15.1

1 3

Date : 27.10.2015 agent : last processor : Schercher	MU 200 B	MASCHINENFABRIK Seydelmann	terminal diagram =SP+S-X0V	circuit diagram nr.: 9 90 120006	place: + KLE plant: = SP	Page: 2

terminal diagram

machine-nr.: 15 210-1

Seydelmann_Klemmenplan

function text									wire name	ledge =SP+S-X230V 230V terminal inside control cabinet destination	connection	terminal	bridge	destination	connection	wire name						page/slot
												230V		-F9	2							/15.3
												230V		-T22	L-L							/15.6
brake device												230V		-E2	L1							/20.7
vantilation of frame												230V		-K6T	15							/22.2
												230V		-K179A	34							/140.1
												230V		-D61	-X11:Q1							/141.1

Date : 27.10.2015 agent : last processor : Schercher	MU 200 B	MASCHINENFABRIK Seydelmann	terminal diagram =SP+S-X230V	circuit diagram nr.: 9 90 120006	place: + KLE plant: = SP	Page: 3

terminal diagram

machine-nr.: 15 210-1

Seydelmann_Klemmenplan

function text						WMAY4 loading device down 3G0,75mm²	WMAY3 loading device up 3G0,75mm²	WMAM8 vantilation of frame 3G1,5mm²	wire name	ledge =SP+S-X1 control 230V terminal inside control cabinet destination	connection	terminal	bridge	destination	connection	wire name						page/slot
vantilation of frame								1		+MA-M8	1	109	'	-K6T	18							/22.2
loading device up							1			+MA-Y3	1	123	'	-D61	-X11:Q2							/141.4
loading device down						1				+MA-Y4	1	124	'	-D61	-X11:Q3							/141.6

Date : 27.10.2015 agent : last processor : Schercher	MU 200 B	MASCHINENFABRIK Seydelmann	terminal diagram =SP+S-X1	circuit diagram nr.: 9 90 120006	place: + KLE plant: = SP	Page: 4

terminal diagram

machine-nr.: 15 210-1

Seydelmann_Klemmenplan

function text						WMAY59 interlocking device Konfektioniert	WMAS204 stillstand guard Konfektioniert	WMASK cable switch housing 1 CY 32G0,75mm²	wire name	ledge =SP+S-XM ground terminal inside control cabinet destination	connection	terminal	bridge	destination	connection	wire name					page/slot
												-									/15.6
												-		-T22	-						/15.6
step												-									/23.3
												-		-K226H	A2						/30.0
heating plate in the switch housing								WH		+SK-R10		-									/30.2
signal for hand protection								GY		+SK-S35	X2	-									/30.3
stillstand guard							BU			+MA-S204		-									/30.7
												-		-K179A	A2						/41.0
interlocking device						GY				+MA-Y59	2	-									/41.1
												-		-K263A	A2						/42.0
												-		-D59	P2(M)						/119.2
												-		-D61	P2(M)						/119.5

Date : 27.10.2015 agent : last processor : Schercher	MU 200 B	MASCHINENFABRIK Seydelmann	terminal diagram =SP+S-XM	circuit diagram nr.: 9 90 120006	place: + KLE plant: = SP	Page: 5

terminal diagram

machine-nr.: 15 210-1

Seydelmann_Klemmenplan

function text					WMAS26 loading device on top 3G0,75mm²	WMAS317 safety switch 1 3 G 0,75mm²	WMAS204 stillstand guard Konfektioniert	WMASK cable switch housing 1 CY 32G0,75mm²	wire name	ledge =SP+S-X24V 24V terminal inside control cabinet destination	connection	terminal	bridge	destination	connection	wire name					page/slot
												+		-T22	+						/15.6
step												+									/23.2
												+		-K263A	14						/30.0
heating plate in the switch housing								BN		+SK-R10		+									/30.2
grinder on								RD		+SK-S34	11	+									/30.4
stillstand guard							BN			+MA-S204		+									/30.8
shift paddle						1				+MA-S317	21	+									/41.7
step												+		-K95H	3						/42.1
												+		-D59	P1(L+)						/119.1
												+		-D61	P1(L+)						/119.4
thermistor motor for grinder worm												+		-K20N	11						/120.3
loading device on top					1					+MA-S26	21	+									/121.2

Date : 27.10.2015 agent : last processor : Schercher	MU 200 B	MASCHINENFABRIK Seydelmann	terminal diagram =SP+S-X24V	circuit diagram nr.: 9 90 120006	place: + KLE plant: = SP	Page: 6

terminal diagram

machine-nr.: 15 210-1

Seydelmann_Klemmenplan

function text	WMAS26 loading device on top 3G0,75mm²	WMAY59 interlocking device Konfektioniert	WMAS318 safety switch 2 3 G 0,75mm²	WMAS317 safety switch 1 3 G 0,75mm²	WMAS204 stillstand guard Konfektioniert	WMAS49 step Konfektioniert	WMASK cable switch housing 1 CY 32G0,75mm²	WMAM20.3 PTC device grinder 12G1,5mm²	wire name	ledge =SP+S-X2 control 230V terminal inside control cabinet destination	connection	terminal	bridge	destination	connection	wire name	page/slot
PTC-Device								1		+MA-M20	R8	200	'	-K20N	T1		/41.5
=								2		+MA-M20	R8	201	'	-K20N	T2		/41.6
brake disconnection							GN			+SK-S2	32	210		-K486A	13		/41.9
=												210		-K486A	43		/41.9
safety sensor						GN				+MA-S49		212	'				/23.4
=						YE				+MA-S49		213	'				/23.4
=						BN				+MA-S49		214	'				/23.5
=						WH				+MA-S49		215	'				/23.5
stillstand guard					BK					+MA-S204		216	'	-K226H	X2		/30.8
interlocking device							WH/GN			+SK-S46	12	217	'	-K226H	13		/41.1
=							BU			+SK-S35	22	218					/41.2
=							GY/PK			+SK-S34	33	219	'	-K95H	4		/41.3
PTC-Device							WH/YE			+SK-S46	34	220	'	-K20N	A1		/41.5
signal for hand protection							YE			+SK-S35	X1	230	'	-K226H	24		/30.3
grinder on							BK			+SK-S34	12	231	'	-K41M	22		/30.4
shift paddle				2						+MA-S317	22	233					/41.7
=			1							+MA-S318	21	233					/41.7
=			2							+MA-S318	22	234	'	-K486A	A1		/41.7
interlocking device		WH								+MA-Y59	1	264	'	-K92A	52		/41.1
=		BK								+MA-Y59	3	265					/41.2
=		BN								+MA-Y59	4	266	'	-K486A	23		/41.2
machine on							VT			+SK-S34	24	301	'	-K179A	53		/120.2
mixing motor off							PK			+SK-S35	12	303	'	-D59	-X10:6		/120.4
interval							BN/GN			+SK-S46	24	304	'	-D59	-X10:7		/120.5
mixer motor on							RD/BU			+SK-S38	24	305	'	-D59	-X10:8		/120.6
loading device on top	2									+MA-S26	22	308	'	-D61	-X10:4		/121.2
loading device up							WH/GY			+SK-S41	24	309	'	-D61	-X10:5		/121.3
loading device down							WH/PK			+SK-S42	24	310	'	-D61	-X10:6		/121.4
stop loading device up							YE/BN			+SK-S41	12	311	'	-D61	-X10:7		/121.5
stop loading device down							GY/BN			+SK-S42	12	312	'	-D61	-X10:8		/121.6

Date : 27.10.2015 agent : last processor : Schercher	MU 200 B	MASCHINENFABRIK Seydelmann	terminal diagram =SP+S-X2	circuit diagram nr.: 9 90 120006 place: + KLE plant: = SP Page: 7

cable overview

Seydelmann_Kabelübersicht

equipment identifying symbol	cable description	Seydelmann Ident.-Nr	length	function text
+MA-WMAM6	JZ-500 4G1,5mm²	1007017		hydraulik motor
+MA-WMAM8	Classic 110 JZ 3G1,5mm²	1061500		vantilation of frame
+MA-WMAM20.1	JZ-500 5G16mm²	1054431		grinder worm 1. speed
+MA-WMAM20.2	JZ-500 5G16mm²	1054431		grinder worm 2. speed
+MA-WMAM20.3				PTC device grinder
+MA-WMAM21	JZ-500 4G1,5mm²	1007017		feeding motor
+MA-WMAS26	JZ-500 3G0,75mm²	1007203		loading device on top
+MA-WMAS49				step
+MA-WMAS204				stillstand guard
+MA-WMAS317	JZ-500 3G0,75mm²	1007203		safety switch 1
+MA-WMAS318	JZ-500 3G0,75mm²	1007203		safety switch 2
+MA-WMASK	CY 32G0,75mm²	1065211		cable switch housing 1
+MA-WMAY3				loading device up
+MA-WMAY4				loading device down
+MA-WMAY59				interlocking device

Date : 27.10.2015 agent : last processor : Schercher	MU 200 B	MASCHINENFABRIK Seydelmann	cable overview	circuit diagram nr.: 9 90 120006	place: + KAB plant: = SP	Page: 1

part list :

machine-nr.: 15 210-1

1*	indicator	name	typ order number	2*	page / path	3*	setting	producer	function
1	+S	Lower housing part	560x760x150mm	1	+S/300.1	1068032		Fibox	
2	+S	housing cover	560x760x100mm	1	+S/300.1	1068041		Fibox	
3	+S-D59	LOGO 24RCE	6ED1052-1HB00-0BA8	1	+S/102.3	101101089		Siemens	
									24V
4	+S-D61	LOGO 24RCE	6ED1052-1HB00-0BA8	1	+S/103.3	101101089		Siemens	
									24V
5	+S-E2	brake device	BG 40/V3/SE400/230	1	+S/20.3	1093100	3,3A	Tele	brake device for feeding motor
									40A
6	+S-F9	fuse	5SY4102-7 C2A 1pol	1	+S/15.3	1082507		Siemens	230V secondary fuse
									C2A
7	+S-F79	electronic overload relay	3RB2046-2EB0 25-100A	1	+S/2.2	1084283	58A	Siemens	motor protection 2.speed
									25-100A
8	+S-F80	electronic overload relay	3RB2046-2EB0 25-100A	1	+S/2.7	1084283	67A	Siemens	=
									25-100A

*1 position | *2 count | *3 Seydelmann Ident.-Nr.

Date : 27.10.2015

agent :

last processor : Schercher

MU 200 B

MASCHINENFABRIK Seydelmann

part list

circuit diagram nr.: 9 90 120006

place: + STUE

plant: = SP

Page: 1

part list :

machine-nr.: 15 210-1

1*	indicator	name	typ order number	2*	page / path	3*	setting	producer	function
9	+S-K6T	time relay	RE7-RM11BU	1	+S/42.5	1087479	300s	Telemecanique	trailing time ventilation of frame
									24-240V
10	+S-K9A	relay 38,	38.51.7.024.005	1	+S/41.9	1087690		Finder	brake disconnection
									24VDC
11	+S-K12M	power contactor	3RT2024-1AP00	1	+S/141.2	1058819		Siemens	hydraulik motor
									5,5KW
12	+S-K12M	overvoltage limiter	3RT2926-1CD00	1	+S/141.2	1084194		Siemens	=
									5,5KW
13	+S-K17M	power contactor	3RT2024-1BB40	1	+S/42.2	1073575		Siemens	brake mixing motor
									5,5KW
14	+S-K17M	auxiliary switch	3RH2911-1FA04	1	+S/42.2	1084330		Siemens	=
									5,5KW
15	+S-K17M	overvoltage limiter	3RT2926-1BB00	1	+S/42.2	1097334		Siemens	=
									5,5KW
16	+S-K20N	PTC-Device	G2TF02	1	+S/41.5	1088874		Tele	PTC-Device
									24-240V

*1	position	*2	count	*3	Seydelmann Ident.-Nr.

part list :

machine-nr.: 15 210-1

1*	indicator	name	typ order number	2*	page / path	3*	setting	producer	function
17	+S-K23M	power contactor	3RT1044-1AL20	1	+S/140.5	1058843		Siemens	motor for grinder worm left
									30KW
18	+S-K23M	auxiliary switch	3RH1921-1CA01	2	+S/140.5	1084101		Siemens	=
									30KW
19	+S-K23M	overvoltage limiter	3RT1936-1CD00	1	+S/140.5	1084674		Siemens	=
									30KW
20	+S-K34M	power contactor	3RT2024-1AP04	1	+S/140.6	1052977		Siemens	mixing motor right
									5,5KW
21	+S-K34M	overvoltage limiter	3RT2926-1CD00	1	+S/140.6	1084194		Siemens	=
									5,5KW
22	+S-K35M	power contactor	3RT2024-1AP04	1	+S/140.8	1052977		Siemens	mixing motor left
									5,5KW
23	+S-K35M	overvoltage limiter	3RT2926-1CD00	1	+S/140.8	1084194		Siemens	=
									5,5KW
24	+S-K41M	power contactor	3RT1044-1AL20	1	+S/140.2	1058843		Siemens	grinder worm 1. speed
									30KW

*1	position
*2	count
*3	Seydelmann Ident.-Nr.

part list :

machine-nr.: 15 210-1

1*	indicator	name	typ order number	2*	page / path	3*	setting	producer	function
25	+S-K41M	auxiliary switch	3RH1921-1CA01	3	+S/140.2	1084101		Siemens	grinder worm 1. speed
									30KW
26	+S-K41M	auxiliary switch	3RH1921-1CA10	1	+S/140.2	1084097		Siemens	=
									30KW
27	+S-K41M	overvoltage limiter	3RT1936-1CD00	1	+S/140.2	1084674		Siemens	=
									30KW
28	+S-K42M	power contactor	3RT2028-1AP04	1	+S/140.4	1073168		Siemens	motor for grinder worm star contactor 2.speed
									18,5KW
29	+S-K42M	overvoltage limiter	3RT2926-1CD00	1	+S/140.4	1084194		Siemens	=
									18,5KW
30	+S-K43M	power contactor	3RT1045-1AL20	1	+S/140.3	1084518		Siemens	motor for grinder worm main contactor 2.speed
									37KW
31	+S-K43M	auxiliary switch	3RH1921-1CA01	3	+S/140.3	1084101		Siemens	=
									37KW
32	+S-K43M	auxiliary switch	3RH1921-1CA10	1	+S/140.3	1084097		Siemens	=
									37KW

*1	position	*2	count	*3	Seydelmann Ident.-Nr.

part list :

machine-nr.: 15 210-1

1*	indicator	name	typ order number	2*	page / path	3*	setting	producer	function
33	+S-K43M	overvoltage limiter	3RT1936-1CD00	1	+S/140.3	1084674		Siemens	motor for grinder worm main contactor 2.speed 37KW
34	+S-K92A	auxiliary contactor	3RH2140-1AP00	1	+S/140.7	1062450		Siemens	mixing motor 1. speed 230V
35	+S-K92A	overvoltage limiter	3RT2916-1CD00	1	+S/140.7	1084216		Siemens	= 230V
36	+S-K92A	auxiliary switch	3RH2911-1FA04	1	+S/140.7	1084330		Siemens	= 230V
37	+S-K95H	safety evaluation unit	470 121 B1	1	+S/23.2	101101576		Elobau	step 24VDC
38	+S-K179A	auxiliary contactor	3RH2140-1BB40	1	+S/41.4	1073567		Siemens	machine on 24V
39	+S-K179A	overvoltage limiter	3RT2916-1BB00	1	+S/41.4	1097326		Siemens	= 24V
40	+S-K179A	auxiliary switch	3RH2911-1FA22	1	+S/41.4	1084321		Siemens	= 24V

*1	position
*2	count
*3	Seydelmann Ident.-Nr.

part list :

machine-nr.: 15 210-1

1*	indicator	name	typ order number	2*	page / path	3*	setting	producer	function
41	+S-K226H	still standing guard	FWS 1206 C	1	+S/30.5	1076655		Schmersal	stillstand guard
									24V
42	+S-K263A	auxiliary contactor	3RH2140-1BB40	1	+S/42.1	1073567		Siemens	step
									24V
43	+S-K263A	overvoltage limiter	3RT2916-1BB00	1	+S/42.1	1097326		Siemens	=
									24V
44	+S-K486A	auxiliary contactor	3RH2140-1BB40	1	+S/41.7	1073567		Siemens	shift paddle
									24V
45	+S-K486A	overvoltage limiter	3RT2916-1BB00	1	+S/41.7	1097326		Siemens	=
									24V
46	+S-P2	counter of operation hours	666.6	1	+S/42.3	1082558		Bauser	counter of operation hours
									24V
47	+S-Q1	switch disconnector fuse	PN1-160 63-160A	1	+S/1.1	1093266		Eaton	main switch
									63-160A
48	+S-Q6	circuit breaker	3RV2021-1FA10	1	+S/4.2	1084798	3,5A	Siemens	motor protection hydraulik
									3,5-5A

*1	position
*2	count
*3	Seydelmann Ident.-Nr.

part list :

machine-nr.: 15 210-1

1*	indicator	name	typ order number	2*	page / path	3*	setting	producer	function
49	+S-Q9	circuit breaker	3RV2021-1EA10	1	+S/3.2	1068717	3,35A	Siemens	power supply protective
									2,8-4A
50	+S-Q26	circuit breaker	3RV2411-1AA10	1	+S/15.2	1095315	1,4A	Siemens	transformer protective
									1,1-1,6A
51	+S-T1	transformer	RSTN 500	1	+S/15.2	1005910		Riedel	230V transformer
									500VA
52	+S-T22	power supply	REP2-2405	1	+S/15.6	101101175	SELECT INPUT: AC230V	Riedel	24V power supply
									5A
53	+MA-M6	hydraulik motor	1LA9096-4KA16	1	+S/4.2	1049909		Siemens	hydraulik motor
									1,5kW 400V 50Hz
54	+MA-M8	fan with cable	RG 160-28/56S	1	+S/22.2	210008346		Seydelmann	vantilation of frame
									230V
55	+MA-M20	AC-motor	200L 8/4C-21	1	+S/2.4	1047689		ATB	motor for grinder worm
									37KW 400V DR/YY 50Hz
56	+MA-M21	gear motor	ZF48-M90L4	1	+S/3.2	1081993		Siemens	mixing motor
									1,5kW 400V 50Hz

*1	position
*2	count
*3	Seydelmann Ident.-Nr.

part list :

machine-nr.: 15 210-1

1*	indicator	name	typ order number	2*	page / path	3*	setting	producer	function
57	+MA-S26	limit switch	ZR336-11Z-RMS	1	+S/121.2	1071378		Schmersal	loading device on top
									-
58	+MA-S49	maschine protect switch	Typ 122270-7	1	+S/23.4	1062671		Elobau	step
59	+MA-S49	magnet	30078 MG 78	1	+S/23.4	1031350		Elobau	=
60	+MA-S204	sensor	BES M18MI POC50B-BV05	1	+S/30.7	1067036		Balluff	stillstand guard
61	+MA-S317	limit switch	ZR336-11Z-RMS	1	+S/41.7	1071378		Schmersal	shift paddle 1
62	+MA-S318	limit switch	ZR336-11Z-RMS	1	+S/41.7	1071378		Schmersal	shift paddle 2
63	+MA-Y3	magnetic inductor	AK-D1VWCTW91	1	+S/141.4	1090219		Harms	loading device up
									230V
64	+MA-Y3	plug	made-up	1	+S/141.4	1080971		Fluid Concept	=
									230V

*1	position
*2	count
*3	Seydelmann Ident.-Nr.

part list :

machine-nr.: 15 210-1

1*	indicator	name	typ order number	2*	page / path	3*	setting	producer	function
65	+MA-Y4	magnetic inductor	AK-D1VWCTW91	1	+S/141.6	1090219		Harms	loading device down
									230V
66	+MA-Y4	plug	made-up	1	+S/141.6	1080971		Fluid Concept	=
									230V
67	+MA-Y59	interlocking device	GHUZ050K43D03	1	+S/41.1	1098276		Magnet-Schulz	interlocking device
									24VDC
68	+SK	empty enclosure switch housing	259x400x112mm	1	+S/202.1	2084490		Oberdörfer	
									-
69	+SK-R10	heating plate	Typ 27-0102-130100SE 10W	1	+S/30.2	1085085		Bartec	heating plate in the switch housing
									24VDC 10W
70	+SK-S2	emergency stop push-button	NDRZ50BL/RT	1	+S/41.2	1060741		Elan	emergency stop
									2Öffner
71	+SK-S2	contact element	EF 220.2 2opener	1	+S/41.2	1085786		Elan	=
									2Öffner
72	+SK-S34	lighted button	NDLBL/GN	1	+S/30.4	1085352		Elan	grinder on
									NDL GN

*1	position	*2	count	*3	Seydelmann Ident.-Nr.

part list :

machine-nr.: 15 210-1

1*	indicator	name	typ order number	2*	page / path	3*	setting	producer	function
73	+SK-S34	contact element	EF 303.1 1opener/1closer	1	+S/30.4	1085425		Elan	grinder on
									NDL GN
74	+SK-S34	contact element	EF 03.3 1Schließer	1	+S/30.4	1085816		Elan	=
									NDL GN
75	+SK-S35	lighted button	NDLBL/RT	1	+S/41.2	1085344		Elan	grinder off
									rot
76	+SK-S35	contact element	EF 140.2 2opener	1	+S/41.2	1087151		Elan	=
									rot
77	+SK-S35	contact element	EF 140.1 2opener	1	+S/41.2	1087142		Elan	=
									rot
78	+SK-S35	LED-light	LE24/9 WS	1	+S/41.2	1086472		Elan	=
									rot
79	+SK-S35	lamp	ELE 24	1	+S/41.2	1086464		Elan	=
									rot
80	+SK-S38	lighted button	NDLBL/GN	1	+S/41.4	1085352		Elan	mixer motor on
									NDL GN

*1	position	*2	count	*3	Seydelmann Ident.-Nr.

part list :

machine-nr.: 15 210-1

1*	indicator	name	typ order number	2*	page / path	3*	setting	producer	function
81	+SK-S38	contact element	EF 303.1 1opener/1closer	1	+S/41.4	1085425		Elan	mixer motor on
									NDL GN
82	+SK-S38	contact element	EF 03.3 1Schließer	1	+S/41.4	1085816		Elan	=
									NDL GN
83	+SK-S41	lighted button	NDLBL/GB	1	+S/121.3	1085361		Elan	loading device up
									1Öffner/1Schließer
84	+SK-S41	contact element	EF 303.1 1opener/1closer	1	+S/121.3	1085425		Elan	=
									1Öffner/1Schließer
85	+SK-S42	lighted button	NDLBL/GB	1	+S/121.4	1085361		Elan	loading device down
									1Öffner/1Schließer
86	+SK-S42	contact element	EF 303.1 1opener/1closer	1	+S/121.4	1085425		Elan	=
									1Öffner/1Schließer
87	+SK-S46	lighted button	NDLBL/WS	1	+S/41.5	1085387		Elan	interval
									NDL WH
88	+SK-S46	contact element	EF 303.1 1opener/1closer	1	+S/41.5	1085425		Elan	=
									NDL WH

*1	position	*2	count	*3	Seydelmann Ident.-Nr.

part list :

machine-nr.: 15 210-1

1*	indicator	name	typ order number	2*	page / path	3*	setting	producer	function
89	+SK-S46	contact element	EF 03.3 1Schließer	1	+S/41.5	1085816		Elan	interval
									NDL WH

*1	position
*2	count
*3	Seydelmann Ident.-Nr.

Date : 27.10.2015 agent : last processor : Schercher	MU 200 B	MASCHINENFABRIK Seydelmann	part list	circuit diagram nr.: 9 90 120006	place: + STUE plant: = SP Page: 12