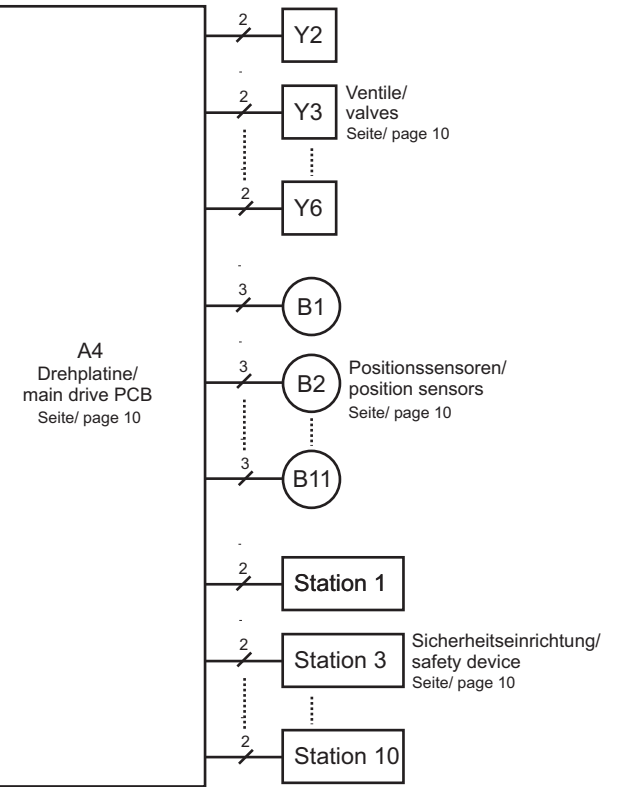
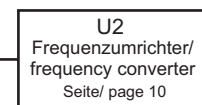
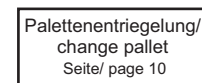
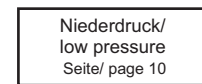
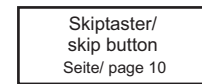
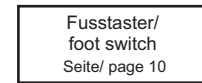
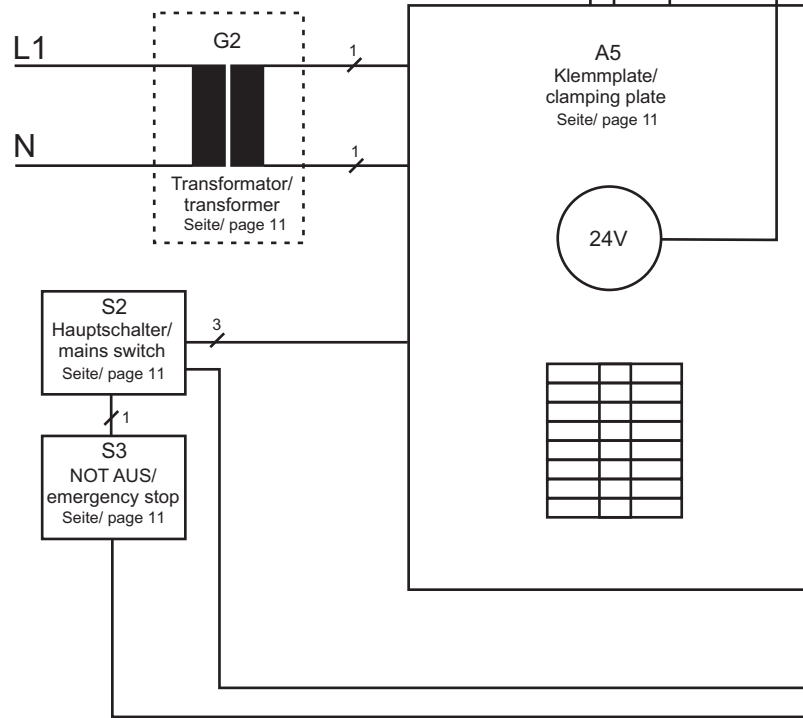
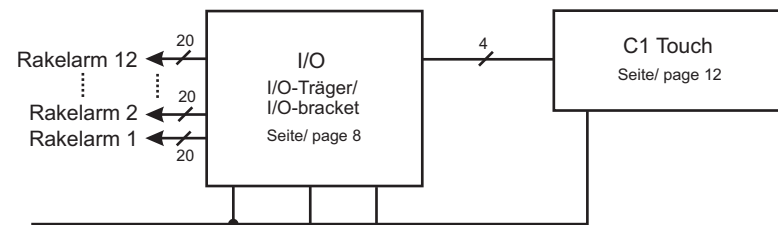
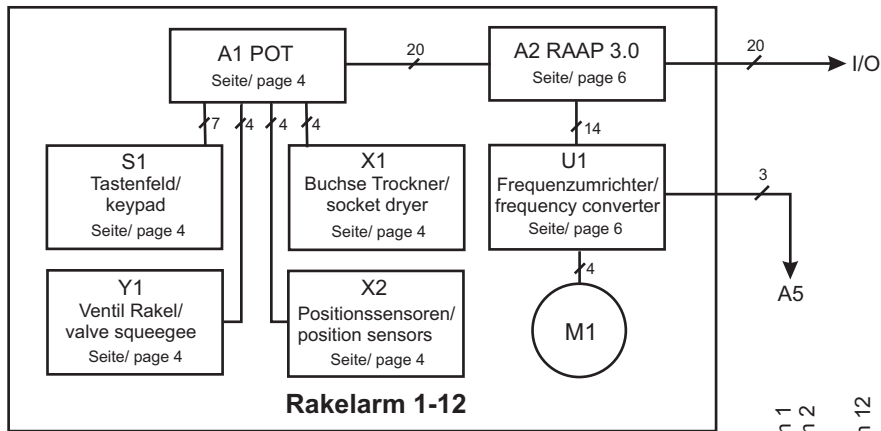
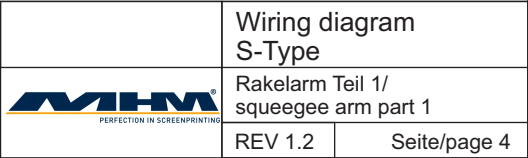


Verdrahtungsplan wiring diagram SYNCHROPRINT S-Type

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Deckblatt	1	cover sheet
Blockschaltbild	2	block diagram
I/O Verbindungen Seite 4	3	I/O connections page 4
Rakelarm Teil 1	4	squeegee arm part 1
I/O Verbindungen Seite 6	5	I/O connections page 6
Rakelarm Teil 2	6	squeegee arm part 2
I/O Verbindungen Seite 8	7	I/O connections page 8
I/O Träger	8	I/O-bracket
I/O Verbindungen Seite 10	9	I/O connections page 10
Drehplatine	10	main drive PCB
Klemmplatte	11	clamping palte
Touch	12	touch

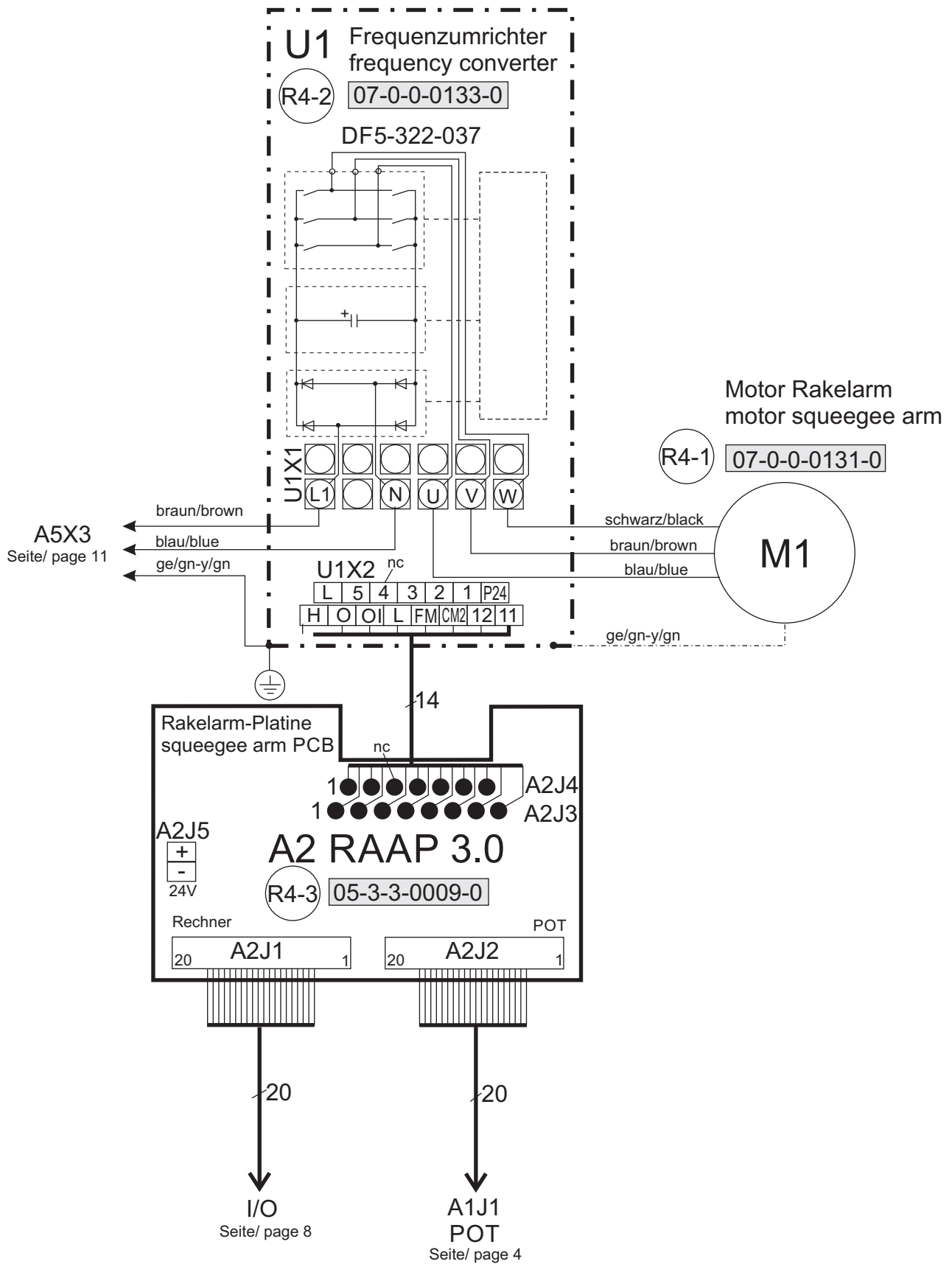


Beschreibung	description	A1 POT 1.4		A2 RAAP 3.0		I/O2	
		A1J1	A2J2	A2J1	X1 or X2		
Y1 MV vorn	Y1 MV front	A1J4 Pin4 —	Pin 1	Pin 1	Pin 1	OUT 1 or 9	
B13 Sensor vorn	B13 sensor front	A1J5 Pin2 —	Pin 2	Pin 2	Pin 2	IN 1 or 9	
Y1 MV hinten	Y1 MV rear	A1J4 Pin2 —	Pin 3	Pin 3	Pin 3	OUT 2 or 10	
B12 Sensor hinten	B12 sensor rear	A1J5 Pin1 —	Pin 4	Pin 4	Pin 4	IN 2 or 10	
X1/5 Trockner	X1/5 dryer	A1J3 Pin1 —	Pin 5	Pin 5	Pin 5	OUT 3 or 11	
S1/7 Tastenfeld LOCK	S1/7 keypad LOCK	A1J2 Pin7 —	Pin 6	Pin 6	Pin 6	IN 3 or 11	
P1/L Potentiometer 1	P1/L potentiometer 1	Pin 7	Pin 7				
S1/1 Tastenfeld Rakel	S1/1 keypad squeegee	A1J2 Pin1 —	Pin 8	Pin 8	Pin 8	IN 4 or 12	
P1/O Potentiometer 1	P1/O potentiometer 1	Pin 9	Pin 9				
S1/2 Tastenfeld links	S1/2 keypad left	A1J2 Pin2 —	Pin 10	Pin 10	Pin 10	IN 5 or 13	
P1+2/H Potentiometer 1+2	P1+2/H potentiometer 1+2	Pin 11	Pin 11 — A2J3 Pin 1				
S1/3 Tastenfeld ADJ	S1/3 keypad ADJ	A1J2 Pin3 —	Pin 12	Pin 12	Pin 12	IN 6 or 14	
P2/O Potentiometer 2	P2/O potentiometer 2	Pin 13	Pin 13				
S1/4 Tastenfeld rechts	S1/4 keypad right	A1J2 Pin4 —	Pin 14	Pin 14	Pin 14	IN 7 or 15	
P2/L Potentiometer 2	P2/L potentiometer 2	Pin 15	Pin 15				
S1/5 Tastenfeld Sieb	S1/5 keypad screen	A1J2 Pin5 —	Pin 16	Pin 16	Pin 16	IN 8 or 16	
+24V	+24V	Pin 17	Pin 17	Pin 17	Pin 17		
+24V	+24V	Pin 18	Pin 18	Pin 18	Pin 18		
GND	GND	Pin 19	Pin 19	Pin 19	Pin 19		
GND	GND	Pin 20	Pin 20	Pin 20	Pin 20		



Beschreibung	description	U1 Frequenzumrichter/ frequency converter U1X2	A2 RAAP 3.0	I/O2
GND	GND	L	A2J4 Pin 1	X1 or X2
Dig. Eingang 5	dig. input 5	5	A2J4 Pin 2	Pin 15
Dig. Eingang 3	dig. input 3	4	A2J4 Pin 4	Pin 11
Dig. Eingang 2	dig. input 2	3	A2J4 Pin 5	OUT 8 or 16
Dig. Eingang 1	dig. input 1	2	A2J4 Pin 6	OUT 6 or 14
+ Poti	+ potentiometer	1	A2J4 Pin 7	
Schleifkontakt Poti	Sliding contact potentiometer	P24	A2J3 Pin 1	
		H	A2J3 Pin 2	
		O	A2J3 Pin 3	
		OI	A2J3 Pin 4	
		L	A2J3 Pin 5	
		FM	A2J3 Pin 6	
		CM2	A2J3 Pin 7	
- Poti / GND	- potentiometer / GND	12	A2J3 Pin 8	
		11		

Beschreibung	description	A2 RAAP 3.0 A2J1	I/O2 X1 or X2
Y1 MV vorn	Y1 MV front	A2J2 Pin 1	Pin 1
B13 Sensor vorn	B13 sensor front	A2J2 Pin 2	OUT 1 or 9
Y1 MV hinten	Y1 MV rear	A2J2 Pin 3	Pin 2
B12 Sensor hinten	B12 sensor rear	A2J2 Pin 4	IN 1 or 9
X1/5 Trockner	X1/5 dryer	A2J2 Pin 5	OUT 2 or 10
S1/7 Tastenfeld LOCK	S1/7 keypad LOCK	A2J2 Pin 6	Pin 3
FU vor	FC forward	A2J2 Pin 7	OUT 3 or 11
S1/1 Tastenfeld Raket	S1/1 keypad squeegee	A2J2 Pin 8	IN 3 or 11
FU zurück	FC back	A2J2 Pin 9	OUT 4 or 12
S1/2 Tastenfeld links	S1/2 keypad left	A2J2 Pin 10	Pin 7
FU langsam	FC slow	A2J4 Pin 4	OUT 4 or 12
S1/3 Tastenfeld ADJ	S1/3 keypad ADJ	A2J2 Pin 12	Pin 8
nicht verwendet	not used	A2J4 Pin 3	IN 4 or 12
S1/4 Tastenfeld rechts	S1/4 keypad right	A2J2 Pin 14	OUT 5 or 13
nicht verwendet	not used	A2J4 Pin 2	IN 5 or 13
S1/5 Tastenfeld Sieb	S1/5 keypad screen	A2J2 Pin 16	OUT 6 or 14
+24V	+24V	A2J2 Pin 17	IN 6 or 14
+24V	+24V	A2J2 Pin 18	OUT 7 or 15
GND	GND	A2J2 Pin 19	IN 7 or 15
GND	GND	A2J2 Pin 20	OUT 8 or 16

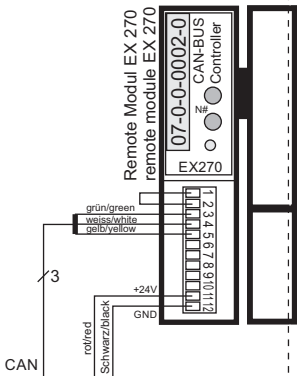


Beschreibung	description
Y1 MV vorn	Y1 MV front
B13 Sensor vorn	B13 sensor front
Y1 MV hinten	Y1 MV rear
B12 Sensor hinten	B12 sensor rear
X1/5 Trockner	X1/5 dryer
S1/7 Tastenfeld LOCK	S1/7 keypad LOCK
FU vor	FC forward
S1/1 Tastenfeld Rakel	S1/1 keypad squeegee
FU zurück	FC back
S1/2 Tastenfeld links	S1/2 keypad left
FU langsam	FC slow
S1/3 Tastenfeld ADJ	S1/3 keypad ADJ
nicht verwendet	not used
S1/4 Tastenfeld rechts	S1/4 keypad right
nicht verwendet	not used
S1/5 Tastenfeld Sieb	S1/5 keypad screen
+24V	+24V
+24V	+24V
GND	GND
GND	GND

A2 RAAP 3.0		I/O2	
A2J1		X1 or X2	
A1J4 Pin4 —	A1J1 Pin 1	Pin 1	OUT 1 or 9
A1J5 Pin2 —	A1J1 Pin 2	Pin 2	IN 1 or 9
A1J4 Pin2 —	A1J1 Pin 3	Pin 3	OUT 2 or 10
A1J5 Pin1 —	A1J1 Pin 4	Pin 4	IN 2 or 10
A1J3 Pin1 —	A1J1 Pin 5	Pin 5	OUT 3 or 11
A1J2 Pin7 —	A1J1 Pin 6	Pin 6	IN 3 or 11
A1J2 Pin1 —	A1J1 Pin 8	Pin 7	OUT 4 or 12
A1J2 Pin2 —	A1J1 Pin 10	Pin 8	IN 4 or 12
A1J2 Pin3 —	U1X2 Pin 3	Pin 9	OUT 5 or 13
A1J2 Pin4 —	A1J1 Pin 14	Pin 10	IN 5 or 13
A1J2 Pin5 —	U1X2 Pin 5	Pin 11	OUT 6 or 14
A1J2 Pin6 —	A1J1 Pin 16	Pin 12	IN 6 or 14
A1J2 Pin7 —	A1J1 Pin 17	Pin 13	OUT 7 or 15
A1J2 Pin8 —	A1J1 Pin 18	Pin 14	IN 7 or 15
A1J2 Pin9 —	A1J1 Pin 19	Pin 15	OUT 8 or 16
A1J2 Pin10 —	A1J1 Pin 20	Pin 16	IN 8 or 16

Variante / variation

Remote Modul EX 270
remote module EX 270



I/O I/O-Träger/
I/O-bracket

- Anzahl I/O-Module Maschinenabhängig
- Max. 4 I/O-Module pro CAN-Controller
- Bei 1+2 I/O-Modulen CAN-Controller EX270
- Bei 3+4 I/O-Modulen CAN-Controller EX470

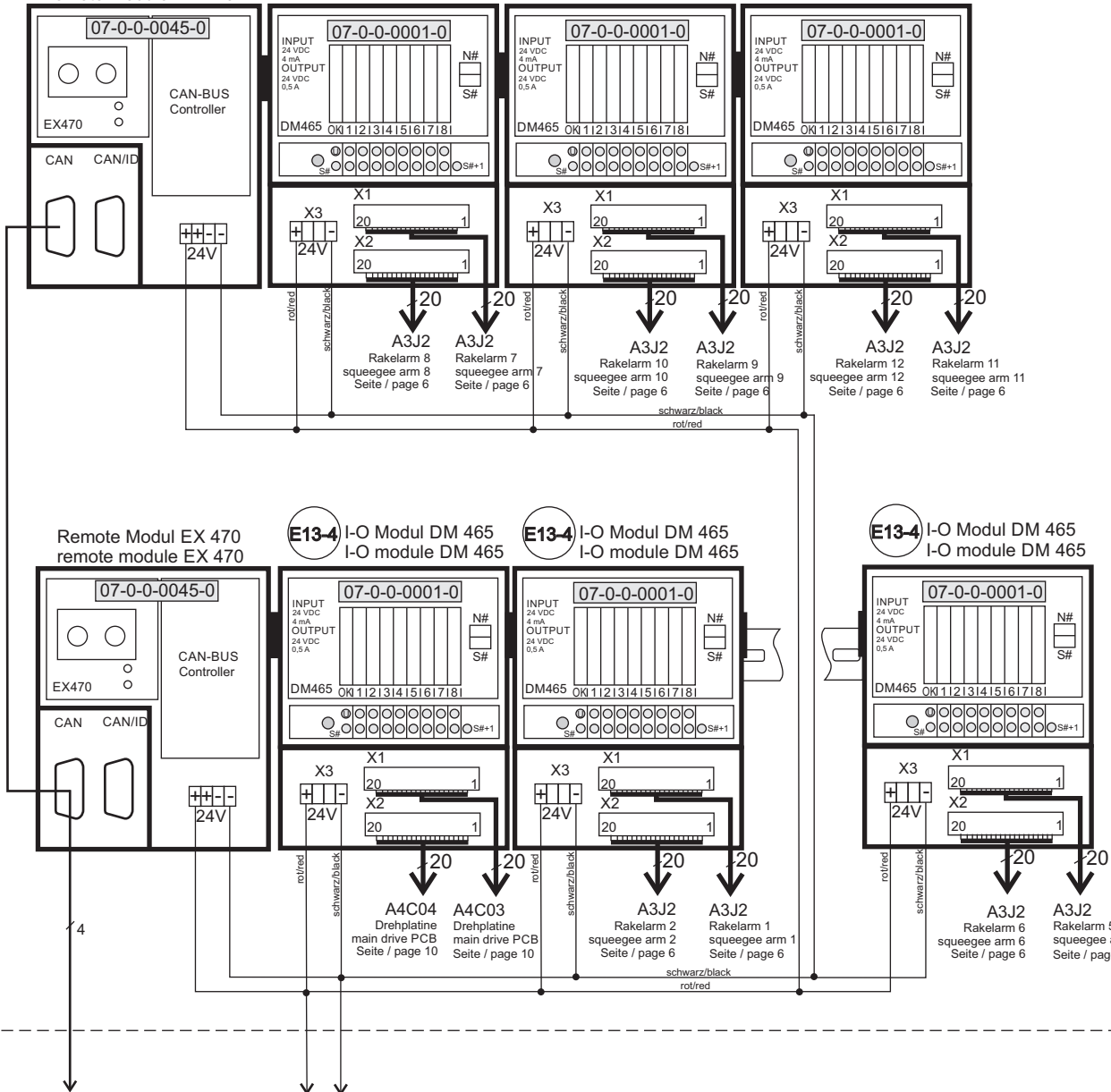
- number of I/O-modules depends on machine type
- max. 4 I/O modules on one CAN-controller
- At 1+2 I/O modules CAN-controller EX270 is needed
- At 3+4 I/O modules CAN-controller EX470 is needed

Remote Modul EX 470
remote module EX 470

E13-4 I-O Modul DM 465
I-O module DM 465

E13-4 I-O Modul DM 465
I-O module DM 465

E13-4 I-O Modul DM 465
I-O module DM 465



C1 Touch
Seite/ page 12

+ -
G1 24V
Seite/ page 11

Wiring diagram
S-Type

Beschreibung	description
Y3 Mitnehmerstift B1 Init links Y4 Feststift B8 Init rechts Y5 Siebhub B4+B5 Init Mitte +V B2 / FU links Alarm FU +V B7 / FU rechts FU run FU langsam Reserve NOT AUS +V B3 / FU schnell links B10 Initiator Mitnehmerstift +V B6 / FU schnell rechts B9 Initiator Feststift Y2 Palettenwechsel S12 Fusstaster NC FU 2 Rampe S12 Fusstaster NO	Y3 transport pin B1 init left Y4 fixing pin B8 init right Y5 screen lift B4+B5 init center +V B2 / FC left alarm FC +V B7 / FC right FC run FC slow reserve emergency stop +V B3 / FC fast left B10 initiator transport pin +V B6 / FC fast right B9 initiator fixing pin Y2 pallet change S12 foot switch NC FC 2 ramp S12 foot switch NO
Palettenentriegelung B11 Tischposition Niederdruck	change pallet B11 table position low pressure
Skiptaster Ventil lock/unlock	skip button valve lock/unlock

A4 Servo	I/O1
A4CO13 Pin 1	I/O1X1 Pin1 OUT 1
A4S1-4 Pin 2	I/O1X1 Pin2 IN 1
A4CO12 Pin 1	I/O1X1 Pin3 OUT 2
A4S5-8 Pin 11	I/O1X1 Pin4 IN 2
A4CO11 Pin 1	I/O1X1 Pin5 OUT 3
A4S5-8 Pin 2/ A4S1-4 Pin 11	I/O1X1 Pin6 IN 3
A4S1-4 Pin 6	I/O1X1 Pin7 OUT 4
A4S9 Pin 1	I/O1X1 Pin8 IN 4
A4S5-8 Pin 9	I/O1X1 Pin9 OUT 5
A4CO16 Pin 8	I/O1X1 Pin10 IN 5
A4CO9 Pin 3+4	I/O1X1 Pin11 OUT 6
A4S14 Pin 1	I/O1X1 Pin12 IN 6
A4S1-4 Pin 9	I/O1X1 Pin13 OUT 7
A4S11 Pin 2	I/O1X1 Pin14 IN 7
A4S5-8 Pin 6	I/O1X1 Pin15 OUT 8
A4S10 Pin 2	I/O1X1 Pin16 IN 8
A4CO14 Pin 1	I/O1X2 Pin1 OUT 9
A4S13 Pin 2	I/O1X2 Pin2 IN 9
A4CO15 Pin 1	I/O1X2 Pin3 OUT 10
A4S13 Pin 1	I/O1X2 Pin4 IN 10
A4S12 Pin 1	I/O1X2 Pin5 OUT 11
A4CO4 Pin 6	I/O1X2 Pin6 IN 11
A4CO4 Pin 7	I/O1X2 Pin7 OUT 12
A4CO4 Pin 8	I/O1X2 Pin8 IN 12
A4CO4 Pin 9	I/O1X2 Pin9 OUT 13
A4CO4 Pin 10	I/O1X2 Pin10 IN 13
A4CO4 Pin 11	I/O1X2 Pin11 OUT 14
A4CO4 Pin 12	I/O1X2 Pin12 IN 14
A4CO4 Pin 13	I/O1X2 Pin13 OUT 15
A4CO4 Pin 14	I/O1X2 Pin14 IN 15
A4CO4 Pin 15	I/O1X2 Pin15 OUT 16
A4CO4 Pin 16	I/O1X2 Pin16 IN 16

U2K11

U2X2 Pin 11
U2X2 Pin 4+3

U2X2 Pin 6

