

1.8 Cable routing



1.9 Constructional preparations

The electrical connections must comply with the equipment supply voltage.

For the ELEVATOR-2 only a supply voltage of 115/230 V is required and a suitable ground connection. The fastening points of the ELEVATOR-2 must support a tensile stress of 2500 N at each mounting point. E.G Liebig safety anchors S12/65 for B 150 DIN 1045 concrete floor (included fastening material).

Prepare the floor mounting holes with a 12 mm/.472 in. drill according dimensional drawing 1.7.

The power cable of the ELEVATOR-2, the cable for the Bucky and the Ion chamber must be routed depending on the version to the interface box in the table base or all the way to the Bucky according to the installation plan.

1.10 Measuring tool required

Machinist water level

1.11 Special tools required

Rotary hammer
Masonry drill 12 mm

1.12 Power supply data

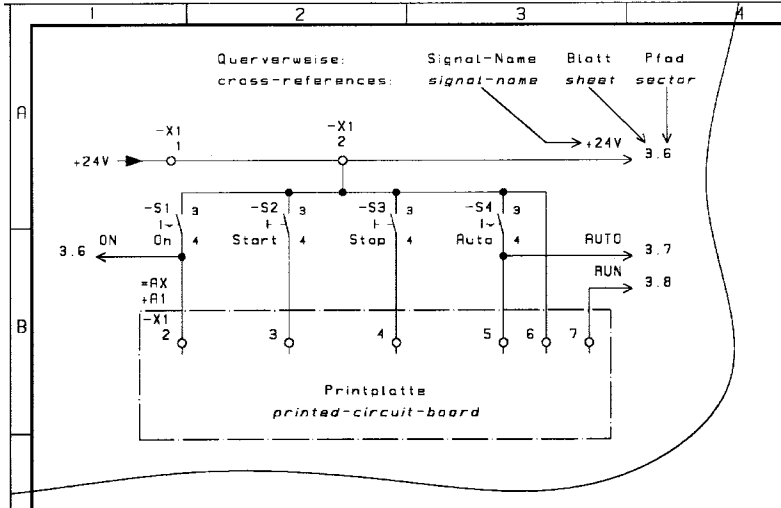
Power supply:	115/230 V
Frequency:	50 / 60 Hz
Rated current:	10 / 6 A
Rated power supply voltage:	0,7 VA

1.13 Schematics sheet 1

1.13.1 Description at Schematics

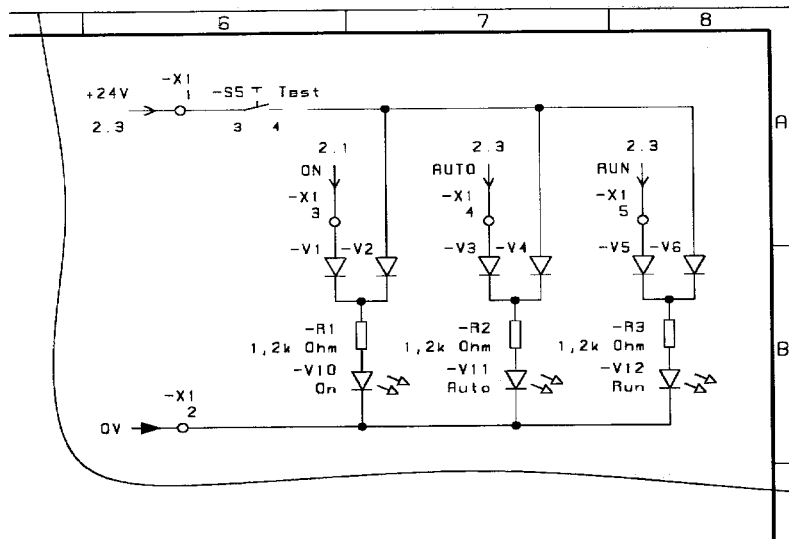
..... Schematics sheet 2

= AX control panel
 = Unit, Indication



..... Schematics sheet 3

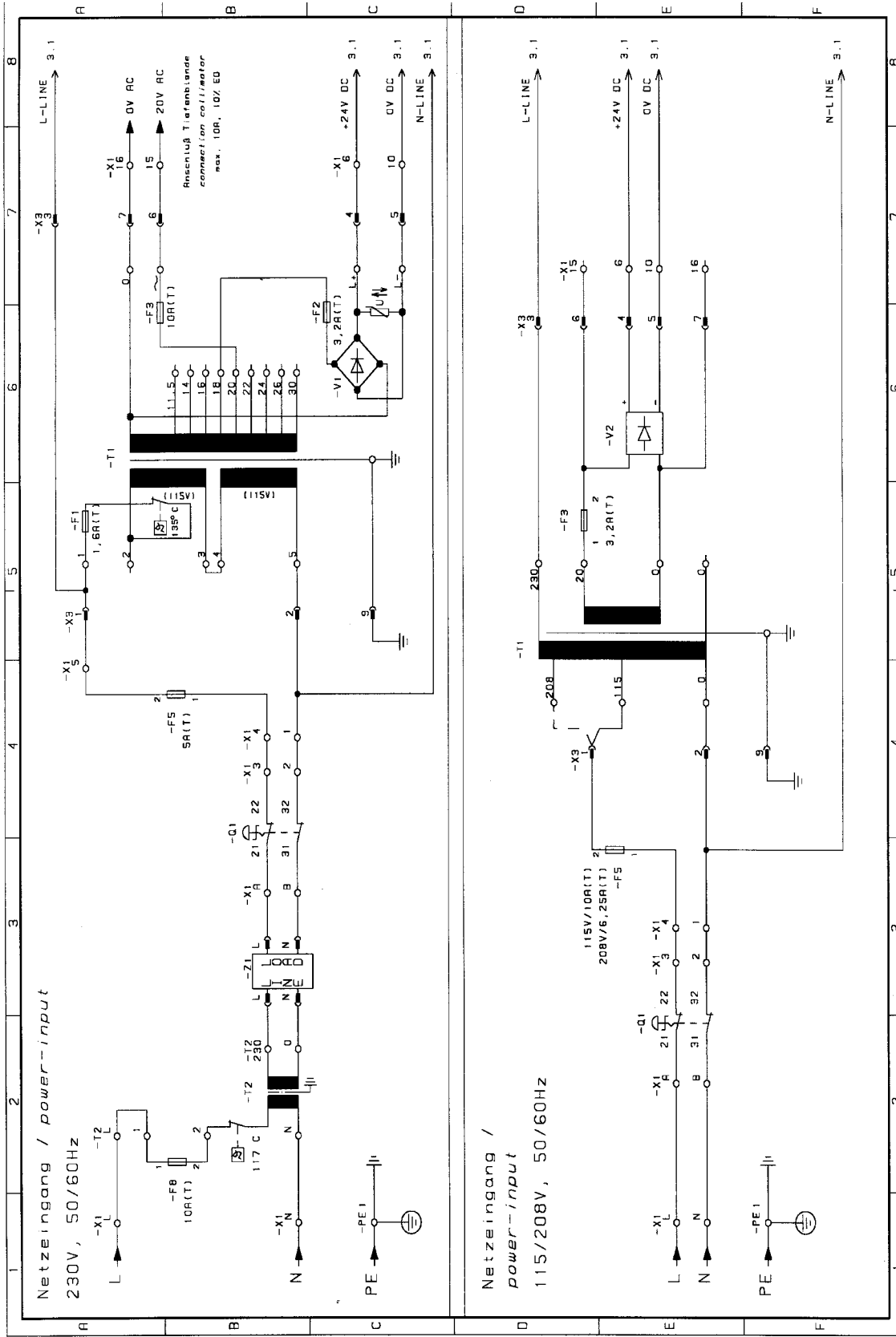
= AX control panel
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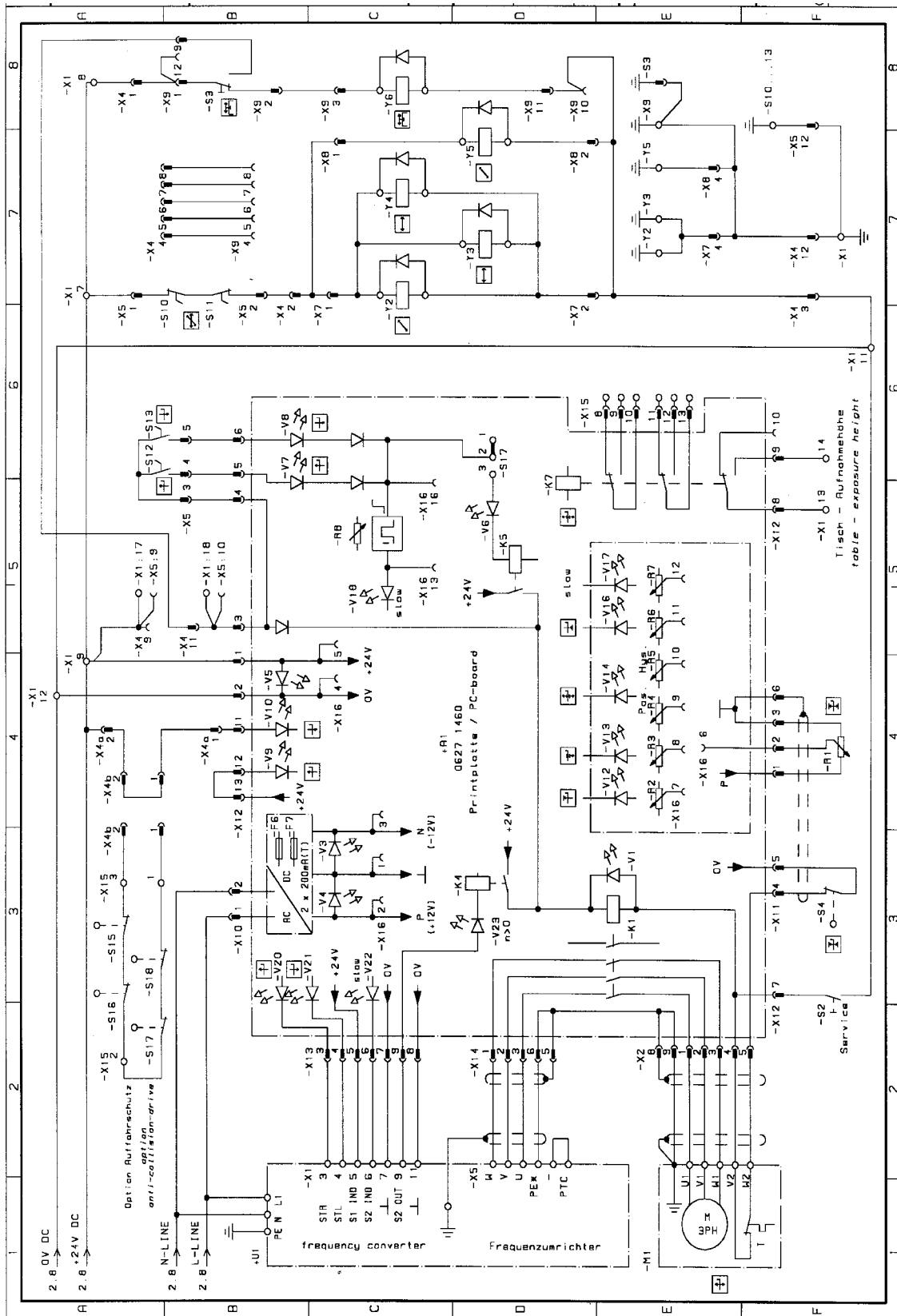
1.13.1 Table of contents at Schematics

Sheet 2	Schematics Main transformer	=AF
Sheet 3	Schematics	=AF
Sheet 4	Wiring diagram	=AF

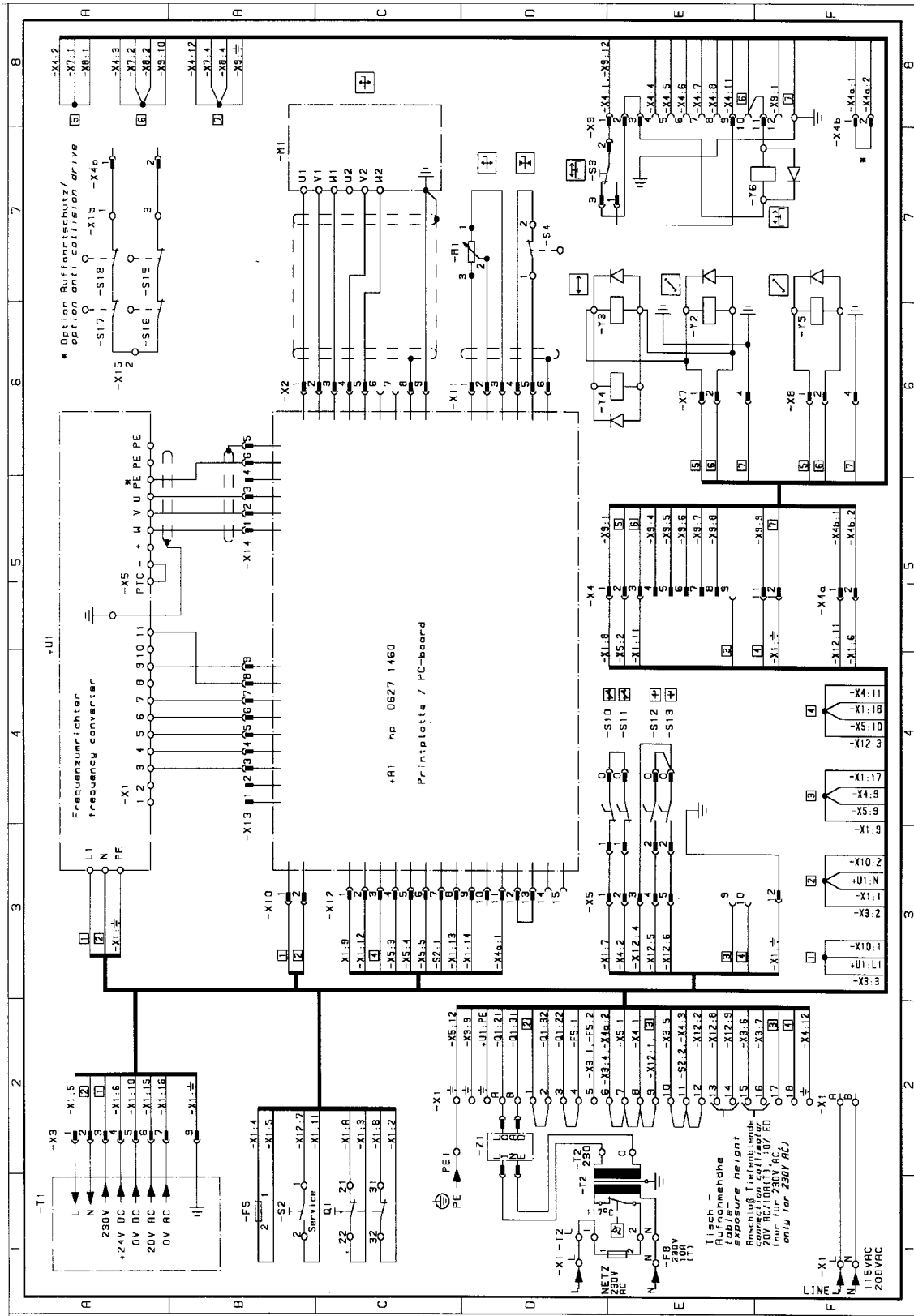
1.13 Transformer Diagram Sheet 2



1.13 Schematics sheet 3



1.13 Wiring Diagram Sheet 4



1.14 Components Numbers and Designation

No.	Designation
=AF+A1	PC Board
+U1	Frequency Converter
-F1	Fuse transformer primary
-F2	Fuse 24 V
-F3	Fuse 20 V AC
-F4	Fuse 130 V
-F5	Fuse mains supply
+A1-F6	Fuse +12 V DC
+A1-F7	Fuse -12 V DC
-F8	Fuse isolating transformer
+A1-K1	Motor conductor
+A1-K2	Relay motor contactor
+A1-K4	Relay n>0
+A1-K5	Relay safety switch
+A1-K6	Relay intermediate stop
+A1-K7	Relay exposure height
-M1	Vertical drive motor
-PE1	Main ground terminal
-Q1	Service switch
-R1	Height potentiometer
+A1-R2	Adjusting screw disconnect vertical top position
+A1-R3	Adjusting screw intermediate stop
+A1-R4	Adjusting screw exposure position
+A1-R5	Adjusting screw exposure position hysteresis
+A1-R6	Adjusting screw disconnect lower table position
+A1-R7	Adjusting screw slow motion range
+A1-R8	Adjusting screw slow motion time
-S2	Service - switch
-S3	Switch Bucky brake
-S4	Safety limit switch
-S5	Safety push button
-S10	Foot pedal switch for table top brake
-S11	Foot pedal switch for Table top brake
-S12	Foot pedal switch for vertical upwards
-S13	Foot pedal switch for vertical downwards
-S15	Switch for anti collision drive
-S16	Switch for anti collision drive
-S17	Switch for anti collision drive
-S18	Switch for anti collision drive
-T1	Mainstransformer
-T2	Transformer for electronics
+A1-V1	LED motor contactor
+A1-V3	LED -12 V DC
+A1-V4	LED +12 V DC
+A1-V5	LED +24 V DC
+A1-V6	LED safety switch

- +A1-V7 LED Foot pedal switch vertical up
- +A1-V8 LED Foot pedal switch vertical down
- +A1-V9 LED limit switch vertical up
- +A1-V10 LED limit switch vertical down
- +A1-V12 LED disconnect vertical top
- +A1-V13 LED intermediate stop
- +A1-V14 LED exposure height
- +A1-V16 LED disconnect vertical upwards
- +A1-V17 LED slow motion range
- +A1-V18 LED slow motion time
- +A1-V20 LED frequency converter vertical upwards
- +A1-V21 LED frequency converter vertical downwards
- +A1-V22 LED frequency converter slow motion
- +A1-V23 LED frequency converter $n > 0$

- X1 Terminal strip
- +A1-X2 Motor plug
- X3 Transformer plug
- X4 Motor drive plug
- X4a Plug anti collision drive
- X4b Plug anti collision drive
- X5 Plug Foot pedal switch
- X7 Plug left lateral brake
- X8 Plug right lateral brake
- X9 Plug Bucky carriage
- +A1-X10 Plug mains input
- +A1-X11 Plug height measuring unit
- +A1-X12 Plug for control signal
- +A1-X13 Plug for U1 control signal
- +A1-X14 Plug for U1 motor voltage
- X15 Plug for Combi-Elevator
- +A1-X15 terminal block for anti collision drive
- +A1-X16 Test socket
- +A1-X16:1 Check point ground
- +A1-X16:2 Check point +12 V DC
- +A1-X16:3 Check point -12 V DC
- +A1-X16:4 Check point 0 V DC
- +A1-X16:5 Check point +24 V DC
- +A1-X16:6 Check point actual value height measuring-R1
- +A1-X16:7 Check point nominal value disconnection top
- +A1-X16:8 Check point nominal value intermediate stop
- +A1-X16:9 Check point nominal value exposure Item stop
- +A1-X16:10 Check point nominal value exposure Item hyst.
- +A1-X16:11 Check point nominal value disconnection bot.
- +A1-X16:12 Check point nominal value slow motion range
- +A1-X16:13 Check point time impulse exposure
- +A1-X16:14 Check point memory signal exposure position
- +A1-X16:15 Check point time impulse exposure position
- +A1-X16:16 Check point Foot pedal switch vertical up- or downwards
- Y2 Brake table top lateral left
- Y3 Brake table top longitudinal
- Y4 Brake table top longitudinal
- Y5 Brake table top lateral right

- Z1 Filter