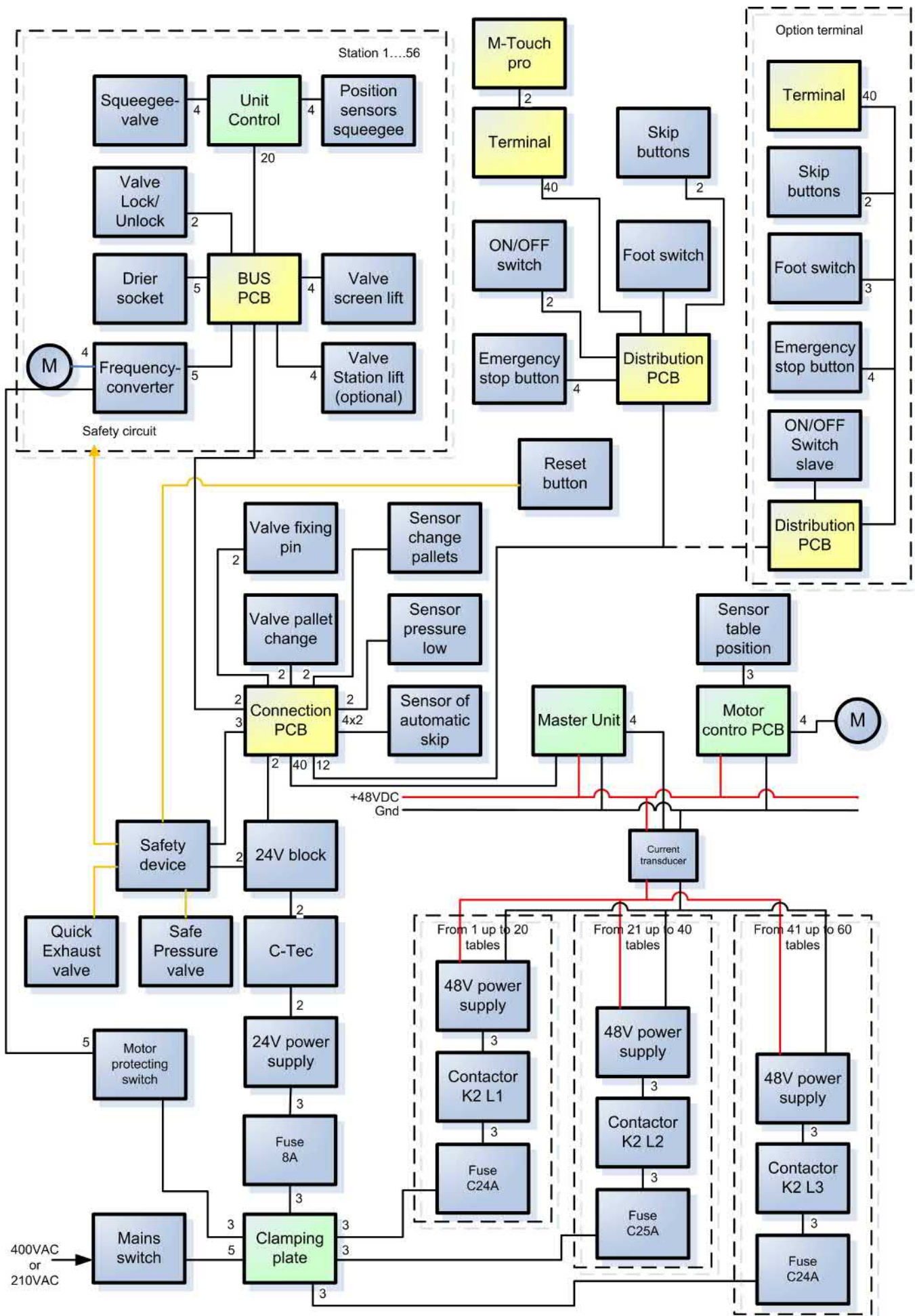


# Verdrahtungsplan wiring diagram 210V

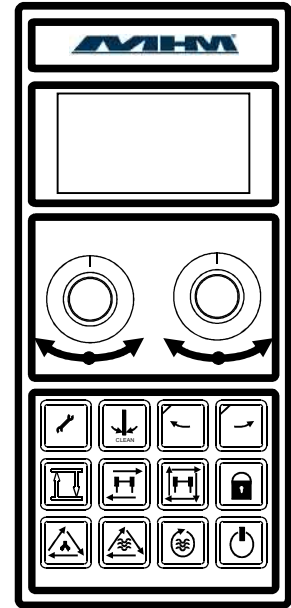
## *iQ-Oval*

Deckblatt	.....	1	.....	cover sheet
Blockschaltbild	.....	2	.....	block diagram
Rakelarm Teil 1	.....	3	.....	squeegee arm part 1
Rakelarm & Druckstation	.....	4	.....	squeegee arm & print station
Anschlussplatine & Master Einheit	.....	5	.....	connection PCB & master unit
Motor Control	.....	6	.....	motor control
Not-Halt Relais	.....	7	.....	safety device
Haupt & Optionalterminal	.....	8	.....	main & optional terminal
Visualisierung	.....	9	.....	visualization
Verteilerplatine Main	.....	10	.....	main distribution PCB
Verteilerplatine optional	.....	11	.....	optional distribution PCB
Elektroaufnahmeplatte	.....	12	.....	electric clamping plate
Ringverkabelung	.....	13	.....	ring wiring



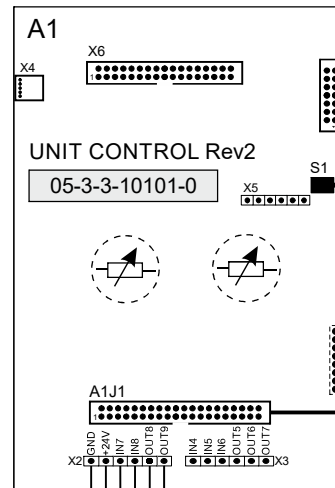
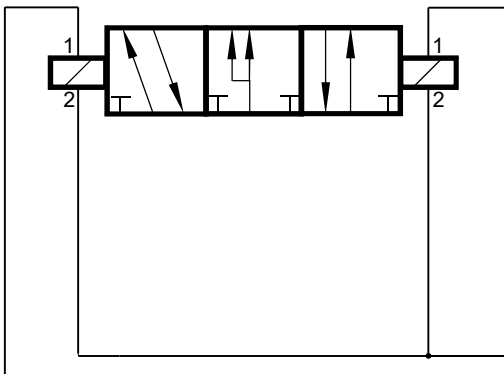
Folientastatur Station Front  
keypad station front

07-0-0-10002-0



Magnetventil Raket/  
electromagnetic valve  
squeegee

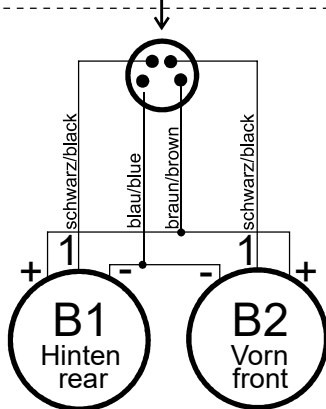
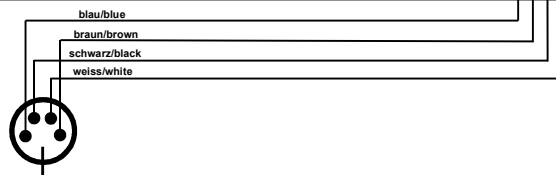
20-0-0-0555-3



A2J4  
BUS PCB  
Seite/page 4

Kabel Raket/  
cable squeegee

07-0-0-0005-1



Kraftbrücke/  
position sensors

20-0-0-0167-2

	Wiring diagram iQ Oval 210V
	Raketarm Teil 1/ squeegee arm part 1
REV 2.2	Seite/page 3

**U1**  
**Frequenzumrichter**  
**frequency converter**  
 07-0-0-0133-6

FC	color	FU
analog	grey	0
-	brown	L
-	white	L
outside	green	2
inside	yellow	1
	white	3
	brown	4

**F1**  
**Sicherungshalter**  
**fuse holder**  
 07-0-0-0218-0

Sicherung T4A  
 fuse T4A

X1x  
 Seite/page13

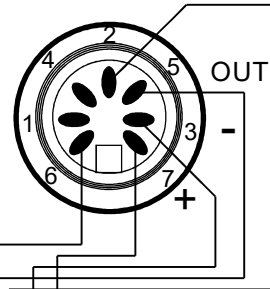
**Motor Rakelarm**  
**squeegee arm motor**  
 07-0-0-0131-0

STO Ringleitung /  
 STO ring line  
 Seite / page 13

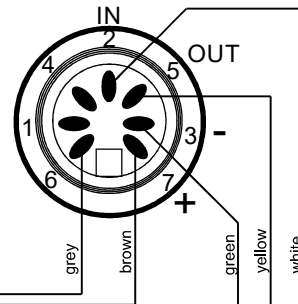
M1

black (black)  
 blue (brown)  
 orange (grey)

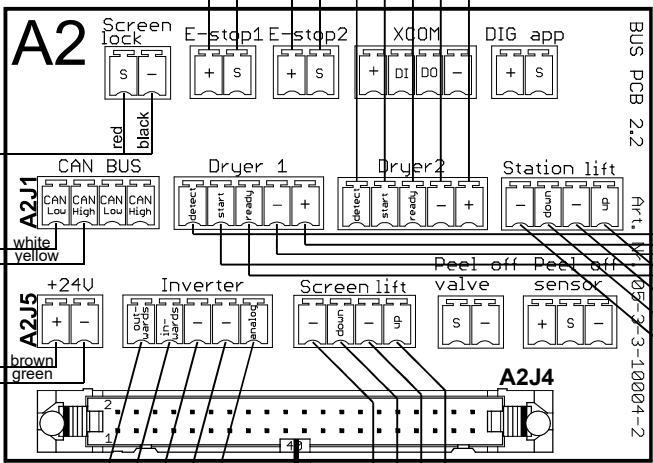
green (ye./gn.)



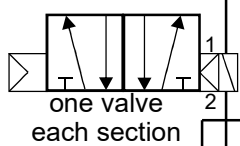
**Trocknerbuchse/**  
**drier socket**  
 07-0-0-0135-0



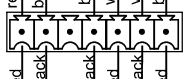
**Not Halt Taster**  
**Druckstationen /**  
**emergency stop**  
**button -**  
**printing heads**



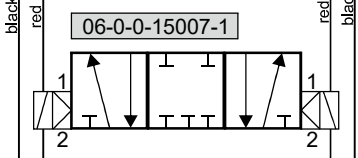
**Passerstiftventil/**  
**fix pin valve**  
 06-0-0-15005-0



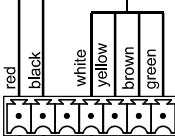
A1J1  
**Unit control**  
 Seite/page 3



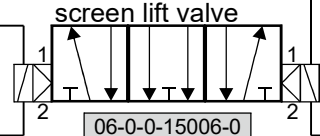
**Stationsliftventil/**  
**station lift valve**  
 06-0-0-15007-1



**Magnetventil Sieblock/**  
**screen lock valve**  
 06-0-0-15006-0

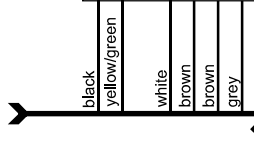


**Magnetventil Sieblift/**  
**screen lift valve**  
 06-0-0-15006-0



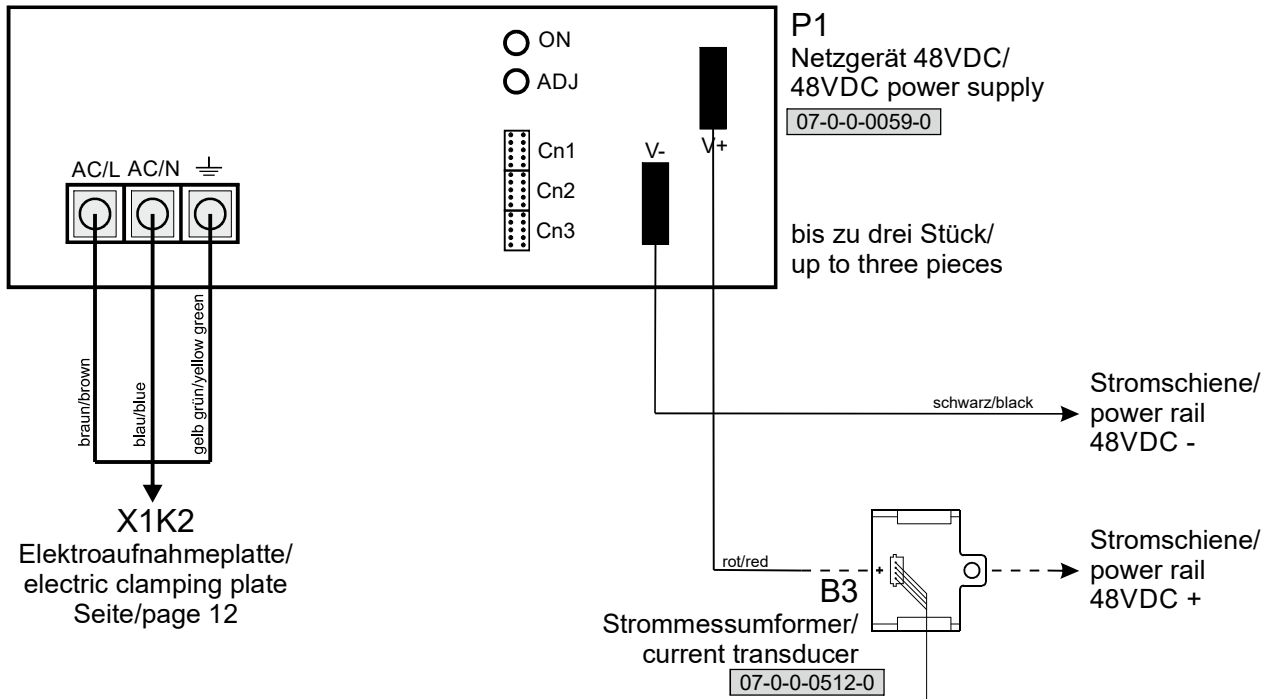
assembly group

control ring  
 Seite/page 13



**iQ-Oval**  
**Wiring diagram**  
**iQ Oval 210V**  
**MHM**  
 PERFEKTION IN SCHAFFEN  
**Rakelarm & Druckstation/**  
**squeegee arm & print station**  
 REV 2.2  
 Seite/page 4



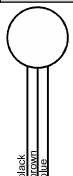


Kohlebürstenhalter komplett/  
Carbon brush holder complete  
20-0-0-15037-0

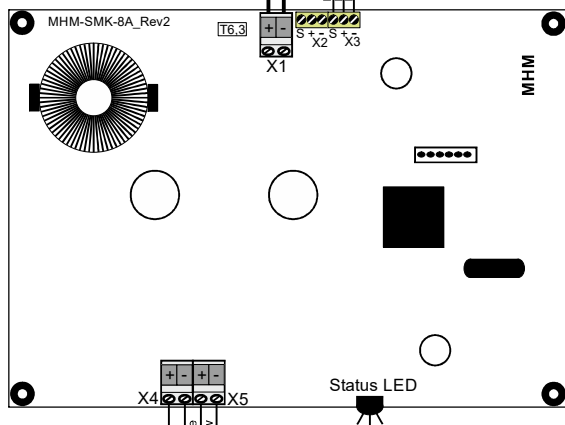
Stromschiene/  
power rail  
48VDC



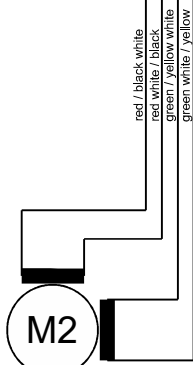
Passersensor/  
Registration sensor  
20-0-0-15108-0



A5  
Motor control Platine/  
motor control PCB  
05-3-3-15001-0

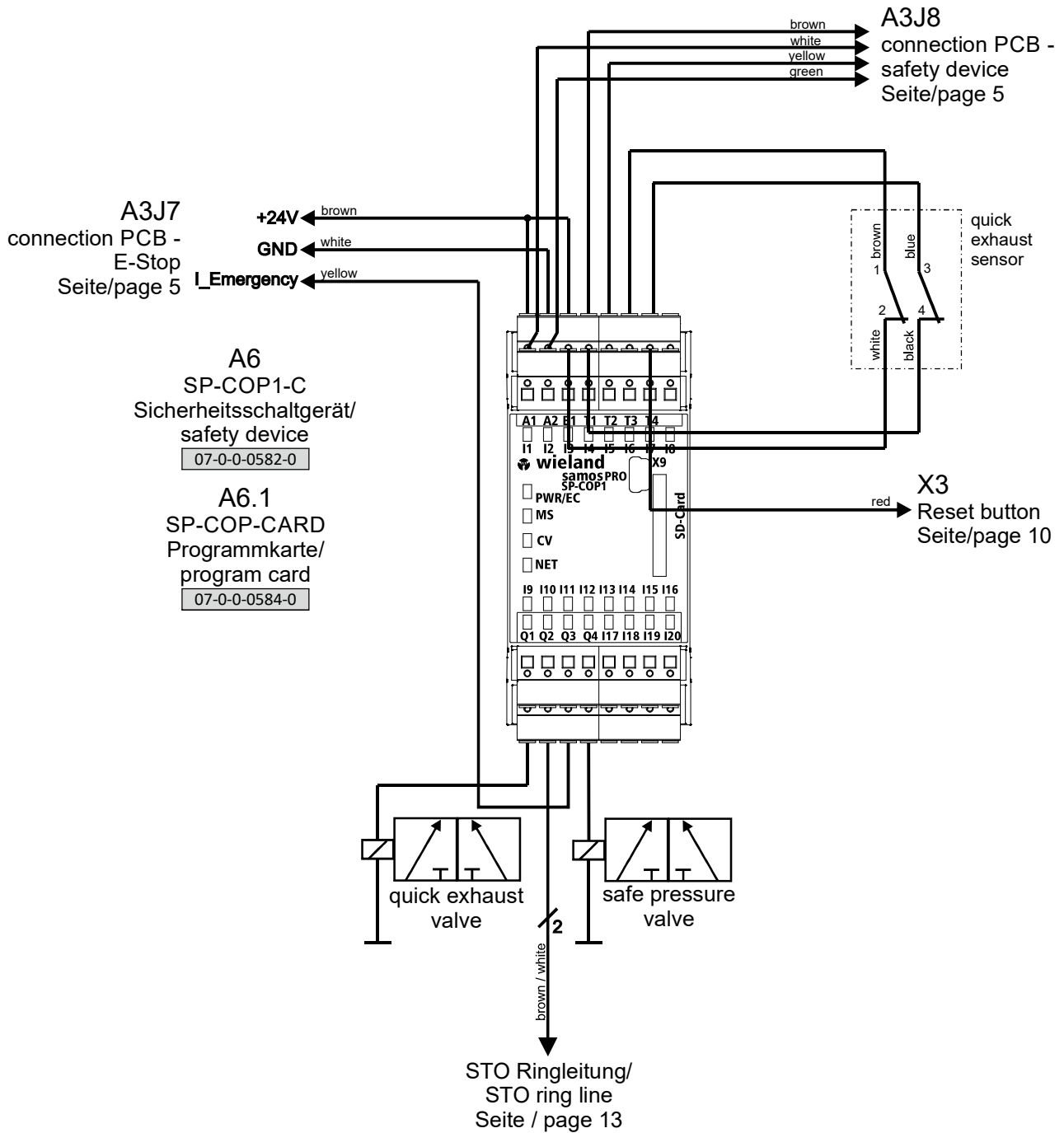


A4  
Master Einheit/  
master unit  
Seite / page 5



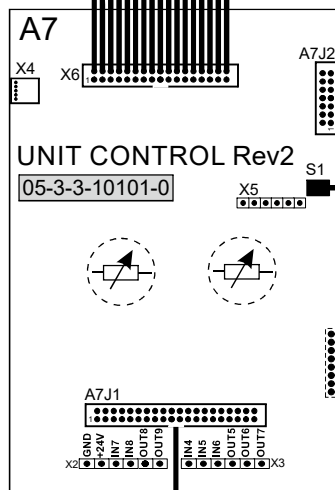
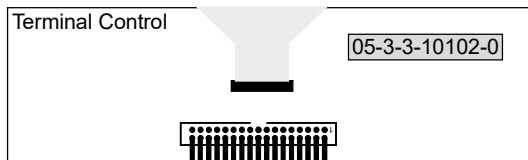
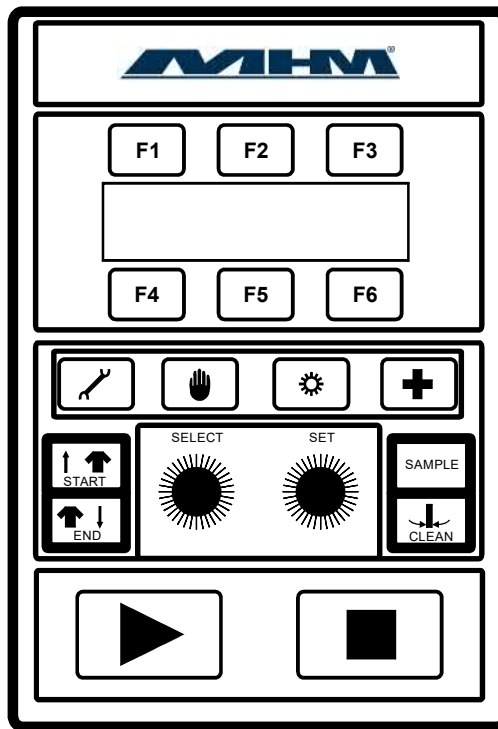
Schrittmotor/  
stepper motor  
20-0-0-15039-0

Status LED	Beschreibung	status led	description
LED aus	48VDC fehlen	LED off	48VDC disable
LED leuchtet grün	48VDC vorhanden	LED lights green	48VDC enable
LED leuchtet Cyan	Tisch ist auf Position	LED lights cyan	Table on position
LED blau	Software Update	LED lights dark blue	Update of software
Blinkt rot	Motor Störungsmeldung	LED flashes red	error message
1 mal	Überspannung	one time	overvoltage
2 mal	Überstrom	two times	overload
3 mal	Schlupffehler	three times	error slip
4 mal	Sensorfehler bei Indexstart	four times	error sensor at index start
5 mal	Kommunikationsfehler RX	five times	error communication
6 mal	Kommunikationsfehler TX	six times	error communication
7 mal	Fehler bei Referenzfahrt	seven times	error reference run
8 mal	Timeout Referenzfahrt	eight times	timeout reference run
10 mal	Allgemeiner Fehler	ten times	general error



Folientastatur Terminal  
keypad terminal

07-0-0-10003-0



Verteilerplatine  
distribution PCB

A10J2  
Seite/page 10  
at main terminal

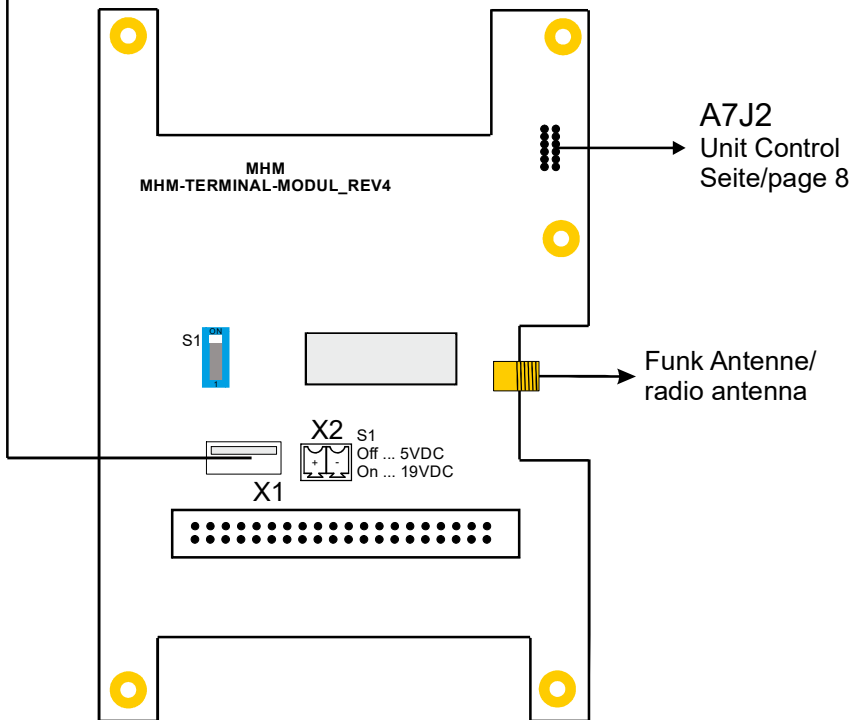
A11J2  
Seite/page 11  
at optional terminal

	Wiring diagram iQ Oval 210V
	 Haupt- & Optionalterminal/ main & optional terminal
REV 2.2	Seite/page 8

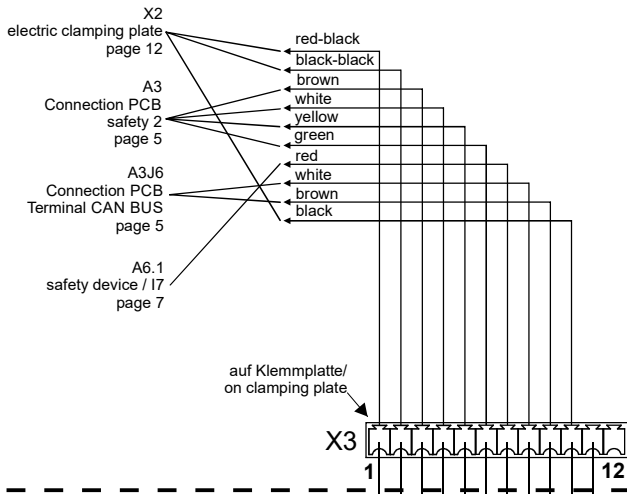
A9  
Samsung Galaxy A8



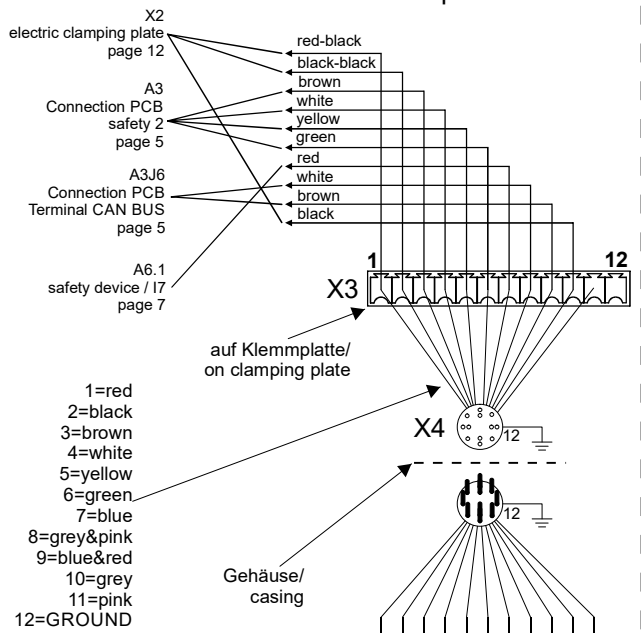
A8  
Terminal Modul PCB  
05-3-3-10104-0



### Gallow mounted main control panel

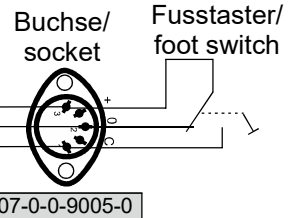
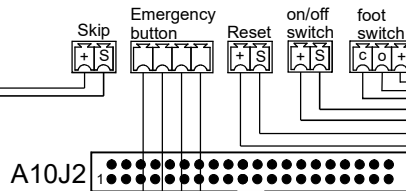
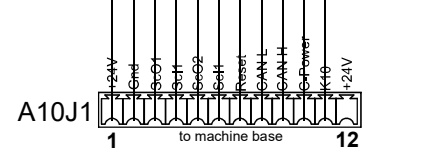
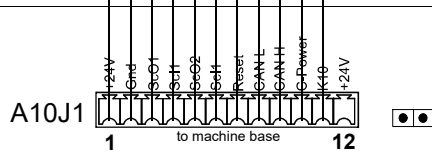


### Console mounted main control panel



### A10 Verteiler Platine Terminal distribution PCB Terminal

05-3-3-15004-0



### A7J1 Terminal Einheit Terminal unit

Seite/page 8

