PFAFF

3568-2/12

(Top-side bobbin change)

Service hand book for control

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296-12-17 220 engl 02.93

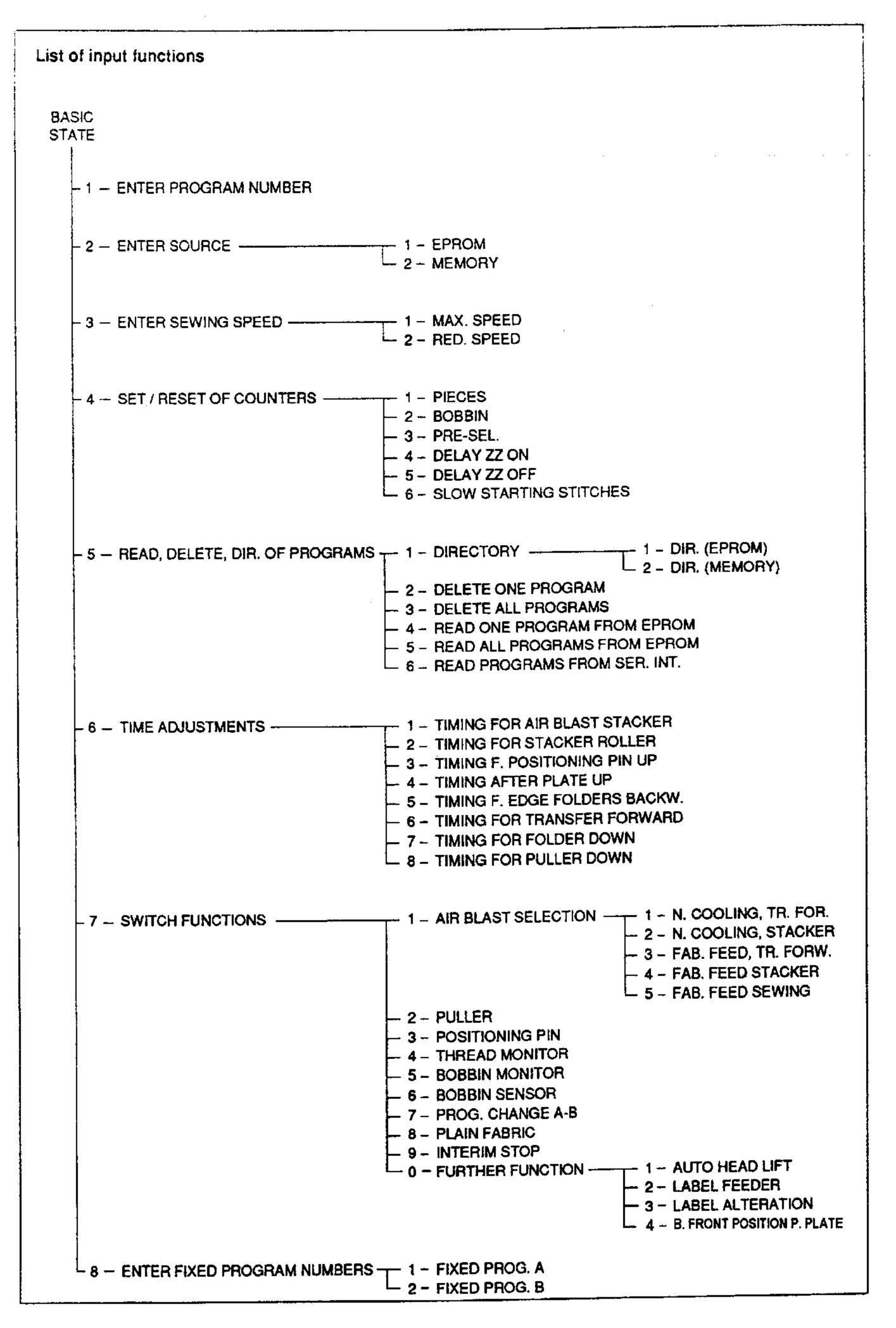
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Safety Instructions

- The machine must only be used for the purpose it was designed for.
- In case of conversion into another version all valid safety instructions have to be considered.
- Do not operate the machine without the safety devices it is equipped with.
- The machine must only be switched on and operated by persons who have been instructed accordingly.
- When exchanging gauge parts (e. g. needle, presser foot, needle plate, feed dog, bobbin), threading the machine or leaving it, and during maintenance work, be sure to disconnect the machine, either by actuating the master switch or by removing the mains plug. In case mechanically-actuated clutch motors wait for the motor to stand still.
- When carrying out maintenance- or repair work on pneumatic devices, disconnect the machine from the pneumatic supply source. The only exceptions permitted are adjustments and performance checks made bey competent personnel.
- Work on electrical equipment of the machine must only be carried out by electricians or other persons who have been instructed accordingly.
- Apart from the permissible deviations according to DIN VDE 0105, work on live parts an equipment is nit permitted.

T. Handle allen wrenches

6 mm allen----08-800 303-08 5 mm allen----08-800 303-07 4 mm allen----08-800 303-06 3 mm allen----08-800 303-05 2.5 mm allen---08-800 303-02 2 mm allen----08-800 303-01



General information

In the basic status, all main functions can be indicated together with their function numbers by pressing the "ENTER" key several times. If a valid function number is actuated, the corresponding input function is selected. Main functions may be divided into several part functions, and part functions again into several further part functions. Selection is made simple by the integrated operator guidance system.

The input is concluded by actuation of an operation mode key.

If error messages occur, one of the operation mode keys must be pressed in order to continue work.

In addition to the main functions listed below, there is a monitor function (byte, port) which, however, is only to be used by authorized service personnel.

Function numbers of the main functions:

- **1 ENTER PROGRAM NUMBER**
- 2 ENTER SOURCE
- 3 ENTER SEWING SPEED
- 4 SET / RESET OF COUNTERS
- 5 READ, DELETE, DIR. OF PROGRAMS
- 6 TIME ADJUSTMENTS
- 7 SWITCH FUNCTIONS
- 8 ENTER FIXED PROGRAM NUMBERS

Main function 1 - ENTER PROGRAM NUMBER

The input of a program number is only possible when the machine is in its basic position. Otherwise an error message is indicated.

The new program number is accepted with "ENTER".

Furthermore it is important to take note that when an EPROM has been changed it is necessary to reselect a program number, even if the same program number is to be used, provided the current EPROM is the program source.

Main function 2 - ENTER SOURCE

It is only possible to input the program source when the machine is in its basic position; if it is not, an error message will be indicated.

Main function 3 - ENTER SEWING SPEED

The maximum sewing speed ("1") and the reduced sewing speed ("2") can be indicated and altered.

The selected sewing speed can be input in speed levels from 1 to 15, whereby each speed level is indicated with the percentage ratio in relation to the maximum possible speed. The setting is accepted with "ENTER" if the value is permissible (otherwise error message).

Furthermore it is important that the sewing speed may be limited by the stitch length or the sewing program.

Main function 4 - SET/RESET OF COUNTERS

Firstly it is possible to turn over the different part functions by pressing "ENTER". The corresponding function numbers in each case are indicated too. When a valid function number is actuated, the chosen part function is selected.

Part function 1 - PIECES (piece counter)

The active value is indicated. The piece counter can be reset by key "0".

Part function 2 - BOBBIN (bobbin thread stitch counter)

(Same as part function 1), the setting is indicated in units of 100 stitches.

Part function 3 - PRE-SEL. (setting of bobbin thread stitch counter)

The active value (units of 100 stitches) is indicated. After that, a new setting can be made and accepted with "ENTER".

Part function 4 - DELAY ZZ ON (delay of zigzag "on")

The active delay value is indicated in stitches. After that, a new setting can be made and accepted with "ENTER".

Part function 5 - DELAY ZZ OFF (delay of zigzag "off")

(Same as part function 4).

Part function 6 - SLOW STARTING STITCHES

The active number of slow starting stitches is indicated. After that, a new setting can be made and accepted with "ENTER".

Main function 5 - READ, DELETE, DIR. OF PRO-GRAMS

Firstly it is possible to turn over the different part functions by pressing "ENTER". The function numbers to be operated in each case are indicated too. On actuation of a valid function number, the corresponding part function is selected.

Part function 1 - DIRECTORY

It is possible to choose between the directory of the eprom ("1") and the memory ("2"). All existing program numbers are indicated. The list is concluded with "END". If one line is not sufficient to indicate all program numbers, the display can be continued with "ENTER". When all programs and "END" have been displayed, the display returns to the beginning.

Part function 2 - DELETE ONE PROGRAM

Deletion is only permissible in the basic position of the machine, otherwise an error message is indicated.

Firstly, the program number to be deleted is entered. The delete function is carried out with "ENTER" and confirmed afterwards. If the program number is not available an error message is indicated.

Part function 3 - DELETE ALL PROGRAMS

Deleting is only permissible in the basic position of the machine, otherwise an error message is indicated. The delete function is carried out with "ENTER" and confirmed afterwards.

Part function 4 - READ ONE PROGRAM FROM EPROM (read single programs from eprom into memory)

Firstly, the program number to be read is input. Reading is begun by pressing "ENTER". If the program to be read is not found in the eprom, if a program with the same number in the memory already exists, or if the storage capacity is not sufficient, this is indicated with a corresponding error message. After correct reading, a confirmation is indicated.

Part function 5 -READ ALL PROGRAMS FROM EPROM (read all programs from eprom into memory)

Firstly, the part function is indicated. Reading is begun by pressing "ENTER". If no eprom or an empty one is inserted in the reading unit, a program with the same number in the memory already exists or if the storage space is not sufficient, this is indicated with a corresponding error message. Confirmation is indicated after correct reading.

Part function 6 -READ PROGRAMS FROM SER. INT. (read programs into memory via serial Interface)

A corresponding display is made. Then the system waits for data.

The following errors are recognized and indicated:

- program with the same number already in memory exists
- insufficient storage space
- wrong data transmitted
- transmission interrupted

- transmission error Successful transmission is indicated by a message. Interruption of transmission is possible by actuation of an operation mode key.

Main function 6 - TIME ADJUSTMENTS

Firstly it is possible to scroll through the different part functions by pressing "ENTER". The function numbers to be operated in each case are indicated too. By actuation of a valid function number, the corresponding part function is selected.

The following times can be adjusted: part function 1 - TIMING FOR AIR BLAST STACKER part function 2 - TIMING FOR STACKER ROLLER part function 3 - TIME F. POSITIONING PIN UP part function 4 - TIMING AFTER PLATE UP part function 5 - TIMING F. EDGE FOLDERS BACKW. part function 6 - TIMING FOR TRANSFER FORWARD part function 7 - TIMING F. COVER OF ST. ROLLER (time for stacker roller cover) part function 7 - TIMING FOR FOLDER DOWN (only for 3568-1/12; -2/12) part function 8 - TIMING FOR PULLER DOWN The input time is accepted with "ENTER". Important: If the time for stacker roller cover is set long

Important: If the time for stacker roller cover is set longer than the time for stacker roller, the stacker roller cover will not be triggered.

Main function 7 - SWITCH FUNCTIONS

Firstly it is possible to tscroll through the different part functions by pressing "ENTER". The function number to be operated in each case is indicated too. By actuation of a valid function number the corresponding part function is selected.

Part function 1 - AIR BLAST SELECTION

By pressing "ENTER" the different part functions of airblast selection can be scrolled through. If a part function is selected by its function number, the corresponding air blast can be enabled by "1" or disabled by "0".

The following part functions are possible:

- part function 1 N. COOLING, TR. FOR. (air blast, needle cooling on during feed forward)
- part function 2 N. COOLING, STACKER (air blast, needle cooling on during stacking)
- part function 3 FAB. FEED, TR. FORW. (air blast, auxiliary fabric feed on during feed forward)
- part function 4 FAB. FEED STACKER (air blast, auxiliary fabric feed on during stacking)
- part function 5 FAB. FEED SEWING (air blast, auxiliary fabric feed on during sewing)

Part function 2 - PULLER

The puller function can be enabled ("1") or disabled ("0").

Part function 3 - POSITIONING PIN

It is possible to choose between edge folder with positioning pins ("1") and edge folder without positioning pins ("0").

Part function 4 - THREAD MONITOR

The needle thread monitor can be enabled ("1") or disabled ("0").

Part function 5 - BOBBIN MONITOR

The bobbin thread monitor can be enabled ("1") or disabled ("0").

Part function 6 - BOBBIN SENSOR

The bobbin thread sensor can be enabled ("1") or disabled ("0"). If the bobbin thread monitor and the bobbin thread sensor are enabled, the bobbin thread is monitored by the sensor. If the bobbin thread monitor is enabled and the bobbin thread sensor is disabled, the bobbin thread is cmonitored by stitch counting.

Part function 7 - PROG. CHANGE A - B Automatic program change can be enabled ("1") or disabled ("0").

Part function 8 - PLAIN FABRIC (changed start of folder unit for plain fabric)

The folder unit is started with the dual starting buttons. The function of the foot switch is inactive. This changed start can be enabled ("1") or disabled ("0").

Part function 9 - INTERIM STOP

The interim stop can be switched on ("1") or off ("0").

Part function 0 - FURTHER FUNCTIONS

Press "ENTER" to access and scroll through further part functions with their function numbers. After selecting a part function with its function number you can select the required function with "1" or de-select with "0".

The following part functions are possible: Part function 1 - AUTO HEAD LIFT Part function 2 - LABEL FEEDER Part function 3 - ALTERN. LABEL SEWING

Main function 8 - ENTER FIXED PROGRAM NUM-BERS

Firstly it is possible to scroll through the different part functions by pressing "ENTER". The function numbers to be operated in each case are indicated too. By actuation of a valid function number, the corrosponding part function is selected.

Part function 1 - FIXED PROG. A Part function 2 - FIXED PROG. B

A program number may be given to the program station selected.

Service - brief description

To make a master reset on the Quick Synchro motor, press and hold all 4 switches on the Qucik controller and turn on the machine. All parameters are set to the correct

value as follow

Parameter	
116 = 0000	705 = 0125
117 = 0400	706 = 0125
521 = Ⅲ	718 = 0003
601 = I	722 = 0030
603 = I	723 = 0018
605 = II	733 = Englist

- ---
- 606 = 0180
- 607 = 4100
- 608 = 0030
- 609 = 0180
- 610 = 0180
- 700 = 0
- 701 = I
- 702 = 0075

733 = English800 = I 884 = 0010

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4 - Sewing motor

5 - Thread trimming sequence

6 - Display of inputs

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General information

In the basic status all different functions with their function numbers can be indicated by pressing the "ENTER" key. If a valid function number is actuated, the corresponding service - function is selected.

Service is exited by pressing an operation mode key.

Function numbers:

- 1 SET / RESET OF OUTPUTS
- 2 STEPPING MOTOR (X AXIS)
- 3 STEPPING MOTOR (Y AXIS)
- 4 SEWING MOTOR
- 5 THREAD TRIMMING SEQUENCE
- 6 DISPLAY OF INPUTS

1 - SET / RESET OF OUTPUTS

Outputs can be set or reset. Both interlocks and the are checked.

The output to be controlled verifications is characterized by a three-digit index. The highest digit determines whether the output is to be set or reset

(* = 1 for set, * = 0 for reset).

In the following list, the names of the outputs refer to set outputs in each case.

2 - STEPPING MOTOR (X - AXIS)

Indexes					
Output	Name	Index	Output	Name	Index
Y1	Presser foot down	*08	Y50 .1	OUT 7 (sewing head down) On	*41
Y2	Trimming (900) on	•09			
Y3	Air blast needle cooling on	*10	Y50.2	OUT 8 (sewing head up) On	*4
			Y20.1	Pocket plate back	*1:
Y 5	Thread puller function	•04	Y20.2	Pocket plate forward	•1-
¥10	OUT 1 (zig-zag) on	*40			

			Y21.2	Pocket holder down	*13
	OUT 3 On	*42	K 22	Retaining solenoid edge folder on	*15
	OUT 4 On	*43	Y23 .1	Edge folder and plate up	*17
	OUT 5 On	*44	:		
			¥23.2	Edge folder and plate down	*16
SPWOUT	OUT 6 (bobbin change) On (indication only)	•45			
			24.1	Edge folders back	*19

Y21.1

*41

Y11

OUT 2 (Thread tension ampl.) on Pocket holder up

*14

Output	Name	Index	Output	Name	Index
					*32
24.2	Edge folders forward	*18	¥40	Suction, fabric feed roller, on	52
Y25	Positioning pins up	*20			
			Y41	Puller down	*33
Y26.1	Template down	*22			•••4
			Y42	Stacker forward	*34
Y26.2	Template up	*21	¥43	Air blast, stacker, on	*35
107.4		*49			
Y27.1	Feed forward (to sewing pos.)	*48			
			K44	Fabric feed roller on	*36
Y27.2	Feed back (to edge folding pos.)	*49			
			Y45	Air blast, auxiliary fabric feed, on	*06
Y28.1	Locating pin sewing on	*01			
			K60	Main contactor on	*37
Y28.2	Locating pin feed on	*02			
			Y70	Label clamp pressure	*52
Y29.1	Edge folders forward	*03			
123.1			H101	Start lamp on	*38
Y29.2	Edge folders backward	*07			
			H102	Stop lamp on	*39
Y31	Pocket plate up	*05			
			H103	Manual lamp on	*24
L			<u> </u>		

Output	Name	Index	
H104	Automatic mechanism lamp on	*25	
H105	Power-on lamp on	*26	
H106	Error reset lamp on	*27	
1400	Food inhal lama an	*51	
H120	Feed label - lamp on	51	
SGRD	Carriage in bas. pos. (only report)	*28	
ETSTART	Label feeder start	*50	
r.			
		· · · · · · · · · · · · · · · · · · ·	

3 - STEPPING MOTOR (X - AXIS)

The stepping motor of the X-axis is moved in the positive direction by pressing the " forward " key, in the negative direction by pressing the " backward " key. The interlocks are respected. If the thread is not cut, it can be cut by pressing the " needle position " key. If the needle is not in position 2, it can be positioned by pressing the same key too.

Remark: The passage of the needle has to be free, because thread trimming and positioning need one rotation of the sewing machine. (Needle over sewing slot)!

3 - STEPPING MOTOR (Y - AXIS)

Same function as (2), but for the stepping motor of the Y-axis.

4 - SEWING MOTOR

The sewing motor can be switched on with a pre-selected speed at the "start "key. The "stop "key stops the motion and the sewing machine positions with the needle "up". Renewed selection of speed and start of machine is possible. During the motion, the presser foot is switched down and the measured actual speed is displayed.

Remark: The passage of the needle must be free (Needle over sewing slot)!

5 - THREAD TRIMMING SEQUENCE

By pressing the "start "key a thread trimming sequence is carried out.

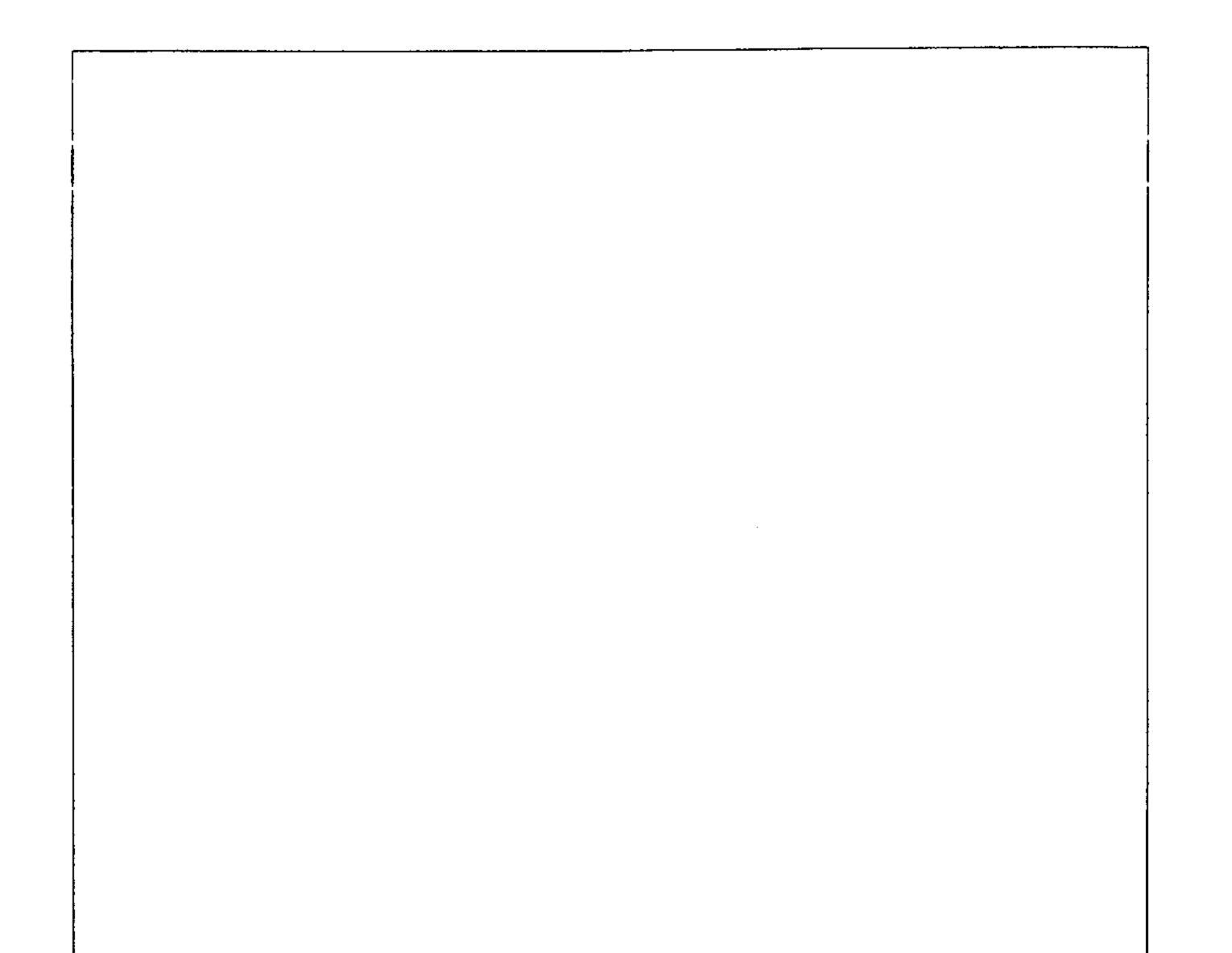
Remark: Passage of the needle must be free (Needle over the sewing slot)!

6 - DISPLAY OF INPUTS

24 inputs are illustrated at the same time on the display. Enabled inputs (LED on) are represented by "1", disabled ones by "0". Terminals, which are not used for inputs, are marked with "*". The display is arranged in 3 groups of 8 inputs, beginning with terminal no. 1 at the left side. The status is displayed continuously, i.e. a change of status is shown at once.

When the function is called up, the inputs of M-OX (A21) are indicated firstly. By pressing the "ENTER" key another pinboard can be selected. M-OX (A21) is followed by M-IN (A25), M-OE (A26) and M-OE (A27). Then the sequence starts from the beginning again, i.e. with display of M-OX (A21).

If a label station is fitted: A21/5 = "1", after M-OE (A27), M-OX (A24) is indicated It is not until then that sequence M-OX (A21) can start again.



List of interlocks

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General information

Label "I" on LED means LED is lighted, "0" means LED is not lighted.

AUT, MAN, SER

DISPLAY	INTERL	OCK	ουτρυτ	VERIFICATION	REMARKS
	LED	SIGNAL	LED	LED	
1 S PRESS.FOOT DOWN NOT READY			A22/1 I	A26/1 0	
1 R PRESSER FOOT UP NOT READY	<u>_</u>		A22/1 0	A26/1 I	
Y2 S THREAD TRIMMING LOCKED	A25/14 A25/13				
Y2 S THREAD TRIMMING NOT READY			A22/2 I	A26/2 I	
Y20.1 POCKET PLATE BACK LOCKED	A26/8 A22/4	i S23.1 0 Y20.2			FOLDER WITHOUT POS.PINS
			A22/5 1	A26/5 1	
Y20.1 POCKET PLATE BACK N.READY			A223 1	A26/4 0	
Y20.2 POCKET PLATE FORW. LOCKED		\$23.1 0 Y20.1	1		FOLDER WITHOUT POS.PINS
	A26/14	0 B27.1			ONLY WITH LOCATING PIN, FEED, ON
Y20.2 POKET PLATE FORW, N. READY			A22/4 1	A26/4 I	

ERROR LIST IN MODE:

AUT, MAN, SER

*	,		1	
DISPLAY	INTERLOCK	OUTPUT	VERIFICATION	REMARKS
	LED SIGNAL		LED	
Y21.1 POCKET HOLDER UP LOCKED	A26/10 I \$24.1 A22/6 0 Y21.2			
21.1 POCKET HOLDER UP NOT READY		A22/7 I	A26/6 i	
Y21.2 POCKET HOLDER DOWN LOCKED	A22/7 0 Y21.1 A26/10 I S24.1			
	A26/14 0 B27.1			ONLY WITH LOCATING PINS, FEED, ON
Y21.2 POCKET HOLDER DOWN N.READY		A22/6 I	A26/6 0	
Y23.1 FOLDER UP LOCKED	A22/9 0 Y23.2			FOLDER WITHOUT POS.PINS
Y23.1 FOLDER UP NOT READY		A22/10 1	A26/8 A26/18	
Y23.2 FOLDER/PLATE DOWN LOCKED	A26/14 0 B27.1 A22/10 0 Y23.1			FOLDER WITHOUT POS.PINS
	A24/2 I ETRDY			
Y23.2 FOLDER/PLATE DOWN N.READY		A22/9 i	A26/7 I A26/18 0	

ERROR LIST IN MODE:	AUT, MAN, SER						
DISPLAY	INTERLOCK	(OUTPUT	VERIFICATION	REMARKS		
	LED	SIGNAL	LED	LED			
Y24.1 EDGE FOLDERS BACK LOCKED	A22/11 0	Y24.2					
Y24.2 EDGE FOLDERS FORW. LOCKED	A22/12 0	Y24 .1		, 			
Y24.2 EDGE FOLDERS FORW. N.READY			A22/11 I	A26/18 I	FOLDER WITHOUT POS.PINS		
Y25 S POSITIONING PIN UP LOCKED	A26/14 0	B27.1			ONLY WITH LOCATING PINS, FEED, ON		
Y26.1 TEMPLATE DOWN LOCKED	OR A26/13 0 A22/14 0		Check when the transfer is in the back position	A26/14 0 A26/13 1	Check when the transfer is in the forward position		
Y26.1 TEMPLATE DOWN NOT READY			A22/15 1 A26/11 0	A26/12 I			
Y26.2 TEMPLATE UP LOCKED	A25/13 0 A26/16 0 A26/3 1 A26/24 1 A26/17 1 A27/2 1	POS.2 MOT.DR. B28.4 B28.5 B28.9 S28.2 S41.1 SGRD Y26.1					
Y26.2 TEMPLATE UP NOT READY			A22/14 I	A26/11 A26/12 0			
		<u>.</u>					

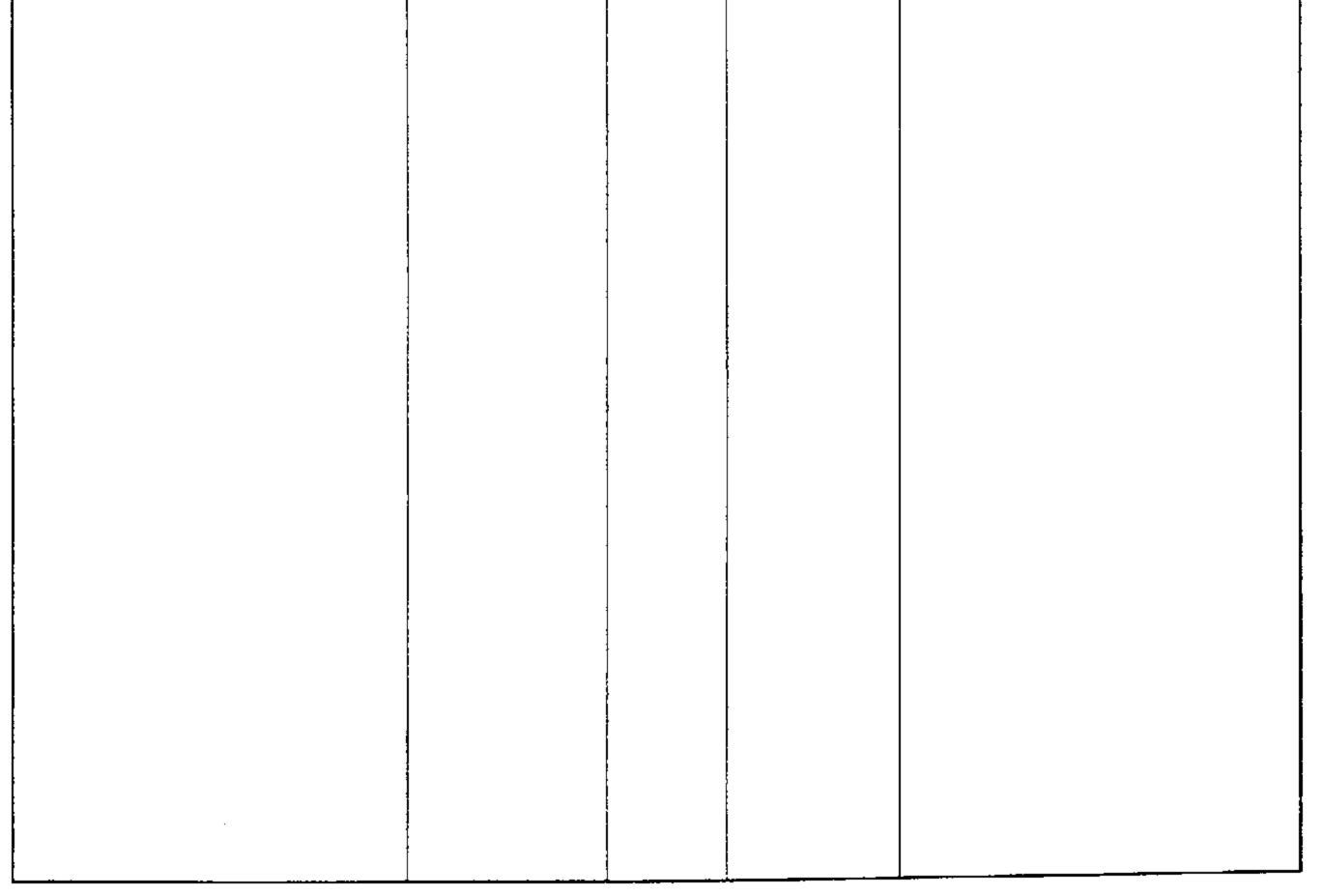
DISPLAY	INTERLOCK		OUTPUT	VERIFICATION	REMARKS
	LED	SIGNAL	LED	LED	
Y27.1 FEED FORWARD LOCKED	A26/13 1 A26/8 I A27/2 I	S1 S20.2 B27.2 S23.1 S41.1 S42 SGRD			LOCATING PIN, FEED, ON
	A27/4 I A27/13 I A27/14 I	S50.1 S98 S99			SICHDI = I
Y27.1 FEED FORWARD NOT READY	<u> </u>		A23/22 A23/23 0	A26/14 0 A26/13 I A26/20 0	
Y27.2 FEED BACKWARD LOCKED	A26/11 A26/12 0 A26/8	S26.1			LOCATING PINS, FEED, ON
	A27/2 I	S41 .1			ONLY BEFORE START
	A24/2 1	ETRDY			(if A21/5 ET)
	A27/13 A27/14	598 599			SICHDI = I
Y27.2 TRANSFER BACKWARD N. READY		1	A23/22 A23/23	A26/13 0 A26/14 I	· · ·
Y28.1 LOCATING PINS, SEW., LOCKED	A26/14 0 A26/12 i A26/11 0 A23/21 i A22/19 0	B27.1 S26.1 S26.2 SGRD			
Y28.1 LOCATING PINS, SEW., N. READY			A22/18 I	A26/15 A26/24 0 A26/3 0 A26/16	
Y28.2 LOCATING PINS, FD., LOCKED	A26/14 0 A26/12 I A26/11 0 A23/21 I A22/18 0	S26.1 S26.2 SGRD			

ERROR LIST IN MO	DE:
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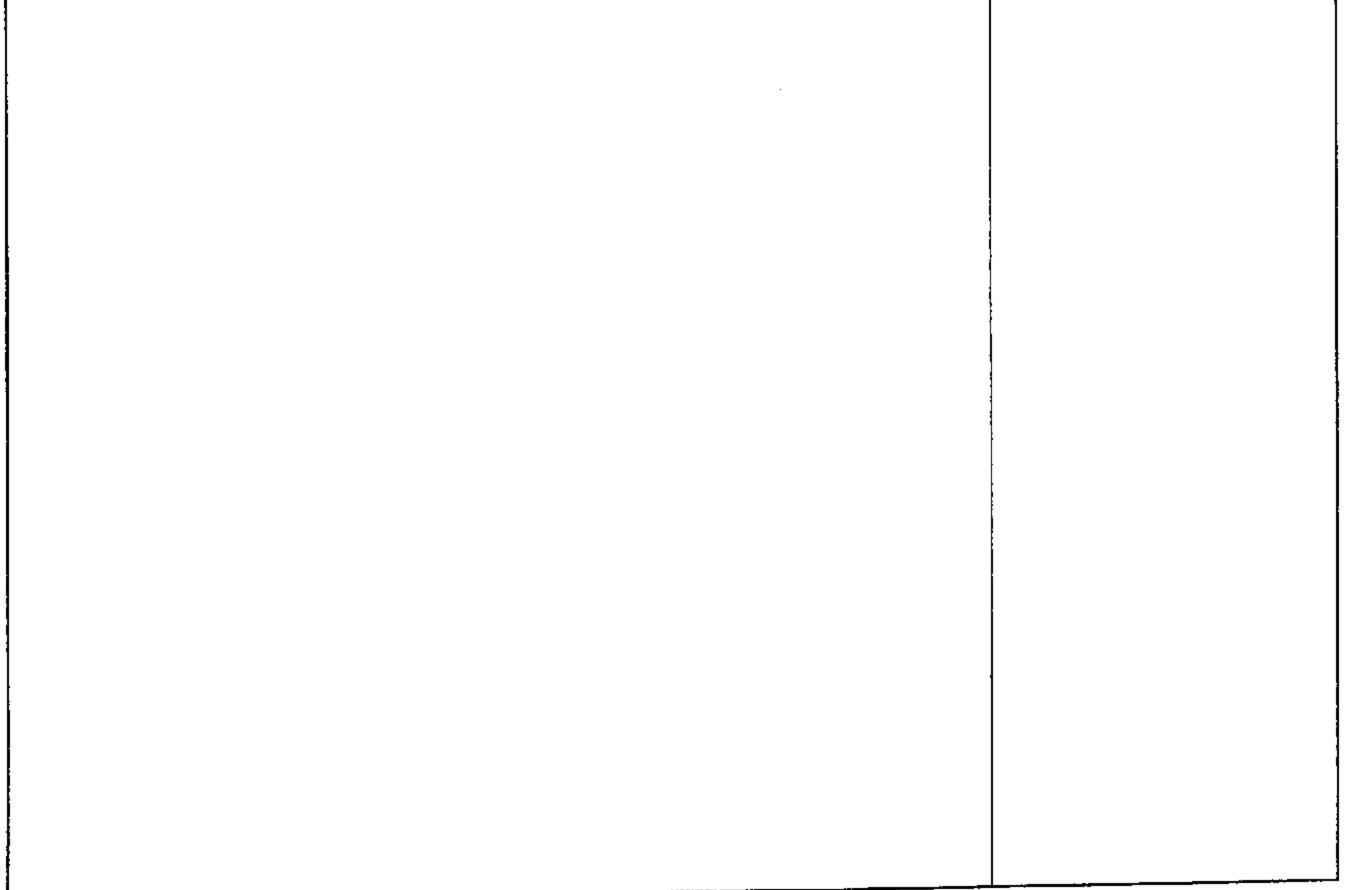
AUT, MAN, SER

DISPLAY	INTERLO	СК	OUTPUT	VERIFICATION	REMARKS
	LED	SIGNAL	LED	LED	
(28.2: LOCATING PINS, FD:, N. READY			A22/19 I	A26/16 0 A26/17 1 A26/3 1 A26/24 1	
(29.1 FOLDER FORWARD LOCKED	A26/8 A22/24 (S23.1 Y29.2			ONLY WHEN FOLDER BACK
Y29.1 FOLDER FORWARD NOT READY			A22/20 I	A27/23 I	
Y29.2 FOLDER BACKWARD LOCKED	A26/8 I A22/20 0	S23.1 Y29.1			
Y29.2 FOLDER BACKWARD N. READY			A22/24 I	A27/24	
Y41 S PULLER DOWN LOCKED	A26/14 (B27.1			
Y41 S PULLER DOWN NOT READY			A23/10	A27/1 1	
Y41 R PULLER UP NOT READY			A23/10 0	A27/2 I	
Y42 S STACKER FORWARD NOT READY			A23/11 I	A27/3 I	
Y42 R STACKER BACKWARD NOT READY	•		A23/11 0	A27/3 0	
K60 S MAIN CONTACTOR NOT READY			A23/14 1	A27/11 0	
Y50.1 SEWING HEAD DOWN LOCKED	A23/8 () Y50 .2			
Y50.1 SEWING HEAD DOWN NOT	[A23/7 I	A27/4 I	

ERROR LIST IN MODE:		AUT, MAN,	SER	
DISPLAY	INTERLOCK	OUTPUT	VERIFICATION	REMARKS
	LED SIGNA		LED	
Y50.2 SEWING HEAD UP LOCKED	A26/13 0 B27.2 A26/17 S28.2 A26/16 0 B28.4 A26/24 B28.3 A26/3 B28.5 A23/7 0 Y50.1			SEWING IN BASIC CONDITION
				NIGRD = 1
Y50.2 SEWING HEAD UP NOT FINISHED		A23/8 I	A27/4 0	
ETSTART START, LABEL INTERLOCK	A26/13 B27.2 A26/14 0 B27.1 A26/8 S23.1			



ERBOR	LIST IN MODE:	AUT, MAN. SER	
DISPLA	Y		REMARKS
*ERR:	POWER SUPPLY, 12V, EXT.	A27/16 = 1	
*ERR:	NO COMPRESSED AIR	A27/12 = 1	
•ERR:	STEPPING MOTOR DRIVE	A27/22 should be on(1) this is the voltage monitor for the stepper drive. Check the fuse on each off d650 units inside the stepper drive.	
*ERA:	NEEDLE DOES NOT GET TO POS	Check the sewing motor control panel. Check T1 transformer for the correct voltage output.	
*ERA:	-900 NOT IN BASPOSITION	A26/2 should be on(1). If B2 sensor is uncovered the input is on (1) and covered the input is off (0).	
*ERA:	SEWING MOTOR DOES NOT STOP	P Check synchronizer.	
•ERR:	NO START OF CARRIAGE (NIS)	A21/13 in the input controled by B50.1 sensor. If the sensor is covered the input should be on (1) or uncovered the input should be off (0).	
			······································



ERROR LIST IN MODE:

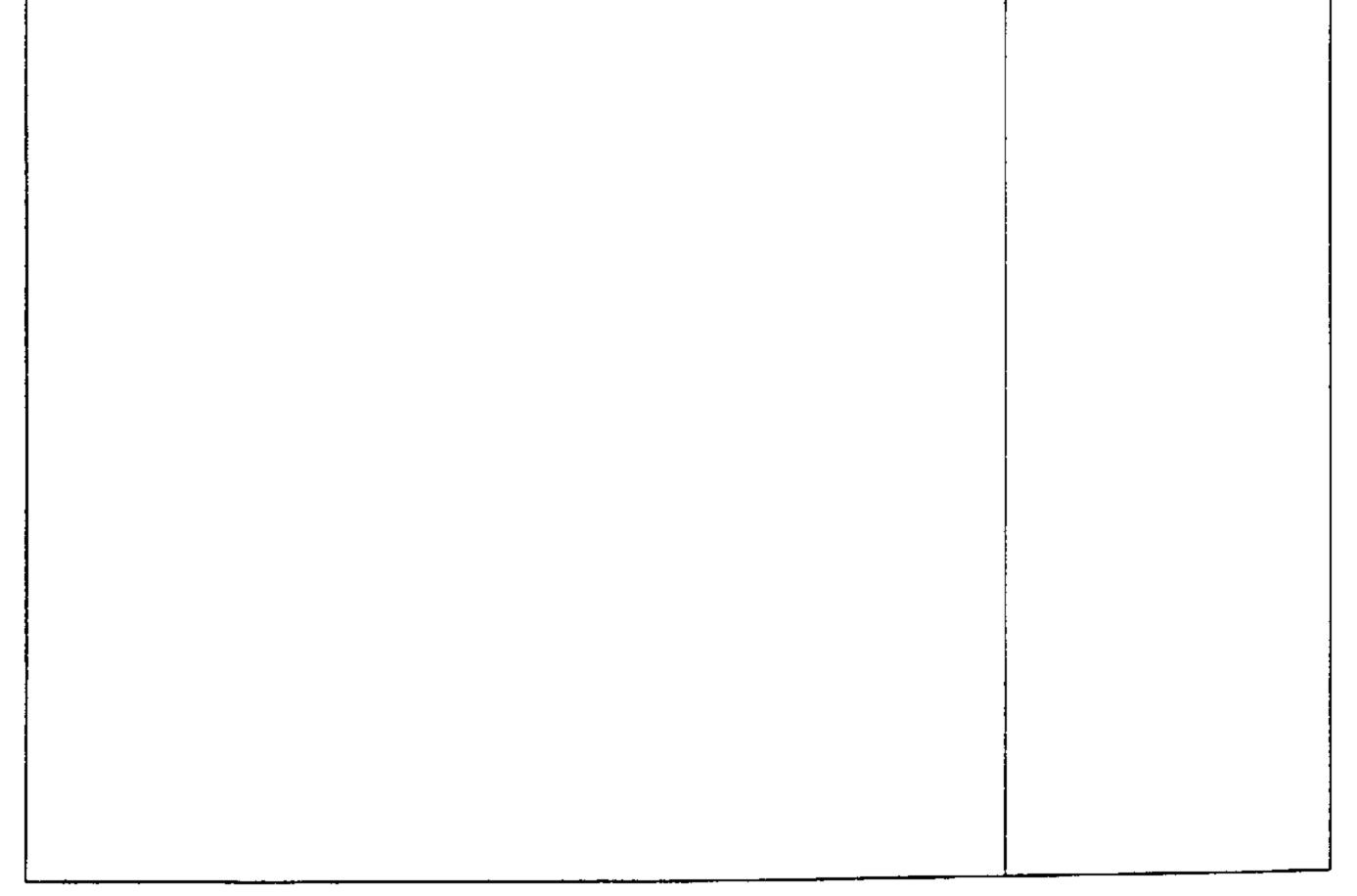
AUT, MAN

DISPLAY	Y	INTERLOC	ĸ	OUTPUT	VERIFICATION	REMARKS
		LED	SIGNAL	LED	LED	
•ERR:	CAR. MOVEMENT LOCKED / BAS	A25/14 I A25/13 0 A26/15 I A26/24 0 A26/24 0 A26/24 0 A26/24 0 A26/24 0 A26/24 0 A26/24 0 A26/24 0 A26/24 0 A26/24 1 A26/12 I A26/12 I A26/12 I A26/12 I A27/2 I A27/6 I A27/7 I A27/9 I A27/10 I A27/4 I	POS.2 MOT.DR S28.1 B28.3 B28.5 B28.4 S26.1 S26.2 S41.1 B51.2 B51.3 B52.2 B52.3 S50.1			
*ERA:	BAS MOVEMENT LOCKED / BAS	A25/14 I A25/13 0 A26/1 I A27/6 I A27/9 I A27/9 I A27/10 I UND,AND, A26/15 I A26/24 0 A26/3 0 A26/16 I ODER,OR A26/16 0 A26/3 I A26/24 I A26/24 I A26/17 I	POS.2 MOT.DR \$1 851.2 852.2 852.3 ET, Y \$28.1 828.3 828.5 828.4 828.5 828.4 828.5 828.3 \$28.3 \$28.3 \$28.3			LOCATING PIN TO SEWING
*ERR:	FWD/BACK LOCKED / BAS	A26/15 i A26/24 0 A26/3 0 A26/16 l A26/12 l A26/11 0 A27/2 l A27/2 l A27/6 l A27/7 l A27/9 l A27/9 l A27/10 l A27/4 l	S28.1 B28.3 B28.5 B28.4 S26.1 S26.2 S41.1 B51.2 B51.3 B52.2 B52.3 S50.1			
*ERR:	SEWING LOCKED / BAS	A26/15 A26/24 0 A26/3 0 A26/16 A26/12 A26/12 A27/2 A27/2 A27/6 A27/7 A27/9 A27/10 A27/4	S28.1 B28.3 B28.5 B28.4 S26.1 S26.2 S41.1 B51.2 B51.3 B52.2 B52.3 S50.1			

AUT, MAN	
	REMARKS
Check the memory battery on the A3 board	
Check all slotted sensors under the cover for the stepper motors	
Operater switch # 132, if no responce check motor control panel	
Operate needle positioning switch (#132) Check motor control panel, check T1 transformer, A27/4 should be (1), this is the input from S50.1 switch therefore K50 relay should be energized.	
	Check all slotted sensors under the cover for the stepper motors Operater switch # 132, if no responce check motor control panel Operate needle positioning switch (#132) Check motor control panel, check T1 transformer, A27/4 should be (1), this is the input from S50.1 switch

SAFET	GUARD		
COVER	OF CARRIAGE OPEN !		 _ <u>,</u>
CHANG	E BOBBIN		
*ERR:	LIMIT SWITCH OF CAR. / BAS	Check all slotted sensors under the cover for the stepper motors	
TERR:	WRONG SEWING DATA / BAS	Remove and re-insert the E-Prom	
*ERR:	CAR NOT IN BASPOS. / BAS	Check all slotted sensors under the cover for the stepper motors	
*ERR:	CAR. MOVE, NOT READY / BAS	Check all slotted sensors under the cover for the stepper motors	

ERROR	LIST IN MODE:	AUT, MAN	
DISPLA	Y		REMARKS
*ERR:	THREAD TRIM. NOT READY/BAS	Check the synchronizer setting.	
*ERR:	NEEDLE NOT IN UP.POS / 8AS	Check motor control panel Check T1 transformer for correct voltage output.	
*ERR:	RAMP NOT FINISHED / BAS	Check B50.1 sensor setting, Check the voltage supplied the machine, Check machine RPM for 4020, Replace A 5 board, Check X 6 plug on the A 5 board	
*ERR:	WRONG POS. AT END OF PROG.	Check the flag setting on the handwheel	
'ERA:	NO SUCH PROGRAM		
*ERR:	SEWING MOTOR TOO FAST	Check the machine making sure it is running 4020 RPM. Make a master reset. Check the V beit, Oil on V Belt, and Pulley.	

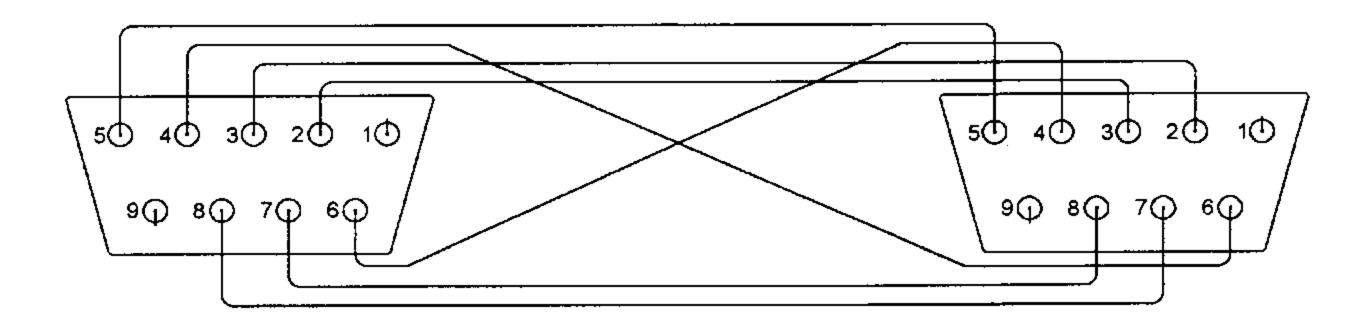


ERROR LIST IN MODE:			SER			
DISPLAY	INTERLOC	ĸ	OUTPUT	VERIFICATION REMARKS		
	LED	SIGNAL	LED	LED		
*ERR: CARRIAGE MOVEMENT LOCKED	A25/14 I A25/13 0 A26/1 I	POS.2 MOT.DR. S1				

ERROR LIST IN MODE:	SER
DISPLAY	VERIFICATION REMARKS
	LED
*ERR: THREAD TRIMMING NOT READY	

ERROR LIST IN MODE:	INP
DISPLAY	REMARKS
TERR: MACHINE IS NOT IN BAS-POS.	Turn the machine off and on again, Check the transfer forward position
"ERR: PROG. CHANGE A-B SELECTED	
*ERR: WRONG INPUT	
*ERR: NO SUCH PROGRAM (NO.)	
*ERR: EXISTING PROGRAM (NO.)	
*ERR: LIMITED SPACE IN MEMORY	
*ERR: EMPTY OR WRONG EPROM	
*ERR: TRANSMISSION (WRONG DATA)	
*ERR: TRANSMISSION (MALFUNCTION)	

ERROR LIST IN MODE:	INP, AUT, MAN, SER	
DISPLAY	REMARKS	<u></u>
		- <u></u>
PF - SWITCH OFF MACHINE SHORTLY!	SWITCH POWER SUPPLY OFF AND ON AGAIN	

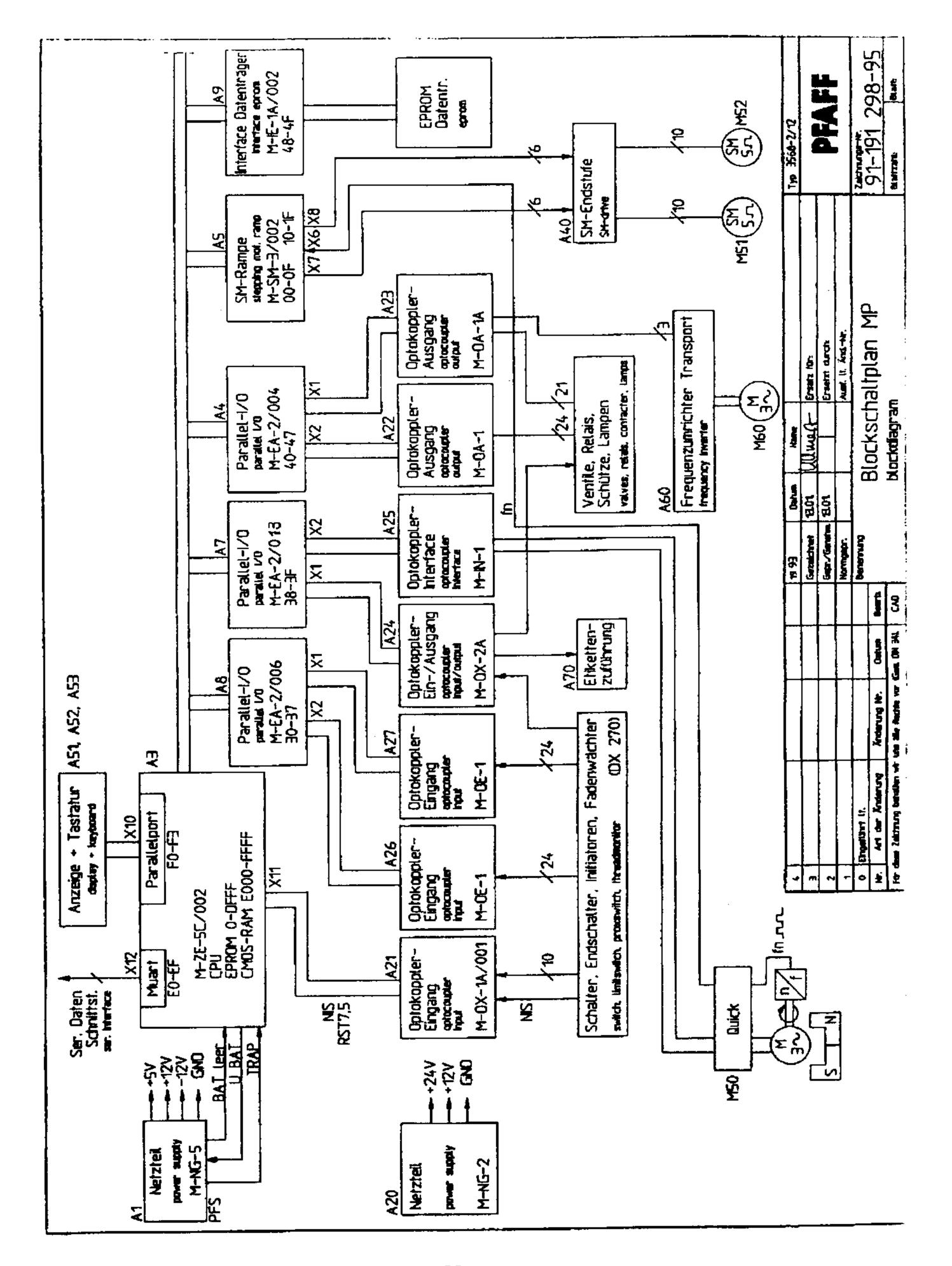


Wireing connections for the interface cable used on the Pfaff System 3000 program unit

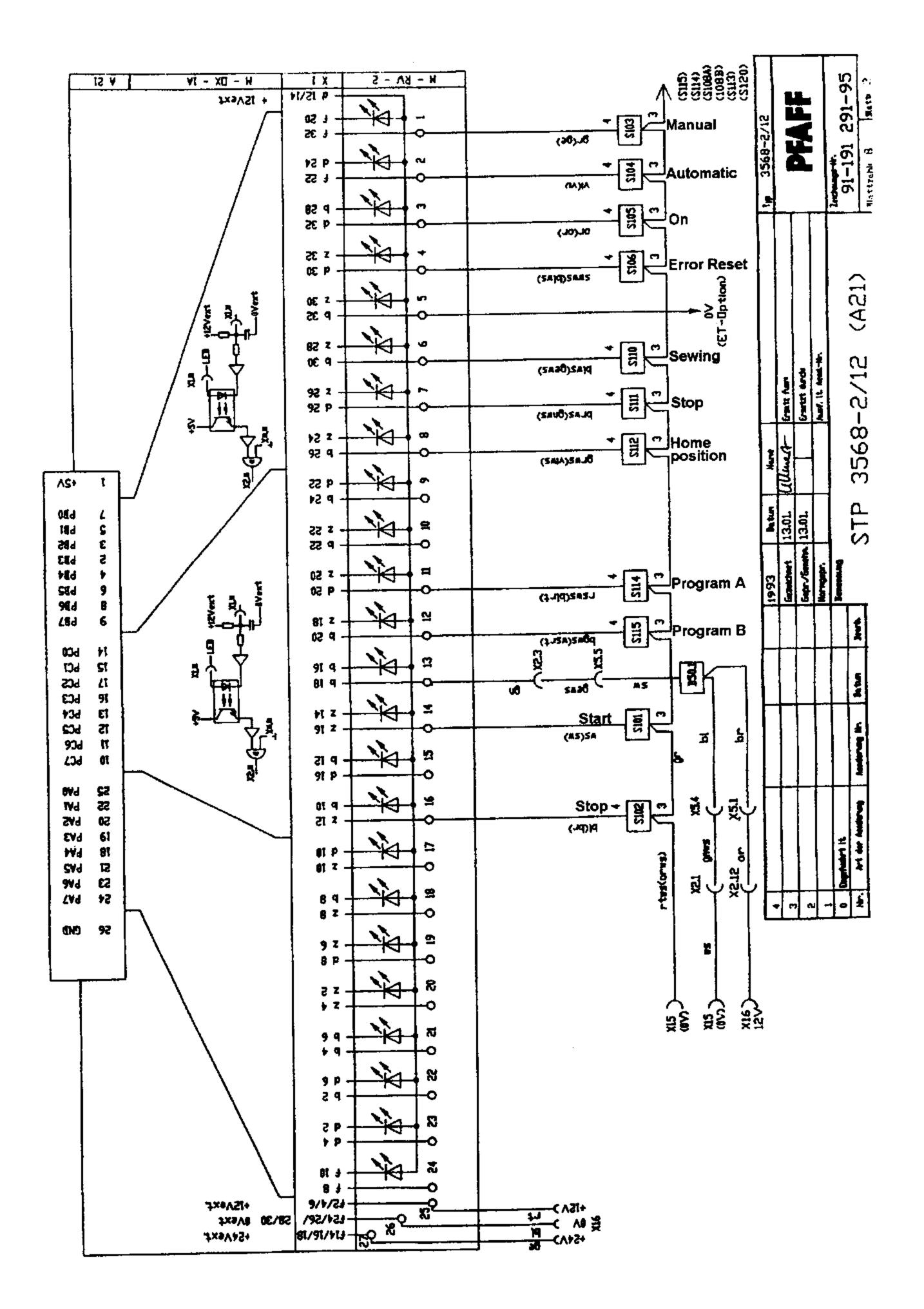
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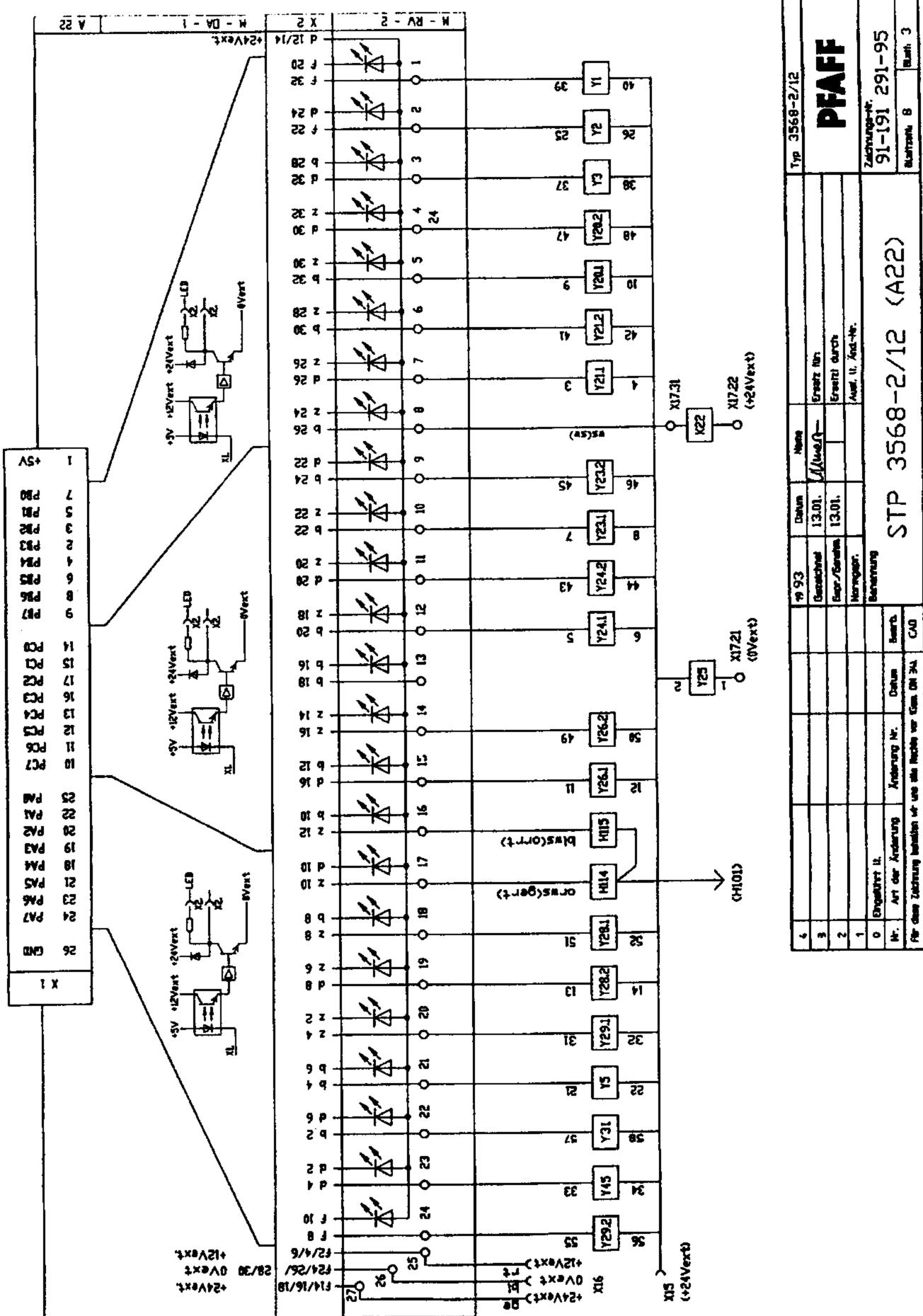
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ROM SWITCHES		Stop Start NIS Program B Program A	Home position Step Sewing Error reset On Auto Manual	<u> </u>	358-272 PFAFF 91-191 291-95 91-191 291-95 144 8 1
INPUT FROM MANUAL SWI AZI	ភ ិលិសិភ្លាខ្លាំង	9812202128 Sign 12 Sign 12 Sig		switch (mechanical or megnet) KASTEN = reset or cold start switch (proximity or sensor) SMOK = stepping motor OK KONTIN = continuos iod	
OUTPUT BOARD	7292 7292 7591 7591 7591 7592 7591 7592 7591 7592 7592 7592 7592 7592 7592 7592 7592	11 12 13 13 14 15 15 15 15 15 15 15 15 15 15 15 15 15	10044648		
PUT BOARD	HIOS HIOS HIOS HIOS HIOS HIOS HIOS HIOS	81 81 82 84 84 84 84 84 84 84 84 84 84 84 84 84	Y50.2 Y50.1 SPVIUT Y11 Y10		STP 3
	Y70 Y70 H120 ETSTART 19	あおは あれ い よ い よ い し い し い し い し い し い し い し い し	SI20 ETINKL ETERR		
	1.28%%%%	あおおはおしゅう	のこららすうの~		
INTERFACE BOARD OUTPUT BOARD	+IZV NM FM.SCHN	POS.2 Mot.dr. Fa + PFA Ext.dr.	570P 570P N = F(U) 0V		Ambrueg IF. Petru
	ಸೆ ನಿನಿನನಿಲಿ ಹಿರಿ	おむ ∡ದ ದ ⊐=∞	00~900 4 090	S = input H = ight K = relay C = solen	
INPUT BOARD	828.3 \$1084 \$31.1 \$31.2 \$31.2 \$31.2 \$31.2 \$31.2 \$31.2 \$31.2 \$31.2	828.4 828.4 827.1 827.1 827.1 827.1 827.1 827.1 826.1 826.1 826.1 826.1 826.1 826.2	S232 S202 S202 S202 S202 S202 S202 S202		
	**********	3 8 ≆ 88 ²	∞~vn≁nu-		
INPUT BOARD	S29.2 S29.2 S29.1 S29.1 S29.1 S29.1 S29.1 S29.1 S29.1 S29.2 S20.2	SPGTST KASTEN S99 S50 B52.3 B52.3 B52.3	851.1 851.2 851.1 851.2 8551.2 85551.2 85551.2 85551.2 85551.2 85551.2 85551.2 85551.2 85551.2 85551.2 85551.2 85551.2 855551.2 855551.2 8555555555555555555555555555555555555		
INPU A27	*222222	⊼ ದ∓ದನ≍80	@r\9674004		
input Board A28	నే నినినానిపిజింది	정진국교급⊐급♥	യ ംഗ വം പ		

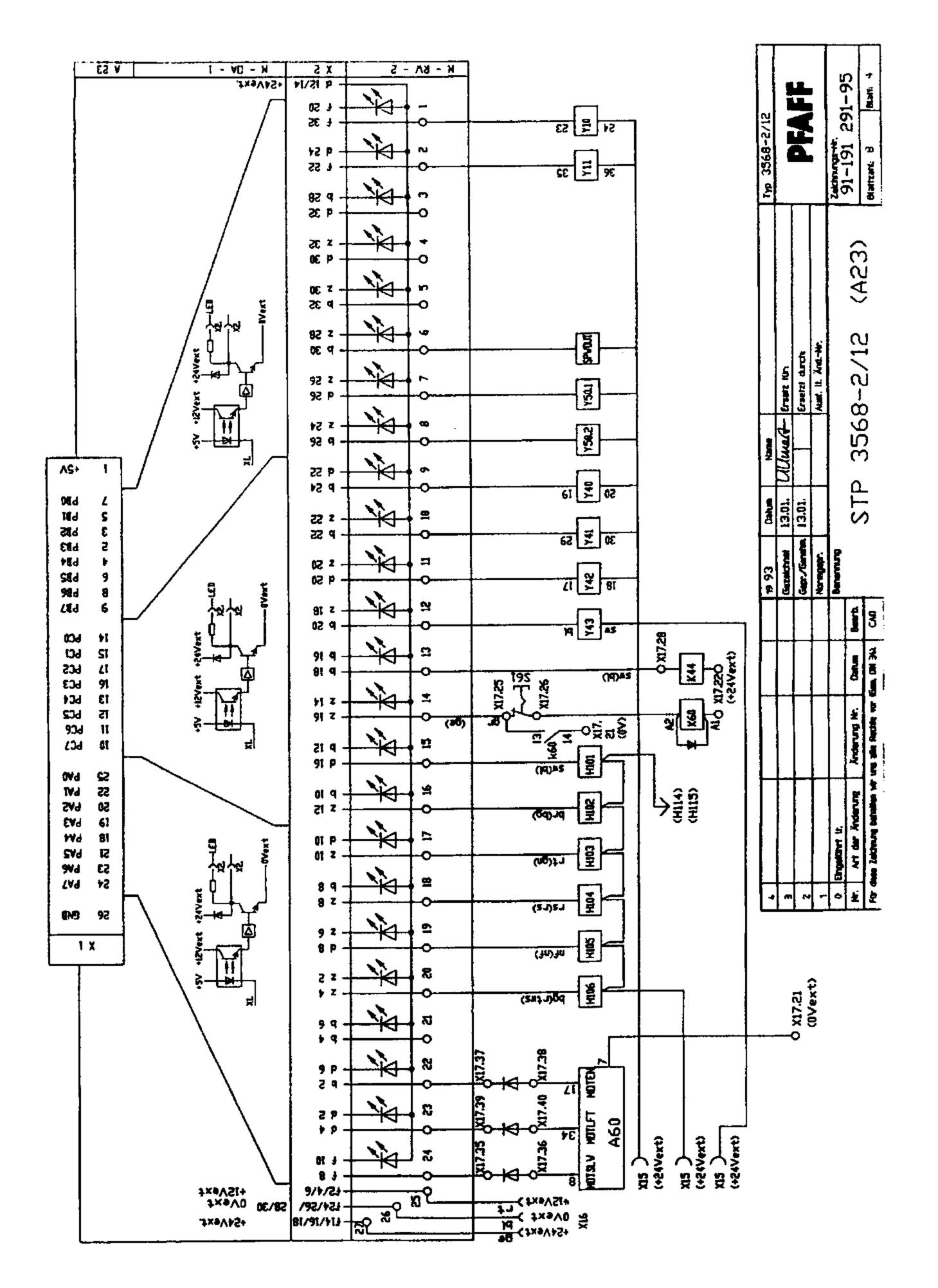


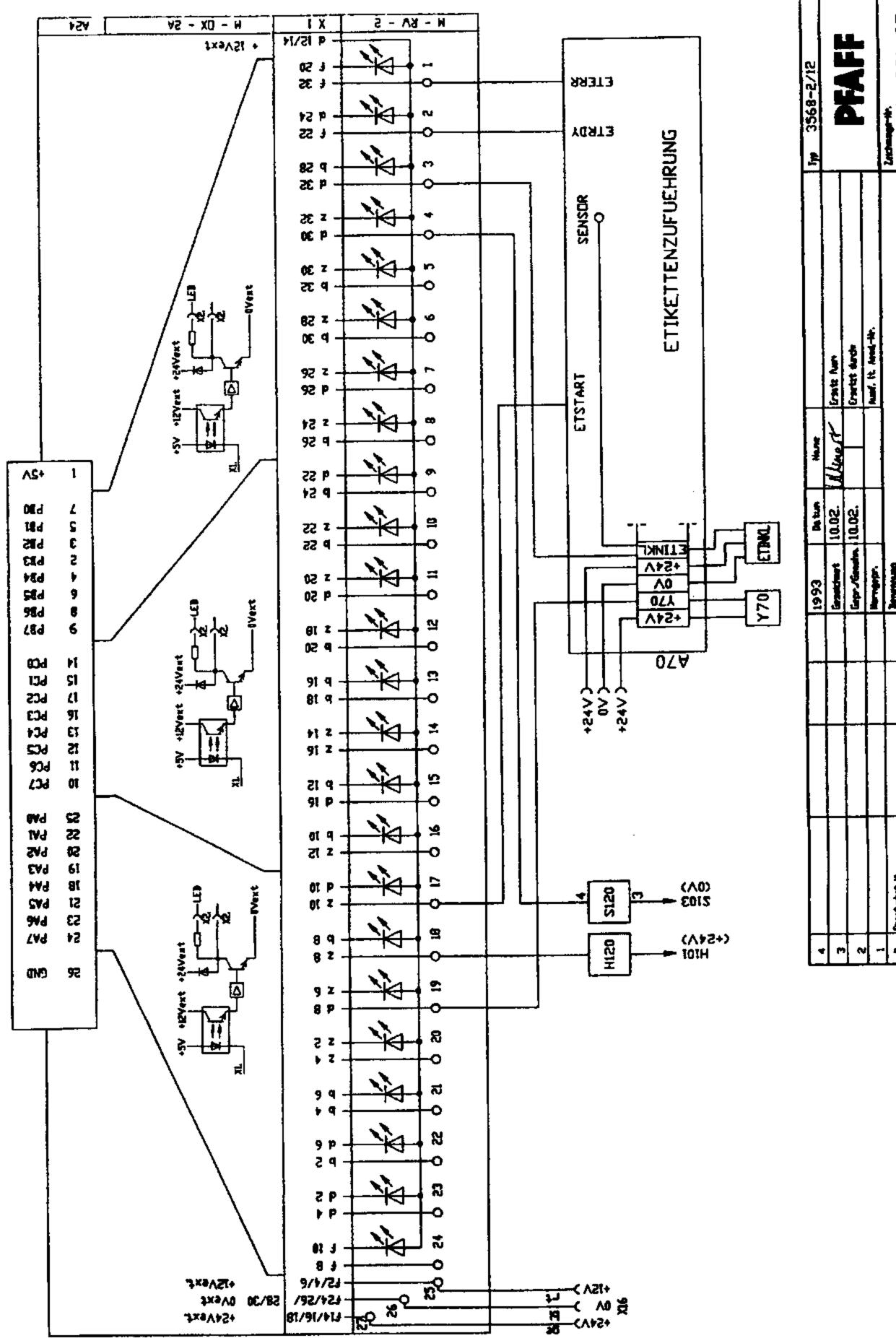
Circuit diagrams



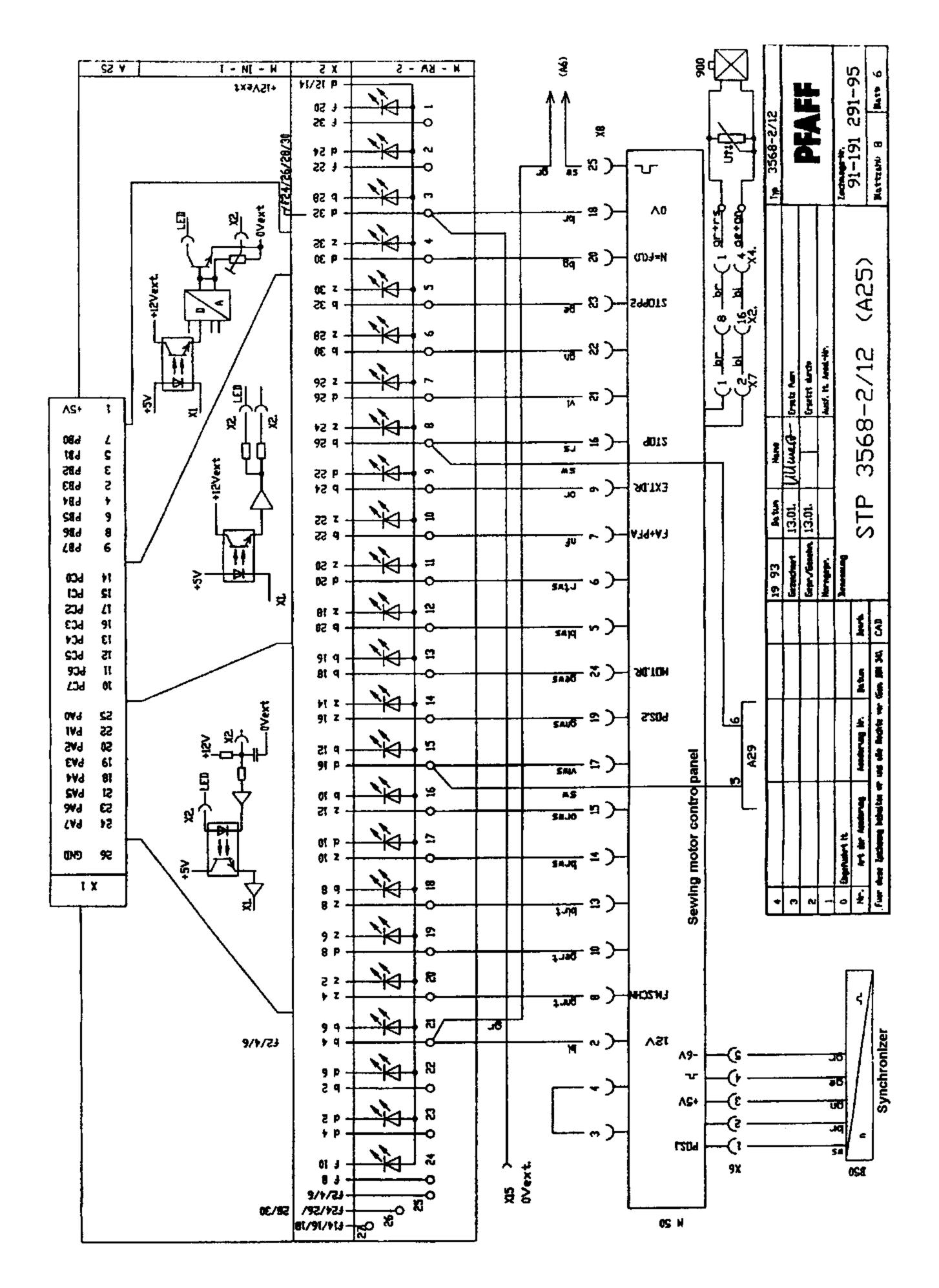


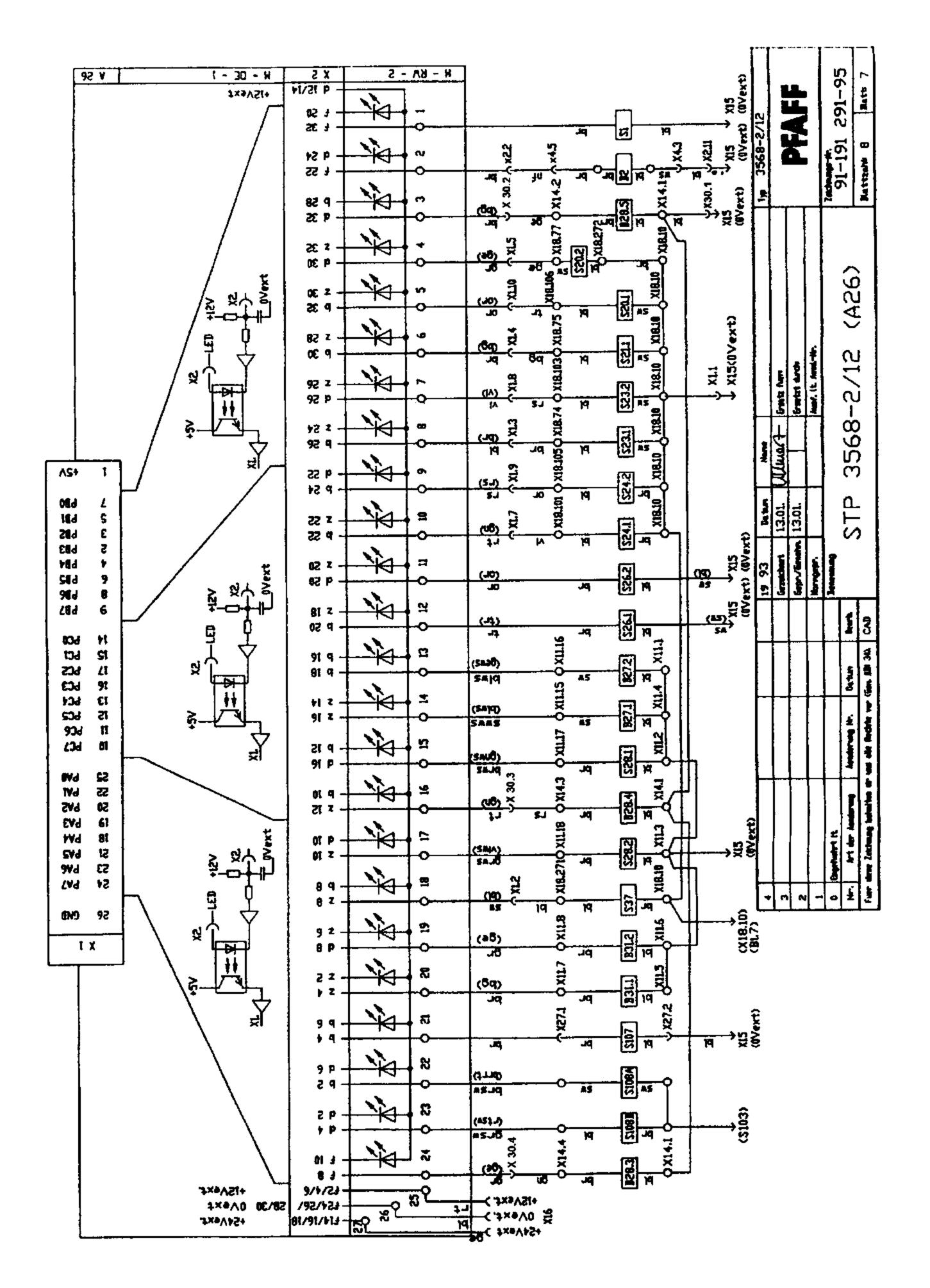
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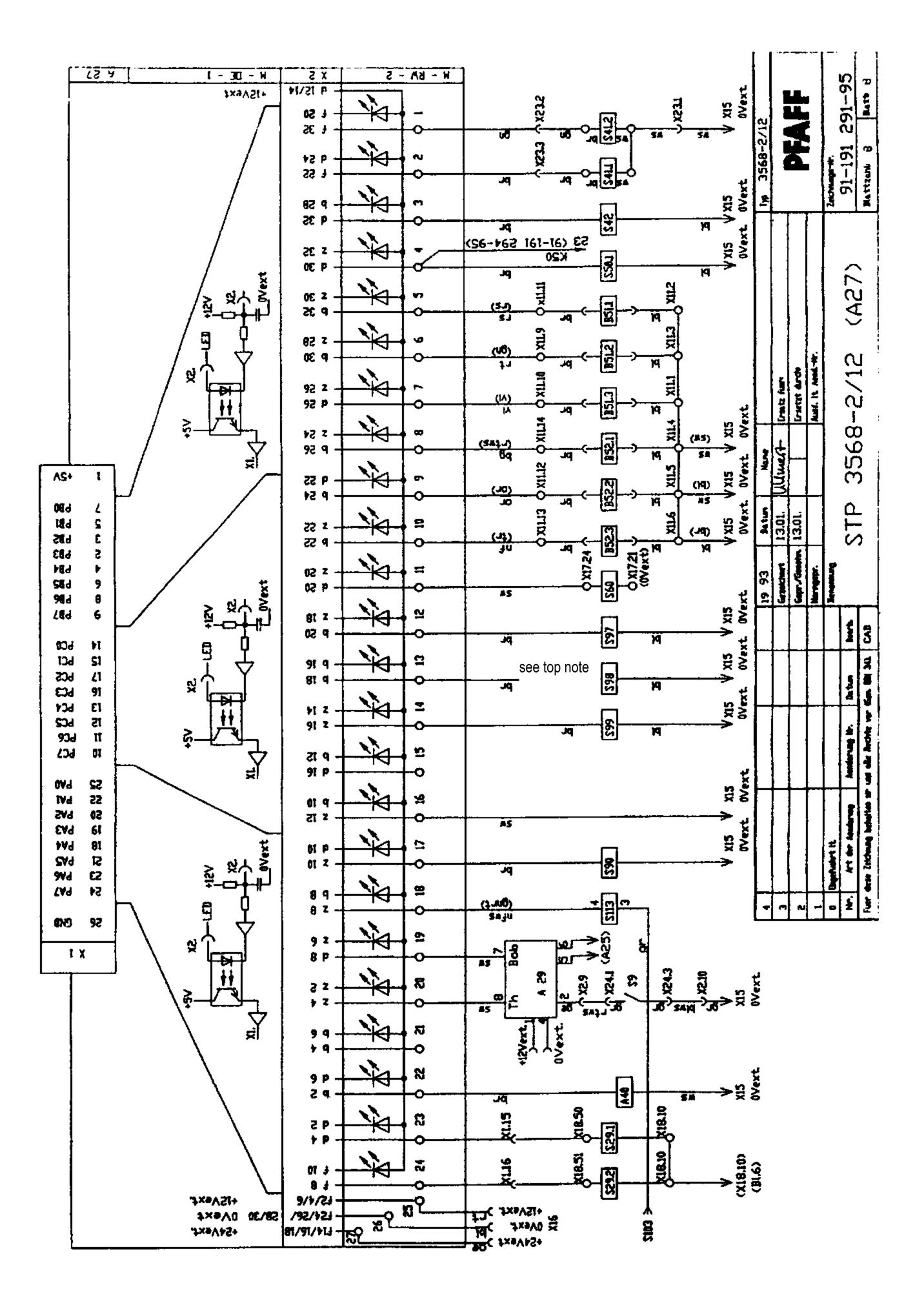




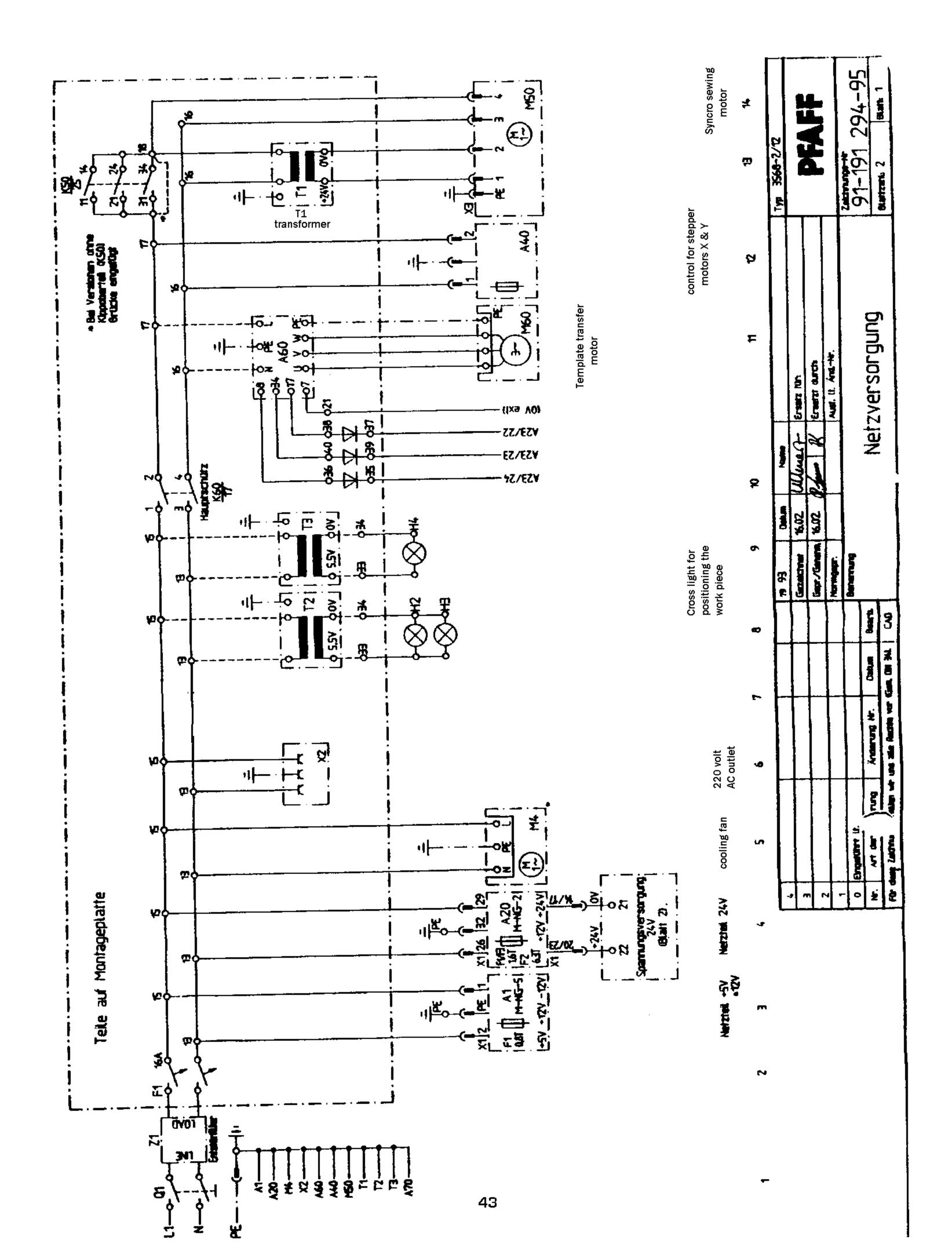
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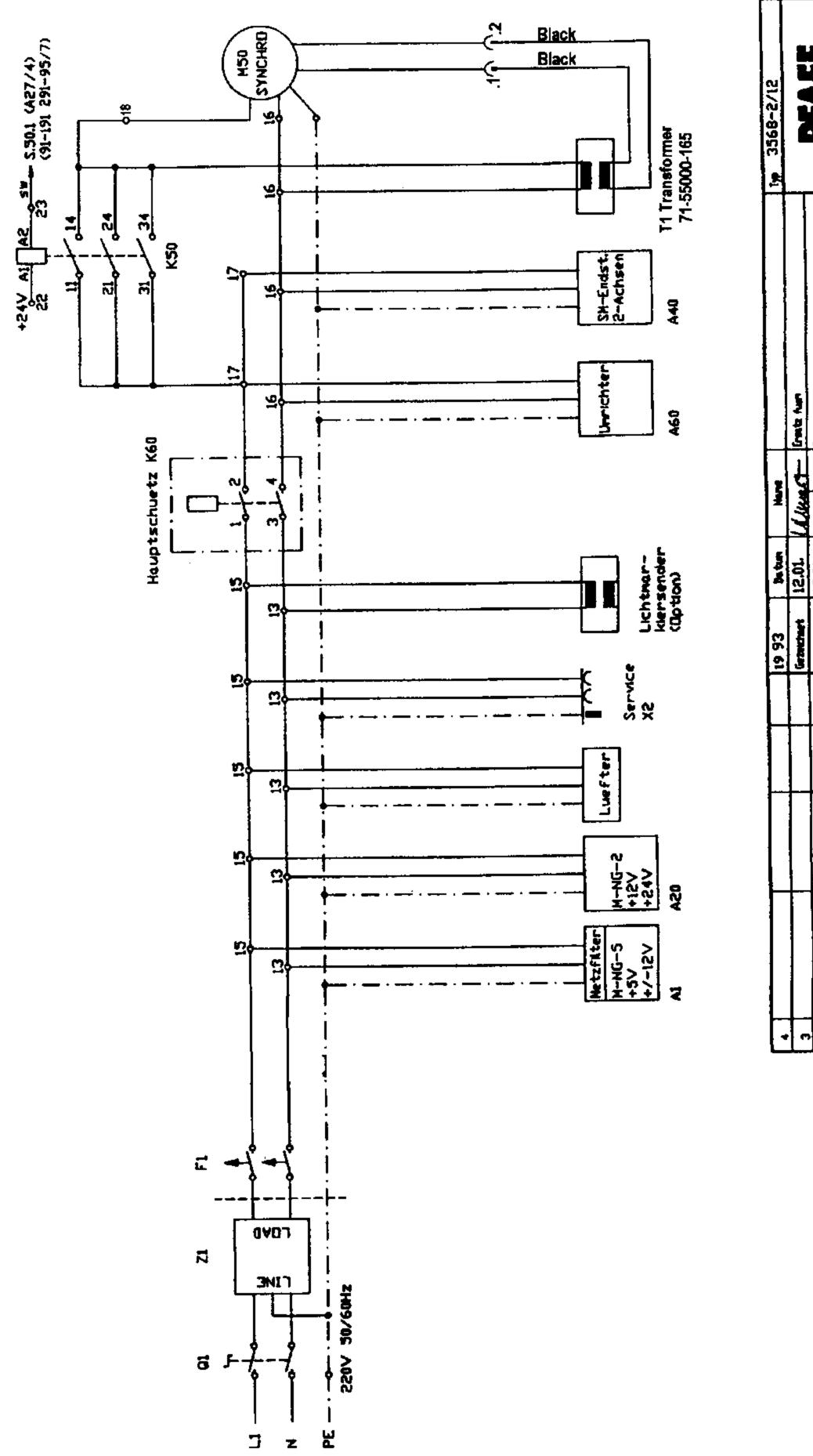


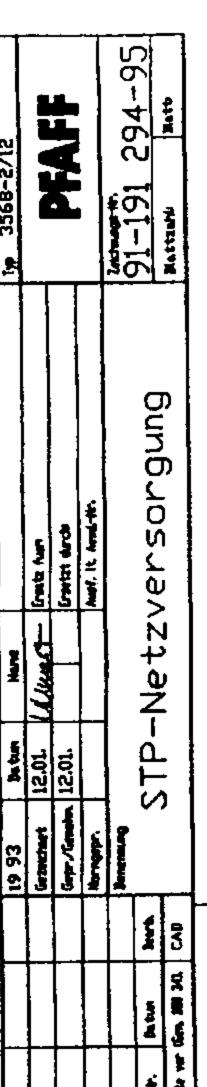




S98 switch also turns on the bobbin light. the brown wire goes to 0 volt, the blue wire goes to the light and the black wire goes to the A27 input.



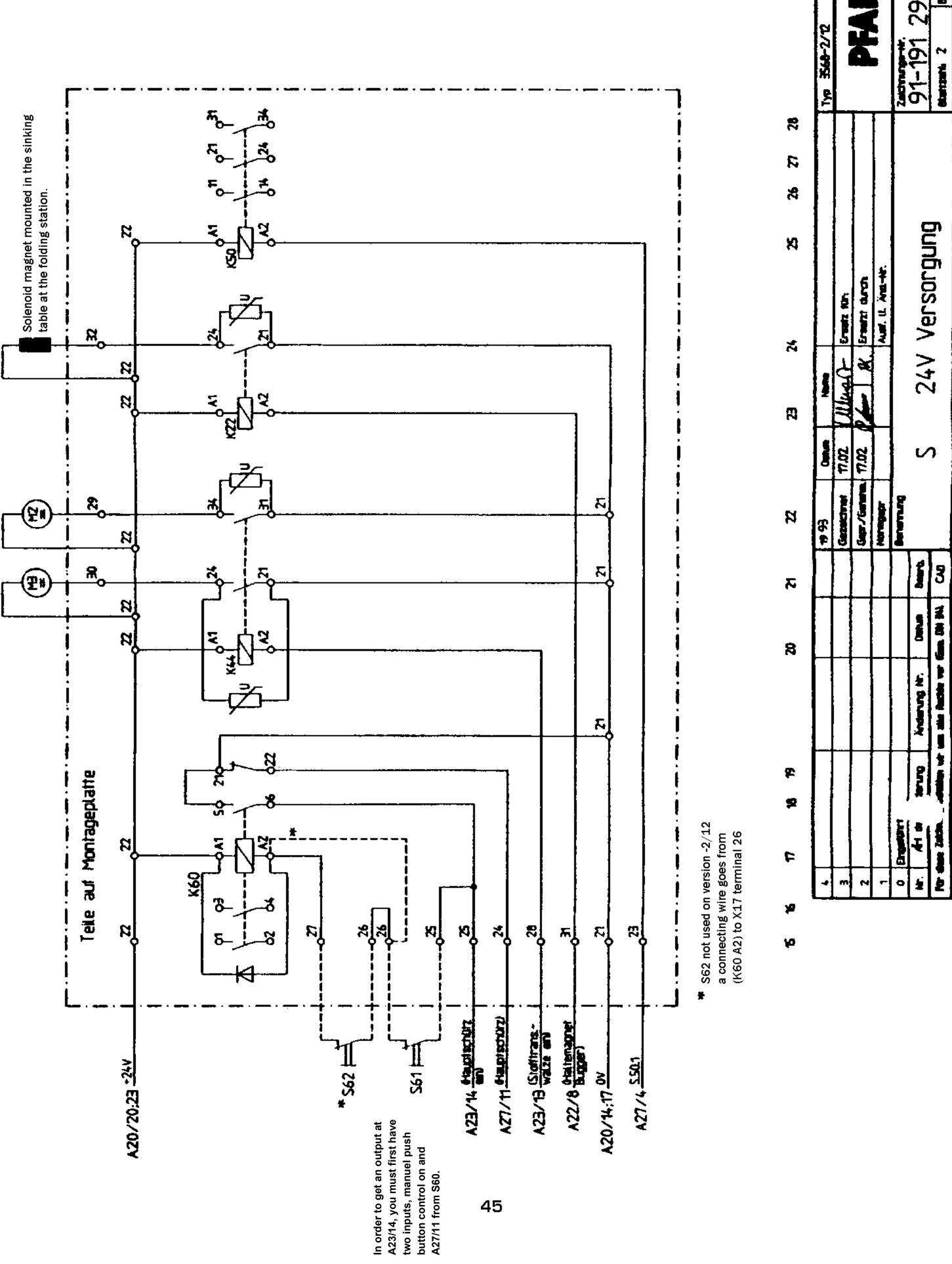


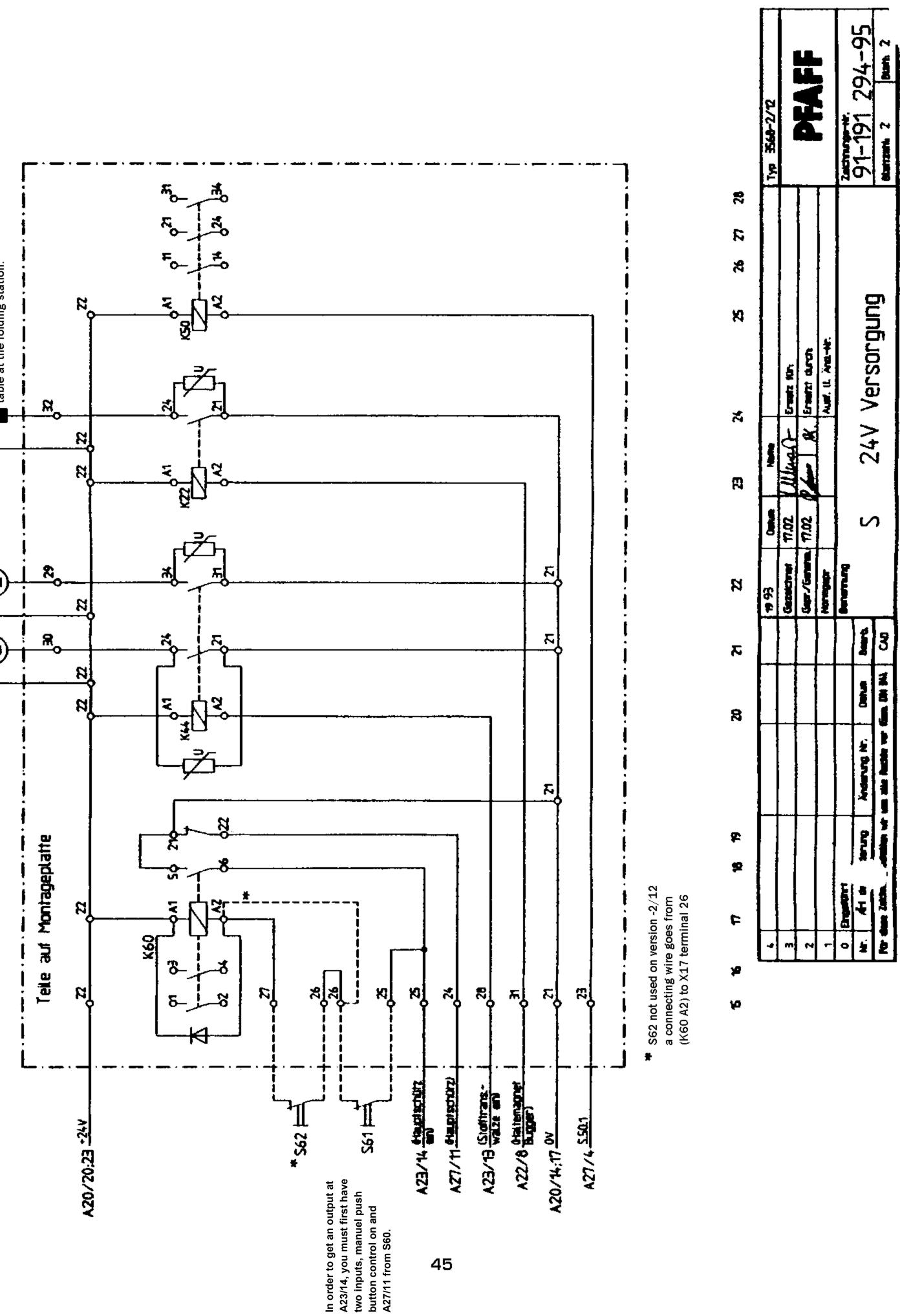


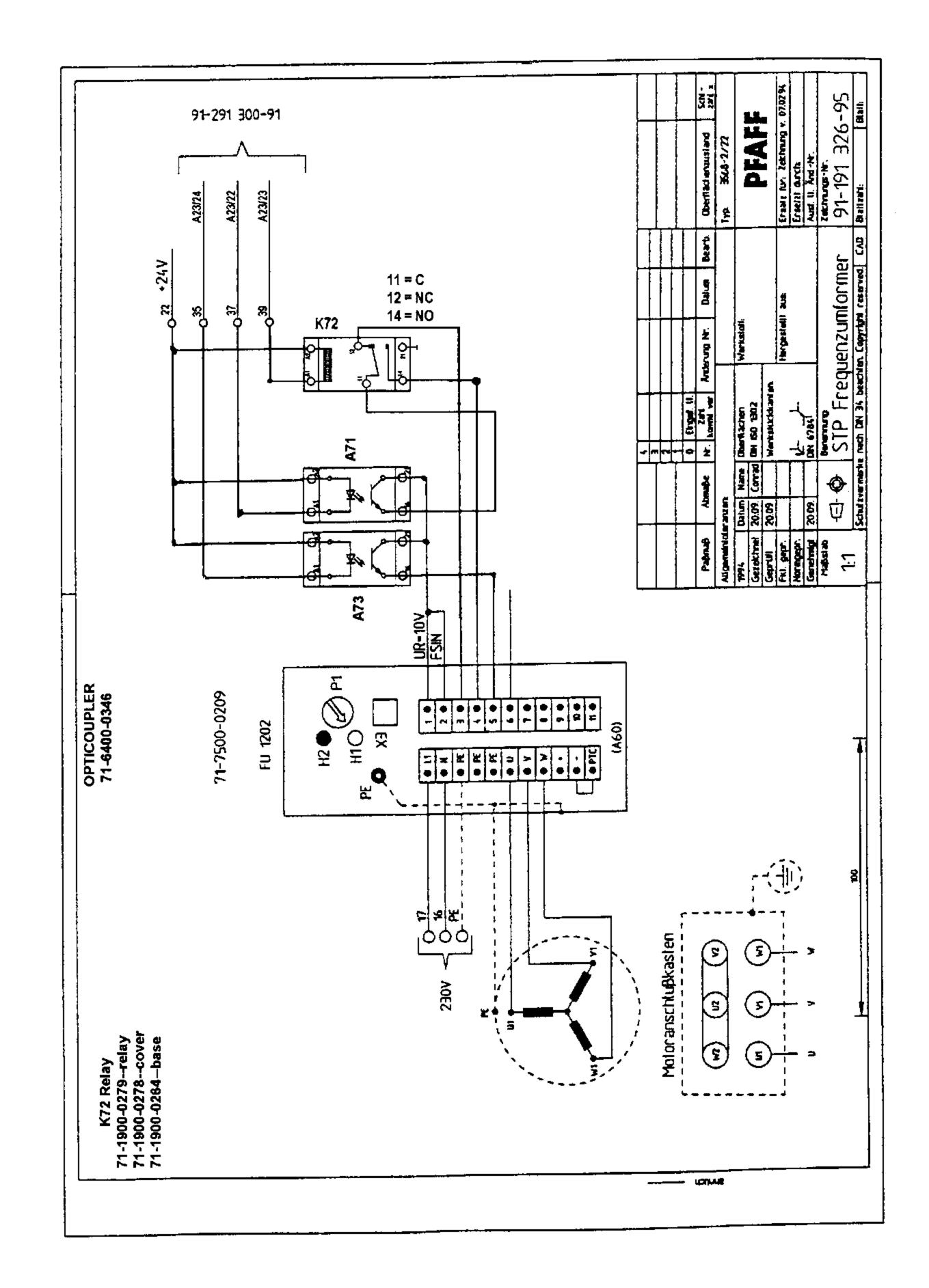
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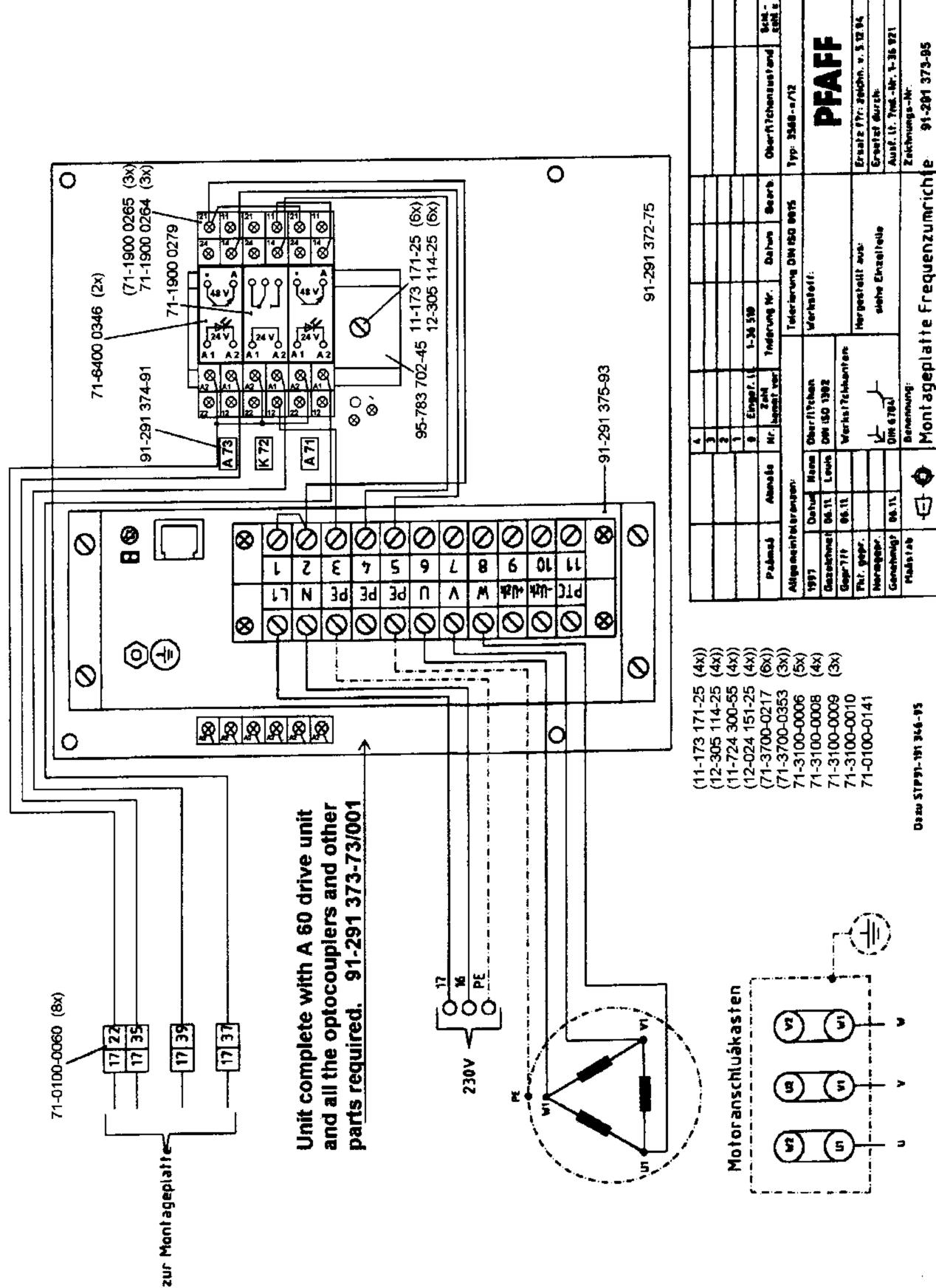
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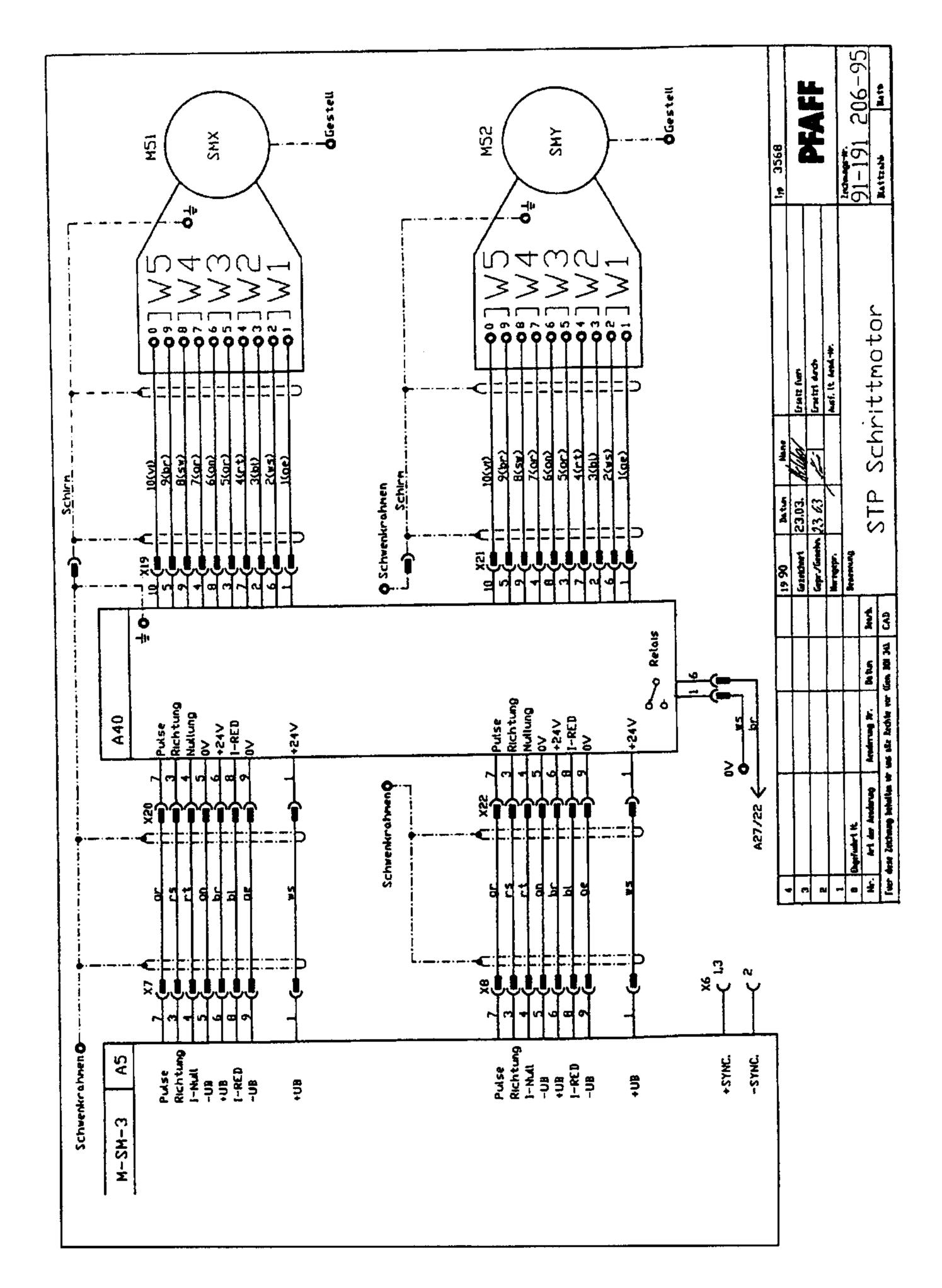


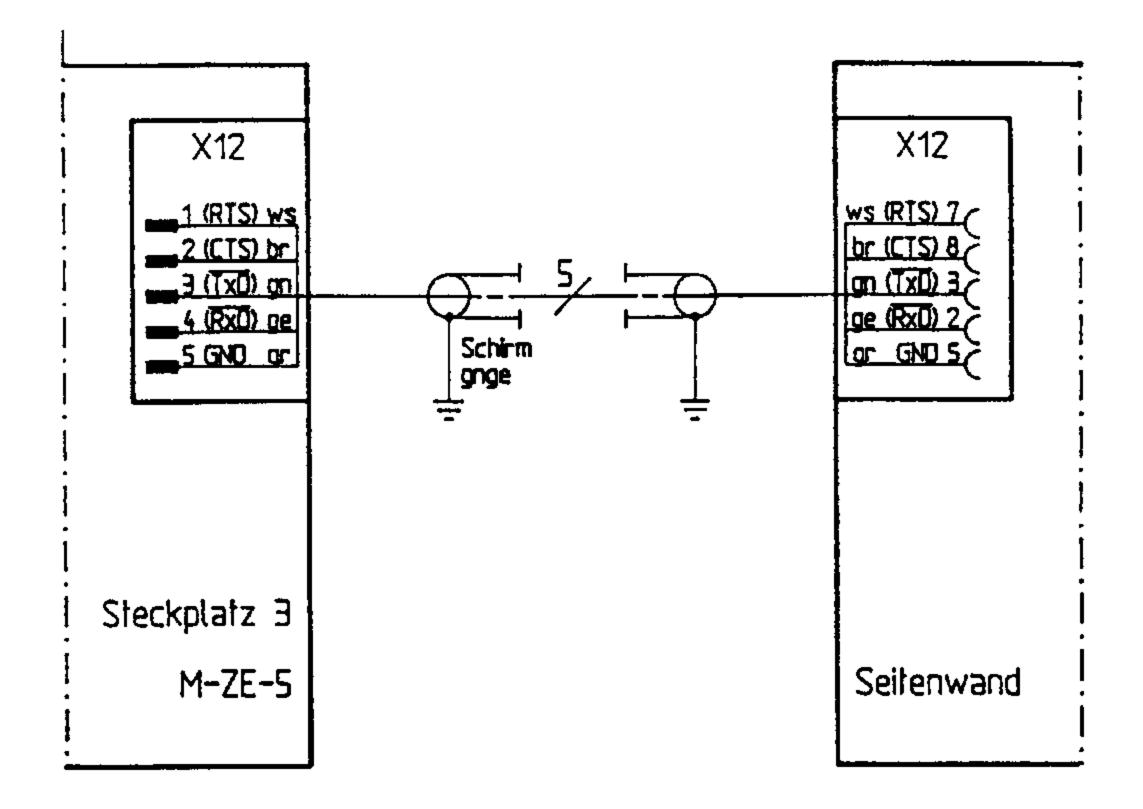




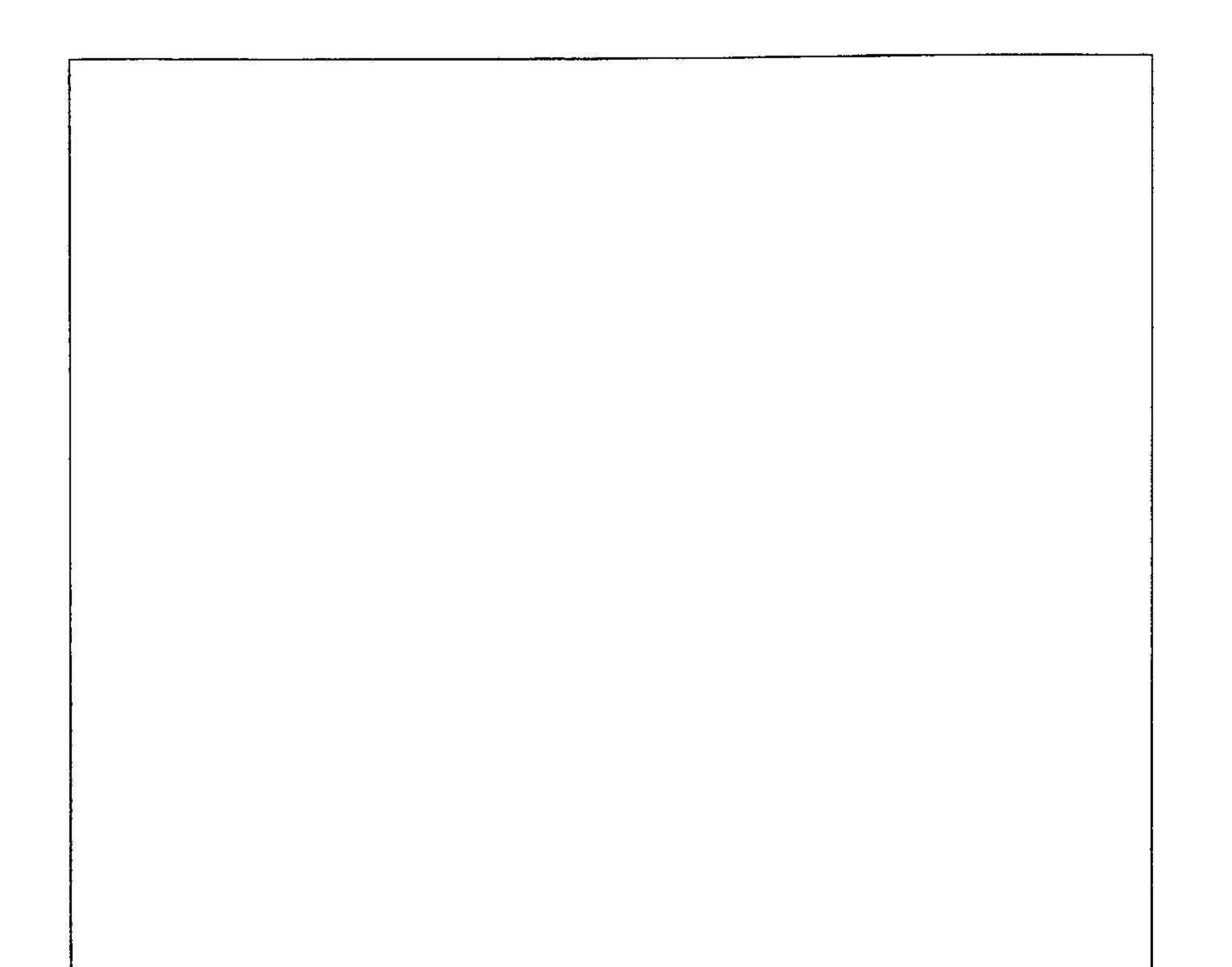
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Component list

Pfaff 356	8	Blatt: 1
Part	Used for	
A0	Solid state circuit board SMP - BUS	
A 1	Solid state circuit board, power pack	
A3	Solid state circuit board CPU	
A 4	Solid state circuit board parallel-I/O	
A 6	Solid state circuit board parallel-I/O	
A5	Solid state circuit board, stepping motor ramp	

A8	Solid state circuit board parallel-1/O
A9	Solid state circuit board interface eprom data carrier
A20	Solid state circuit board, power pack
A21	Solid state circuit board, optocoupler inputs, outputs
A22	Solid state circuit board optocoupler outputs
A23	Solid state circuit board, optocoupler outputs

Pfaff 3568		Blatt: 2
Part	Used for	
A24	Solid state circuit board, optocoupler inputs/outputs	
A25	Solid state circuit board, optocoupler interface, sewing motor	
A26	Solid state circuit board, optocoupler inputs	
A27	Solid state circuit board, optocoupler inputs	
A28	Solid state circuit board, optocoupler inputs	
A29	Solid state circuit board thread monitor	

.

A51 Solid state circuit board, interface keyboard display

A52 Solid state circuit board, keyboard

A53 Solid state circuit board, display unit

A60 Frequency converter

A70 Label feeder

B2 -900 not in basic position

Pfaff 3568		Blatt: 3
Part	Used for	
B26.1	Jig down (Sewing template)	
826.2	Jig up (Sewing template)	
B 27.1	Feed forward (template transfer)	
B2 7.2	Feed back (template transfer)	
B28.3	Locating pins,feed off (left) (template changeover for transfer off)	
828.4	Locating pins, feed, on (template changeover for transfer on)	
B28.5	Locating pins, feed, off (right) (template changeover for transfer off)	

B 31.1	Feed prior to sewing position (ramp down on)	(template transfer)
B31.2	Feed prior to folding position (ramp down on)	(template transfer)
B50	Synchronizer	
850 .1	Needle Into fabric	
851.1	Zero position SM X	
B51.2	End position + SM X	

Pfaff 3568		Blatt: 4
Part	Used for	
 B51.3	End position - SM X	<u> </u>
B52.1	Zero position SM Y	
852.2	End position + SM Y	
B52.3	End position - SM Y	
BOBERR	Bobbin thread disturbance	
ET	Label feeder fitted	

ETINKL Label in clamp

ETRDY Label feeder ready

ETERR Label feeder error

ETSTART Label feeder start

EXTDR External speed on

F1 Main fuse

F2 Fuse power pack (A20)

c

Pfaff 3568		Blatt: 5
Part	Used for	
F3	Fuse power pack (A1)	
-4	Fuse stepping motor - final stage (A40)	
FA+PFA	Autom. presser foot lift "on"	
FMSCHN	Cutting finished	
H101	Lamp "start"	
H102	Lamp "stop"	

H103 Lamp "manual"

H104 Lamp "automatic"

H105 Lamp "control on"

H106 Lamp "error reset"

H114 Lamp "program A"

H115 Lamp "program B"

H120 Lamp "label transfer"

Pfaff 3568		Blatt: 6
Part	Used for	
К22	Retaining solenoid, folder	
K40	Puller up (option)	
K44	Stacker roller on	
K60	Main contactor on	
KASTEN	Enable cold start	
KONTIN	Enable continuous	

M2 Stacker feed roller

M3 Puller motor

M50 Sewing motor

M51 Stepping motor, X-axis

M52 Stepping motor, Y-axis

M60 Feed drive motor

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Pfaff 3568		Bi	att: 7
Part	Used for		
MOTDR	Motor turns		
MOTEN	Release feeding motor		
MOTLFT	Feeding motor turning left		
MOTSLW	Feeding motor slow		
NM	Sewing motor		
N=F(U)	Speed control, sewing motor		

POS1 Position 1 attained

POS2 Position 2 attained

Q1 Master switch

S1 Presser foot up

S9 Needle thread monitor

S20.1 Pocket plate back

S20.2 Pocket plate forward

Pfaff 3568		Blatt: 8
Part	Used for	
S20.3	Pocket plate down	
S21.1	Pocket holder up	
S23.1	Folding unit up	
S23.2	Folding unit down	
S24 .1	Edge folders back	
S24.2	Edge folders forward	

S26.2 Template up

S27.1 Feed forward

S27.2 Feed back

S28.1 Indexing sewing on

S28.2 Indexing sewing off

S29.1 Folding station front

Pfaff 3568		Blatt: 9
Part	Used for	
S29.2	Folding station rear	
S37	Piate up	
S38	Pocket plate swung in	
S39	Folding unit swung in	
S41.1	Puller up	
S41.2	Puller down	

S42 Stacker forward

S50.1 Sewing head down

S60 Main contactor off

S61 Emergency stop

S62 Emergency stop

S70.1 Label feeder top

S70.2 Label feeder bottom

Pfaff 3568		Blatt: 10
Part	Used for	
S80	Label magazine empty	
S90	Safety control disabled	
S97	Pressure monitor	
S98	Safety guard rear	
S99	Carriage cover closed	
S101	Key "start*	

S103 Key "manual"

.

S104 Key "automatic"

S105 Key "control on"

S106 Key "error reset"

S107 Pocket plate down

S107 Foot switch "pocket plate front"

Pfaff 3568		Blatt: 11
Part	Used for	
S108A	Key "folding unit start"	
S108B	Key "folding unit start"	
S109	Key "clamping cylinder retracted"	
S110	Key "sewing"	
S111	Key "push button"	
S112	Key "delete"	
S113	Key "no sewing"	

S114 Key "program A"

S115 Key "program B"

S120 Key "bring label"

SGRD Carriage in basic position

SMOK Stepping-motor end phases o.k.

SPGTST Power supply +12 V external

Pfaff 3568		Blatt: 12
Part	Used for	
SPWOUT	Bobbin change	
STOP	Stop without position	
STOP P1	Stop, 1st position	
STOP P2	Stop, 2nd position	
THERR	Needle thread disturbance	
X1.	Plug-in connection for folding unit	

X3. Plug-in connection, synchronizer sewing head

Plug-in connection for sewing head

- X4. Plug-in connection, -900 at sewing head
- X5. Plug-in connection B50.1

X2.

- X6. Plug-in connection, synchronizer Quick
- X7. Piug-in connection, -900 Quick
- X8. Plug-in connection control signals Quick

Pfaff 3568	3	Blatt: 13
Part	Used for	
X 9.	Plug-in connection S1 (presser foot)	
X10	Terminal strip in distributor, jig feed	
X 11.	Terminal strip in distributor, carriage	
X12.	Plug-in connection, serial interface Prog.	
X 1 3 .	Plug-in connection serial interface CPU	
X14.	Terminal strip in distributor at jig	

X17. Terminal strip, control box, contactor board

X18. Terminal strip in folding unit

X19. Plug-in connection, stepping motor x-drive

X20. Plug-in connection, control x-drive

X21. Plug-in connection, stepping motor y-drive

Pfaff 3568		Blatt: 14
Part	Used for	
X22 .	Plug-in connection, control y-drive	
X23 .	Plug-in connection, puller	
X24.	Push-in connection, thread monitor	
X 27.	Plug-in connection for foot switch	
X28.	Plug-in connection for small part stacker (mains)	
X29 .	Plug-in connection for small part stacker (signal)	

Y1 Presser foot down

Y2 Cutting "on"

Y3 Air blast, needle cooling

Y5 Thread puller engaged

Y10 Zigzag engaged

Y11 Increase of thread tension

Pfaff 3568		Blatt: 15
Part	Used for	
Y20.1	Pocket plate backwards	
¥20.2	Pocket plate forwards	
¥21.1	Pocket holder upwards	
Y21.2	Pocket holder downwards	
Y23.1	Folding unit and table up	
Y23.2	Folding unit and table down	

Y24.1 Edge folders backwards

Y25 Positioning pins upwards

Y25 Suction folding station on (only for 3568-2/12)

Y26.1 Jig downwards

Y26.2 Jig upwards

Y27.1 Feed forwards

Pfaff 3568		Blatt: 16
Part	Used for	
¥27.2	Feed backwards	
Y28.1	Locating pin sewing	
¥28.2	Locating pins, feed	
Y29.1	Folding station forward	
Y29.2	Folding station backward	
Y30	Clamping cylinder, folding unit, extend	

Y40 Fabric feed roller (not for 3568-1/12)

Y40 Suction fabric feed roller on (only for 3568-1/12)

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Y41 Puller down

Y42 Stacker forward

Y43 Air blast, stacker

Y45 Air blast, auxiliary fabric feed

Pfaff 3568		Blatt: 17
Part	Used for	
Y46.1	Turning cylinder, puller, right	
Y46.2	Turning cylinder, puller, left	
Y50. 1	Sewing head down	
Y50.2	Sewing head up	
V70	Labol fooder elementre	
Y70	Label feeder clamp pressure	

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Pfaff 3568			Blatt: 19
Part	Description	. <u> </u>	Part number
A0	Solid state circuit board	M-BU-7	91-094 453-93/001
A 1	Solid state circuit board	M-NG-5	91-094 753-91
A3	Solid state circuit board	M-ZE-5C	91-094 521-93/002
A 4	Solid state circuit board	M-EA-2	91-092 767-93/004
A5	Solid state circuit board	M-SM-3	91-093 459-93/002
A7	Solid state circuit board	M-EA-2	91-092 767-93/005
A8	Solid state circuit board	M-EA-2	91-092 767-93/006

A 9	Solid state circuit board	M-IE-1A	91-093 331-93/002
A 20	Solid state circuit board	M-NG-2	91-093 329-91
A21	Solid state circuit board	M-OX-1A	91-093 330-93/001
A22	Solid state circuit board	M-OA-1	91-092 323-91
A23	Solid state circuit board	M-OA-1 (not for 3568-1/12)	91-092 323-91
A23	Solid state circuit board	M-OA-1A (only for 3568-1/12)	91-094 878-91

Pfaff 3568			Blatt: 20
Part	Description		Part number
A24	Solid state circuit board	M-OX-2A	91-290 916-91
A25	Solid state circuit board	M-IN-1	91-092 490-91
A26	Solid state circuit board	M-OE-1	91-092 321-91
A 27	Solid state circuit board	M-OE-1	91-092 321-91
A29	Solid state circuit board	DX 270 (mechanical)	91-094 591-93/001
A29	Solid state circuit board	DX 270A(visual)	91-094 792-93/001
			71-75 00-0173

A 51	Solid state circuit board	91-094 419-91
A52	Solid state circuit board	91-094 541-93/001
A53	Solid state circuit board	91-093 929-91
A6 0	Control unit (only for 3568-1/12; -2/12)	71-7500-0149
A70	Control unit	
B 2	Proximity switch (only for 3568-2/12)	71-13 00-0448

Pfaff 3568		Blatt: 21
Part	Description	Part number
B26 .1	Proximity switch	71-13 00-0448
B26.2	Proximity switch	71-13 00-0448
B27 .1	Proximity switch	71-63 00-0202
B27.2	Proximity switch	71-63 00-0202
B28.3	Proximity switch	71-13 00-0448
828.4	Proximity switch	71-13 00-0448
B28.5	Proximity switch	71-13 00-0448

.

B31.1	Proximity switch	71-63 00-0202
B31.2	Proximity switch	71-63 00-0202
B50	Proximity switch	71-14 00-0041
B50.1	Proximity switch	91-290 120-91
B 51.1	Proximity switch	71-13 00-0473 (71-13 00-0483 m. Fastenan.)
B51.2	Proximity switch	71-13 00-0473 (71-13 00-0483 m. Fastenan.)

Pfaff 3568		Blatt: 22
Part	Description	Part number
B51. 3	Proximity switch	71-13 00-0473 (71-13 00-0483 m. Fastenan.)
B52.1	Proximity switch	71-13 00-0473 (71-13 00-0483 m. Fastenan.)
B52.2	Proximity switch	71-13 00-0473 (71-13 00-0483 m. Fastenan.)
B52.3	Proximity switch	71-13 00-0473 (71-13 00-0483 m. Fastenan.)
F1	Automatic cut-out 16A	71-1 5 00-0082
F2	Fuse T1,6	70-15-24-0018
F3	Fuse T0,8	70-15 24-0015

F4	Fuse	T8	70-15 15-0025
F5	Fuse	T1	70-15 15-0016
H1	Light bulb		70-25 21-7234
H101	Light bulb		71-25 00-0267
H102	Light bulb		71-25 00-0267
H103	Light bulb		71-25 00-0267

Pfaff 356	8	Blatt: 23
Part	Description	Teilenummer Part number N° de pièce N° de pieza
H104	Light bulb	71-25 00-0267
H105	Light bulb	71-25 00-0267
H106	Light bulb	71-25 00-0267
H114	Light bulb	71-25 00-0267
H115	Light bulb	71 -25 00-026 7
H120	Light bulb	71-25 00-0267
K22	Relay	71-19 00-0060

K22	Varistor	71-63 00-0058
K40 K44	Relay	71-19 00-0060
K40 K44	Varistor	71-63 00-0058
K60	Contactor	71- 19 00-0224
K60	Switching diodes	71-63 00-0159
M2	Motor	See pneum, parts list

Pfaff 3568		Blatt: 24	
art	Description		Part number
M 3	Motor		See pneum. parts list
v 150	Motor		See pneum. parts list
d 51	Motor		See pneum. parts list
4 52	Motor		See pneum. parts list
V 60	Motor		See pneum. parts list
Q1	Master switch	(only for 3568-1/12)	71-11 00-0308
Q1	Master switch	(not for 3568-1/12)	71-11 00-0307

S1	Solenoid switch	71-13 00-0479
S 9	Thread monitor	91-094 036-91
S20.1	Proximity switch	99-135 051-91
S20.2	Proximity switch	99-135 051-91
S20.3	Pneum./electr. converter	99-136 122-91
S21.1	Limit switch	71-12 00-0413

Pfaff 3568		Blatt: 25	\$
Part	Description	Part number	<u> </u>
S23 .1	Proximity switch	99-135 051-91	
S23.2	Proximity switch	99-135 051-91	
S24.1	Pneumatic/electrical converter	99-136 122-91	
S24.2	Pneumatic/electrical converter	99-136 122-91	
S26.1	Solenoid switch	71-13 00-0479	
S26.2	Solenoid switch	71-13 00- 0479	
S27 .1	Solenoid switch	99-135 051-91	

\$27.2	Solenoid switch	99-135 051-91
S28.1	Solenoid switch	71-13 00-0527
S28.2	Solenoid switch	71-13 00-0527
S29 .1	Solenoid switch	99-135 051-91
S29.2	Solenoid switch	99-135 051-91
S 37	Limit switch	71-12 00-0413

Pfaff 3568	8	Blatt: 26
Part	Description	Part number
<u></u>	Limit switch	71-12 00-0420
S41.1	Solenoid switch	71-13 00-0527
S41.2	Solenoid switch	71-13 00-0527
S42	Limit switch	71-12 00-0532
S50.1	Solenoid switch	99-13 5 051-91
S 61	Push-button	71-13 00-0497
S62	Push-button	71-13 00-0498

\$70.1	Push-button	71-13 00-0498
\$70.2	Push-button	71-13 00-0498
S80	Push-button	71-13 00-0498
S90	Push-button	71-13 00-0216
S97	Pressure monitor	95-629 723-71/993
S98	Limit switch	71-12 00-0413

Pfaff 356	8	Blatt: 27		
Part	Description	Teilenummer Part number Nº de pièce Nº de pieza		
<u> </u>	Limit switch	71-12 00-0413		
S101	Push-button	71-13 00-0374		
S102	Push-button	71-13 00-0374		
5103	Push-button	71-13 00-0374		
S104	Push-button	71-13 00-0374		
S105	Push-button	71-13 00-03 74		
S106	Push-button	71-13 00-0374		

S107	Limit switch		71-12 00-0413
S108A	Push-button	(only for 3568-2/12)	71-12 00-0413
			Plastic cap 71-13 00-0440
S108A	Limit switch	(only for 3568-2/12)	71-12 00-0439
S108A	Push-button	(not for 3568-1/12)	71-13 00-0374
S1088	Limit switch	(not for 3568-1/12)	71-12 00-0413
S109	Limit switch		71-12 00-0532

Pfaff 356	3	Blatt: 28
Part	Description	Part number
6110	Push-button	71-13 00-0374
S111	Push-button	71-13 00-0374
S112	Push-button	71-13 00-0374
S113	Push-button	71-13 00-0375
S114	Push-button	71-13 00-0374
S115	Push-button	71-13 00-0374
S120	Push-button	71-13 00-0374

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¥1	Solenoid valve	See pneum, parts list
Y2		
Y3		
Y5		
Y10		
Y11		
Y20.1		
Y20.2		
Y21.1	T 1 transformer 71-5500 0165	
Y21.2		
Y23.1		
Y23.2		
Y24.1		
Y24.2		
Y25		
Y26.1		
Y26.2		
Y27.1		
Y27.2		
Y28.1		
Y28.2		
Y29.1		
Y29.2		
Y30		
Y31		
Y40		
¥41		
Y42		
Y43		
Y45		

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Pfaff 3568		Biatt: 29
Part Description		Part number
 Y46.1		
Y46.2		
Y50.1		
Y50.2		

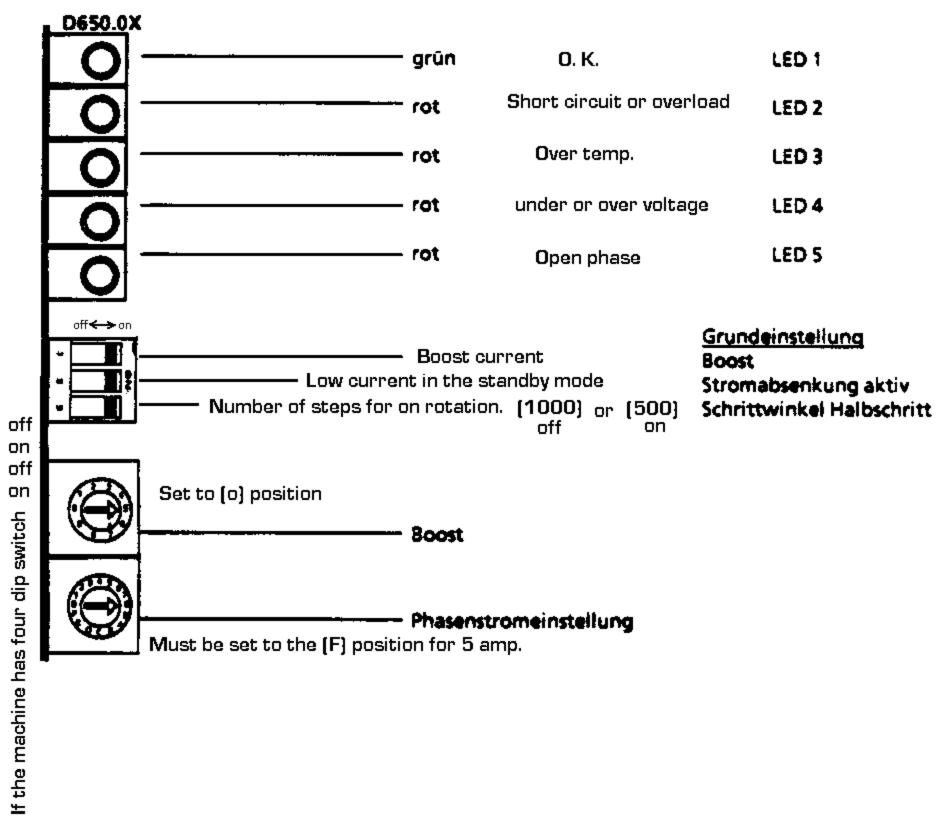
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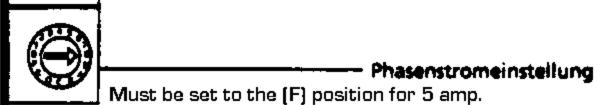
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Betriebsspannung	70 - 130 VDC ± 10%
Phasenströme einstellbar	2,0 - 5,0 A
Boost einstellbar	1,0 - 1,9xI _N (max.6A)
Anzeige für Bereitschafts- und Störungsanzeigen	LEDs
Drehschalter zur Einstellung des Boost	

Drehschalter zur Einstellung des Phasenstroms

1.4.2.2 Anzeige und Programmierschalter





Boost	1,0xI _N	1,1xI _N	1,2xi _N	1,3xI _N	1,4xI _N	1,5xi _N	1,6xi _N	1,7xI _N	1,8xI _N	1,9xi,
Stellung	0	1	2	3	4	5	6	7	8	9
1.4.3.3	Phasenstr	om (Ang	abe in A	- ·	otary dial sition	switch n	ust poior	nt to the		<u> </u>
	2,0	2,2	2,4	2,6 2,	8 3,0	3,2	3,4	36	3,8	
Stellung	0	1	2	3	4 5	6	7	8	9	
I (A)	4,0	4,2	4,4	4,6 4,	8 5,0					
Stellung	A	B	c	D	E F					
.4.3.4 S	tromabse	inkung				bottom r to the F	-	l switch r	nust point	;
Schalterstellung OFF								ON		
Pulsfrequenz	2	<10	Hz	>	10 Hz	<	<10 Hz >10 H		> 10 Hz	
Motorstrom	1	INenn x 0,6 INenn					Nenn	_	INenn	

1.4.2.3 Boost (Grenzwert I Boost = 6 A max.)

1.4.3.5 Schrittwinkel

Schalterstellung	OFF	ON
Schrittwinkel	Halbschritt 1000 Schritte pro Umdrehung	Vollschritt 500 Schritte pro Umdrehung

switch # 3

Half step

Full step

PFAFF

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