

AQX 20 Slot Chassis

**AQX MAINFRAME-
Manual**

Version 002

BRUKER

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Rheinstetten, Germany

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Contents

	Contents	iii
1	Chassis Wired.....	5
1.1	Front View	5
1.2	Rear Panel	6
1.3	Assembly Rails	7
2	Power Supply.....	9
2.1	Rear Panel Mother Board	9
2.2	Power Supply	10
2.3	AC Diagram	11
2.4	AC Connection	12
2.5	DC Connection	13
2.6	AQX Power Supply Supervisor	14
2.7	Technical Data	19
2.8	Input Current Computer Boards	20
	Figures	21
	Tables	23

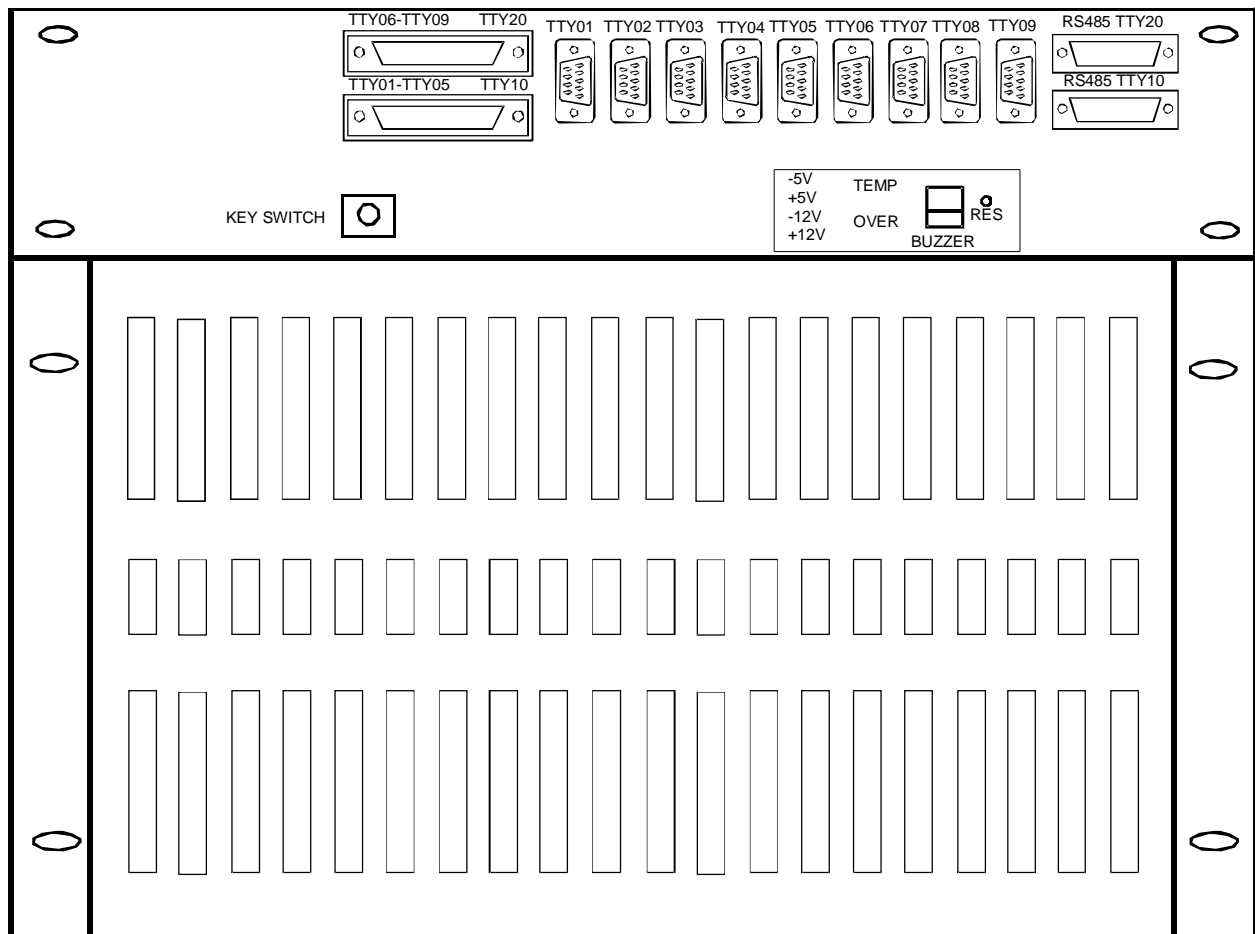
Chassis Wired

1

Front View

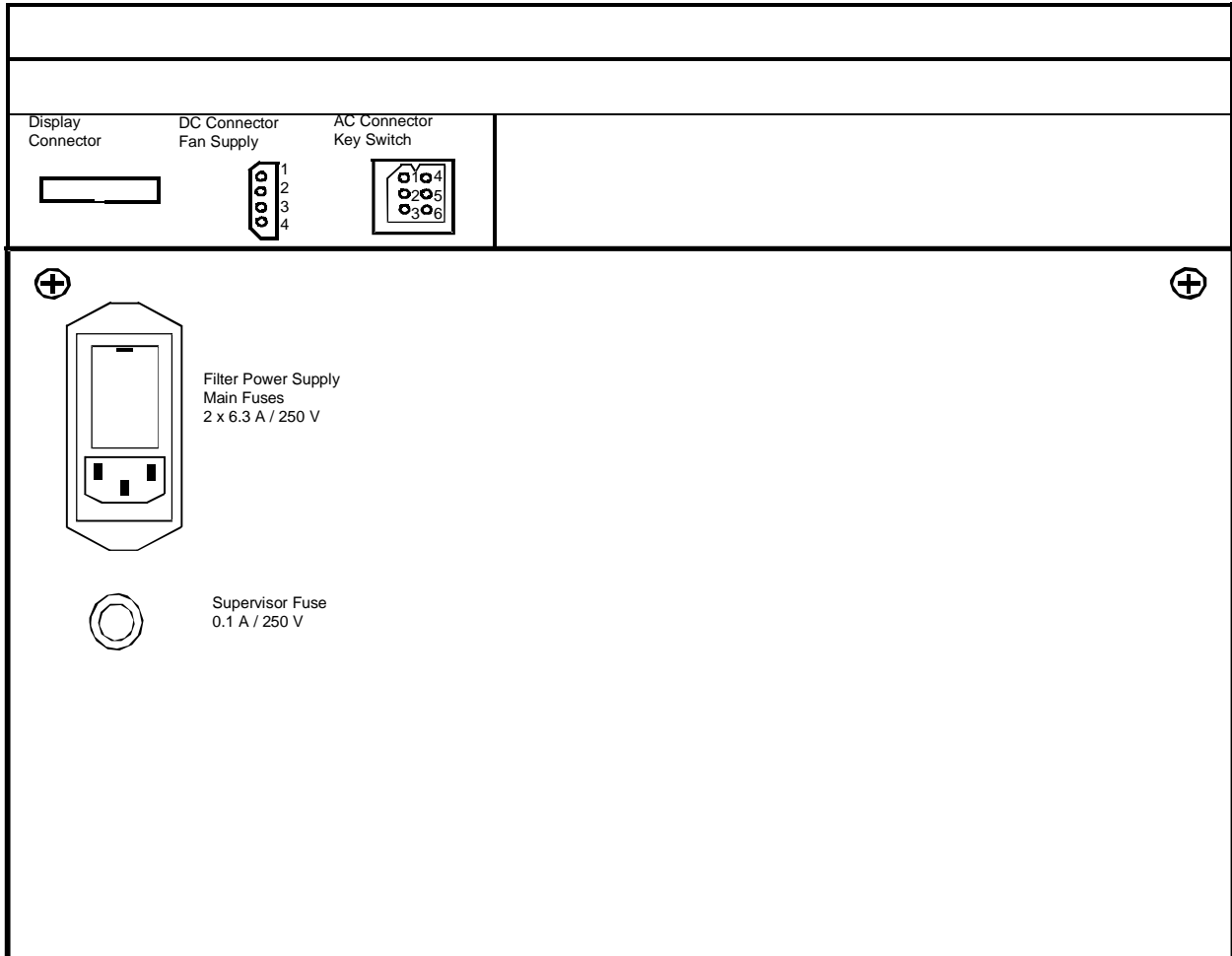
1.1

Figure 1.1. Chassi Wired Front View



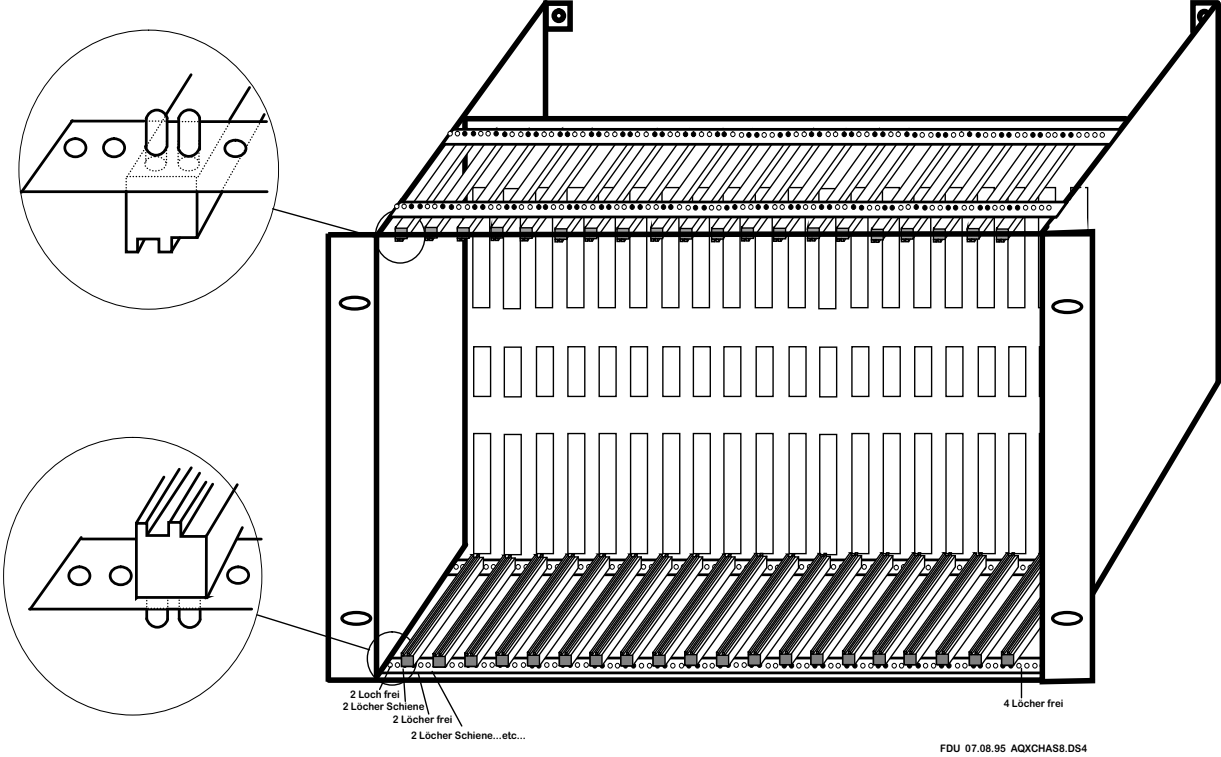
KST 15.03.95 AQXCHAS1.MIF

Figure 1.2. Chassis Wired Rear Panel



KST 15.03.95 AQXCHAS2.MIF

Figure 1.3. Assembly Rails



Power Supply

2

Rear Panel Mother Board

2.1

Figure 2.1. Mother Board

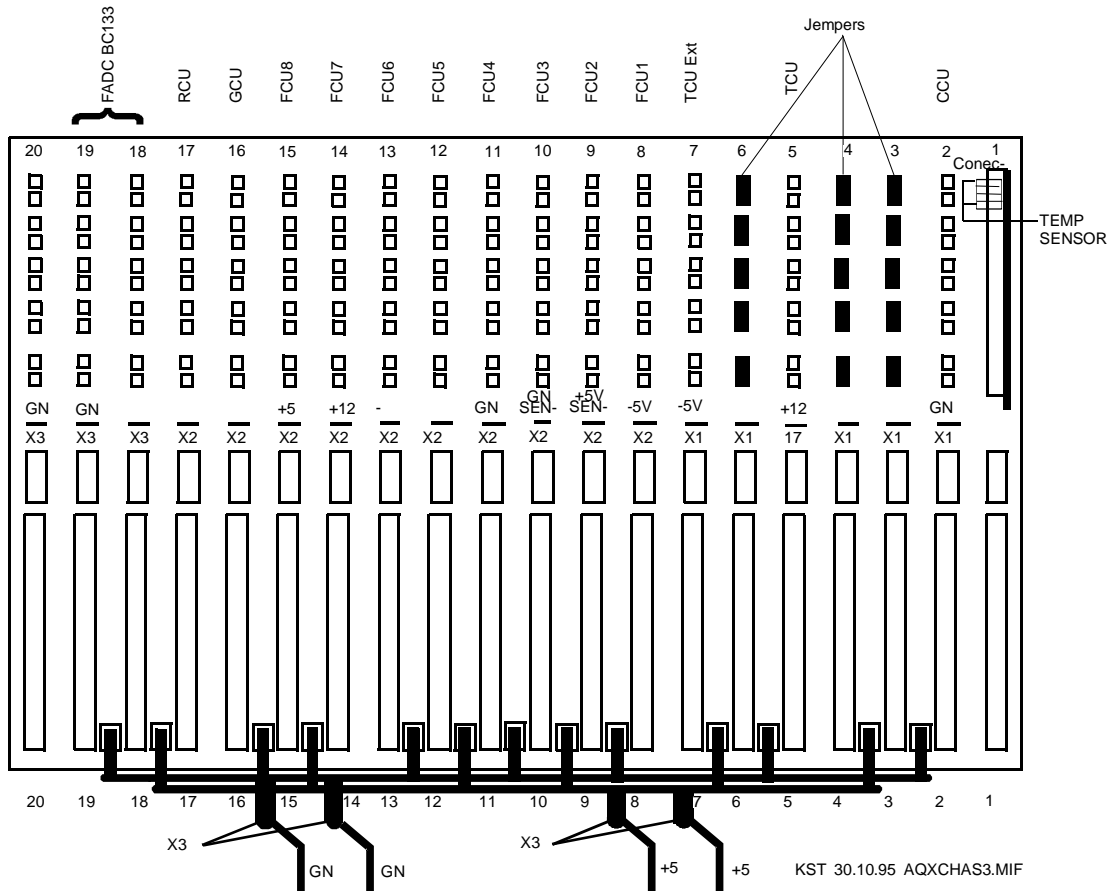


Figure 2.2. Power Supply

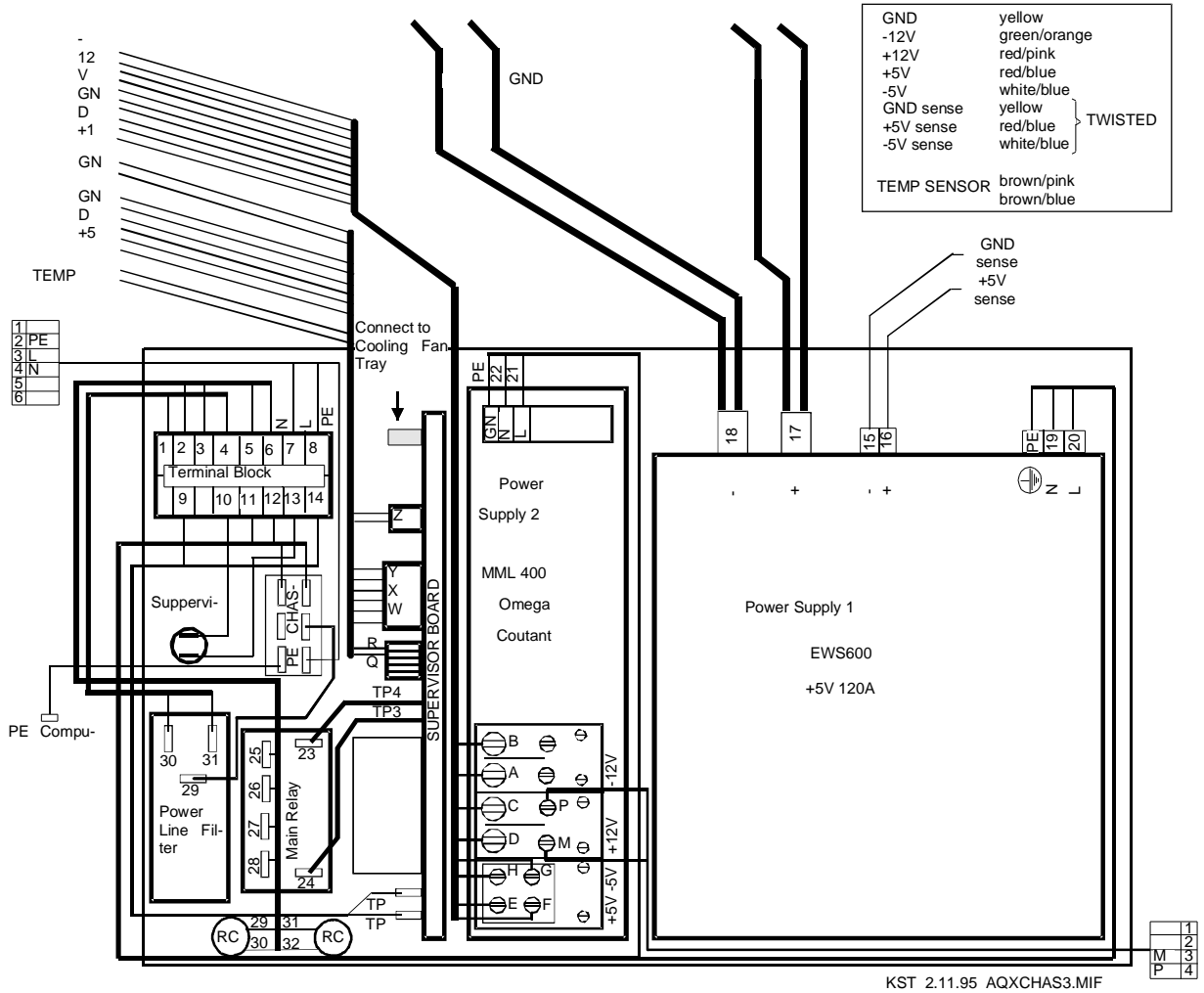


Figure 2.3. AC Diagram

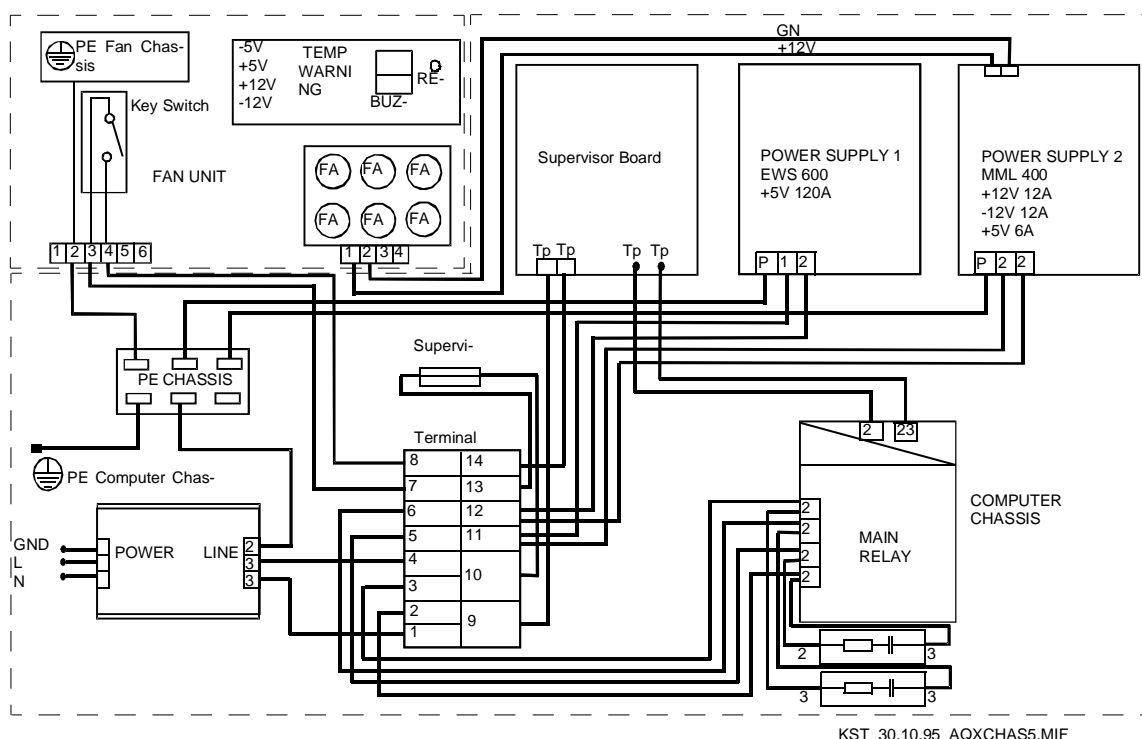
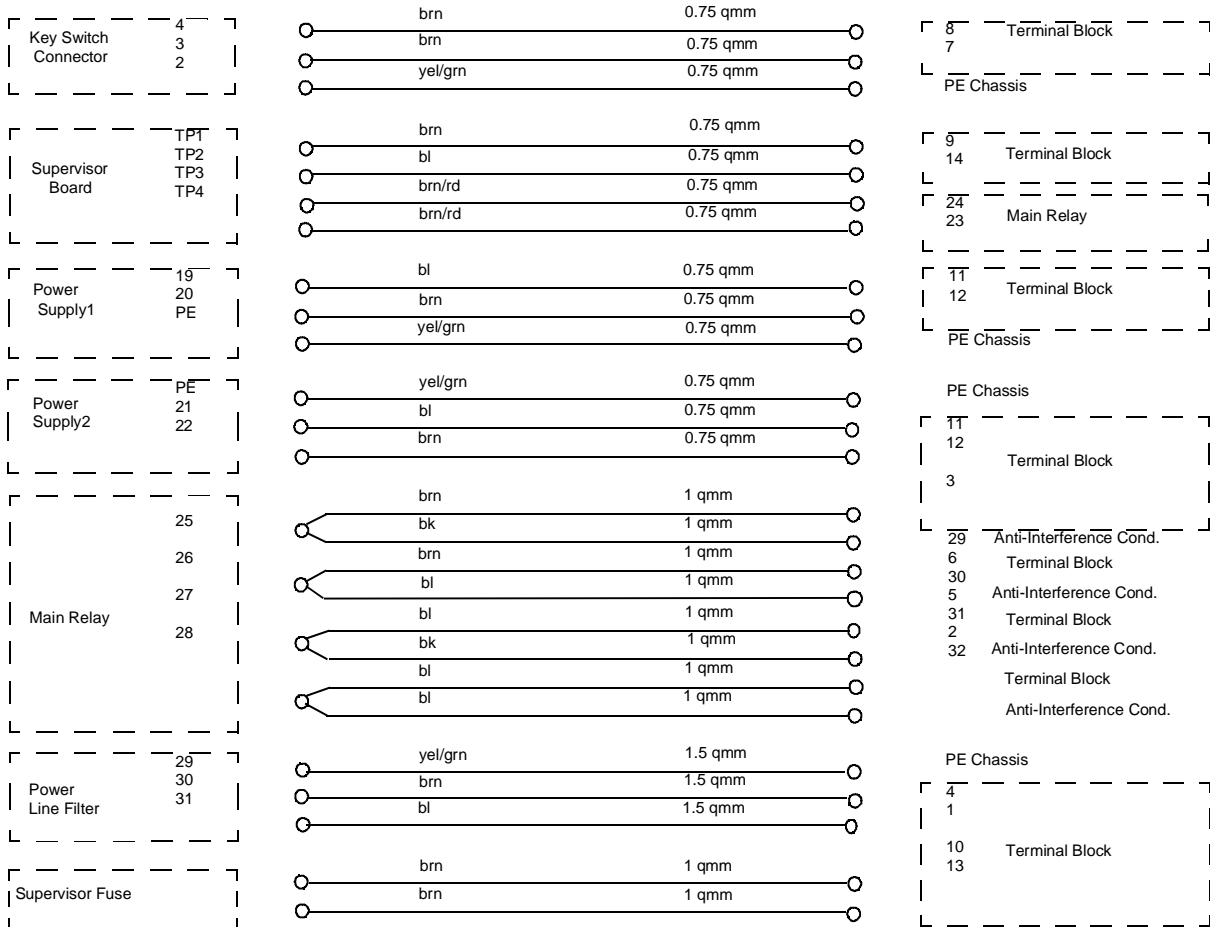
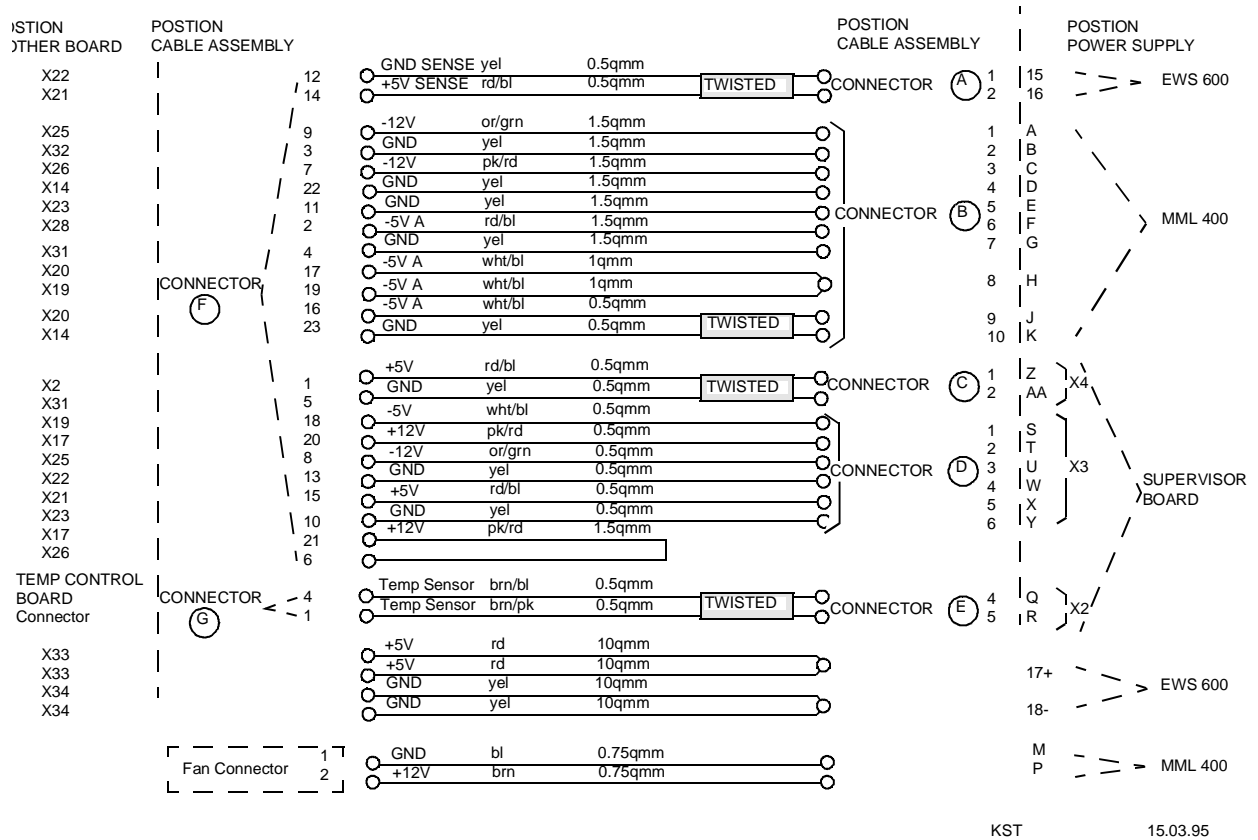


Figure 2.4. AC Connection



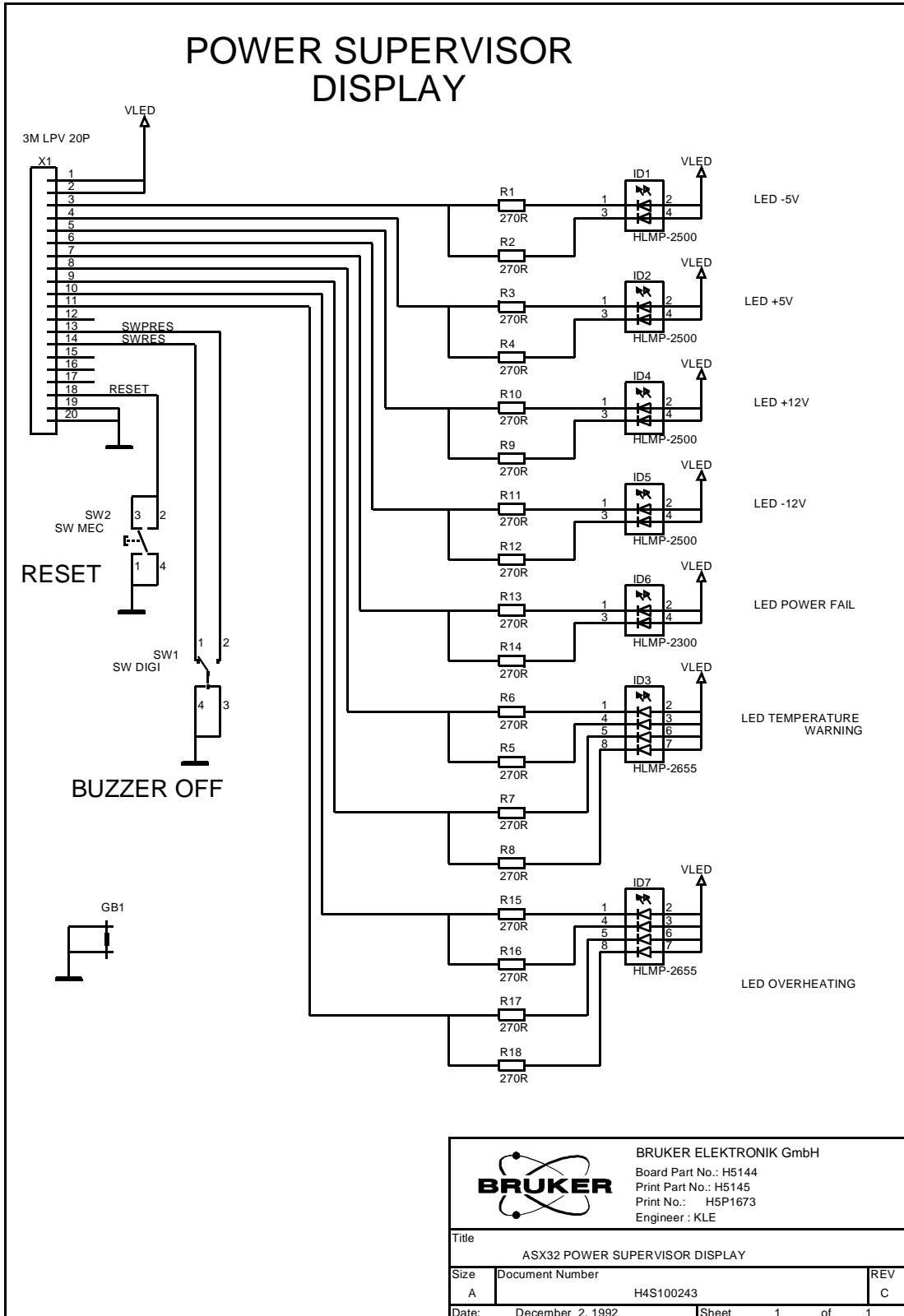
KST 30.10.95 AQXCHAS7.MIF

Figure 2.5. DC Connection



KST 15.03.95

Figure 2.6. Supervisor Display



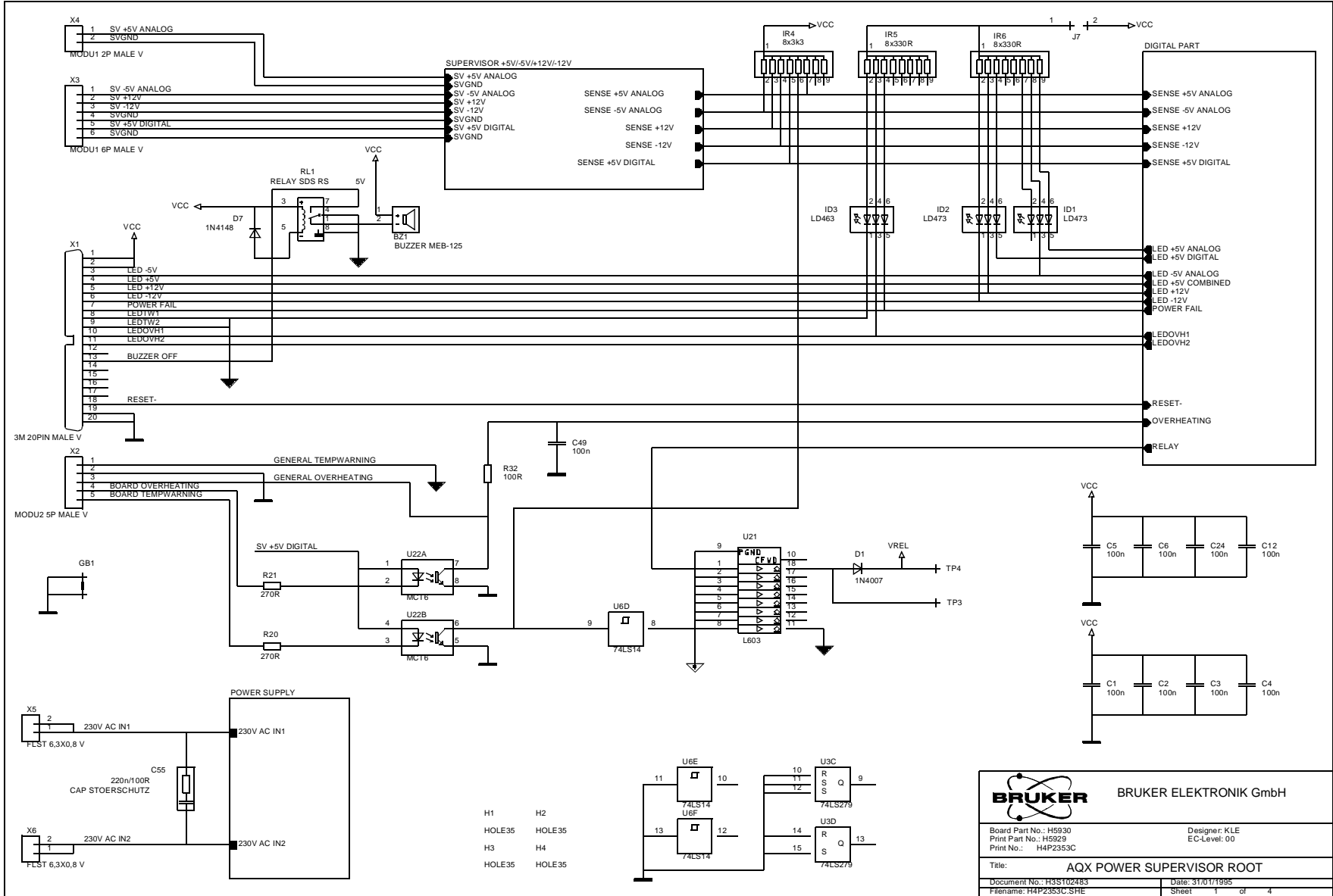


Figure 2.7. Power Supervisor Root

BRUKER		BRUKER ELEKTRONIK GmbH	
Board Part No.: H5930		Designer: KLE	
Print Part No.: H5929		EC-Level: 00	
Print No.: H4P2353C			
Title: AQX POWER SUPERVISOR ROOT			
Document No.: H3S102483	Date: 31/07/1995		
Filename: H4P2353C.SHE	Sheet	1	of 4

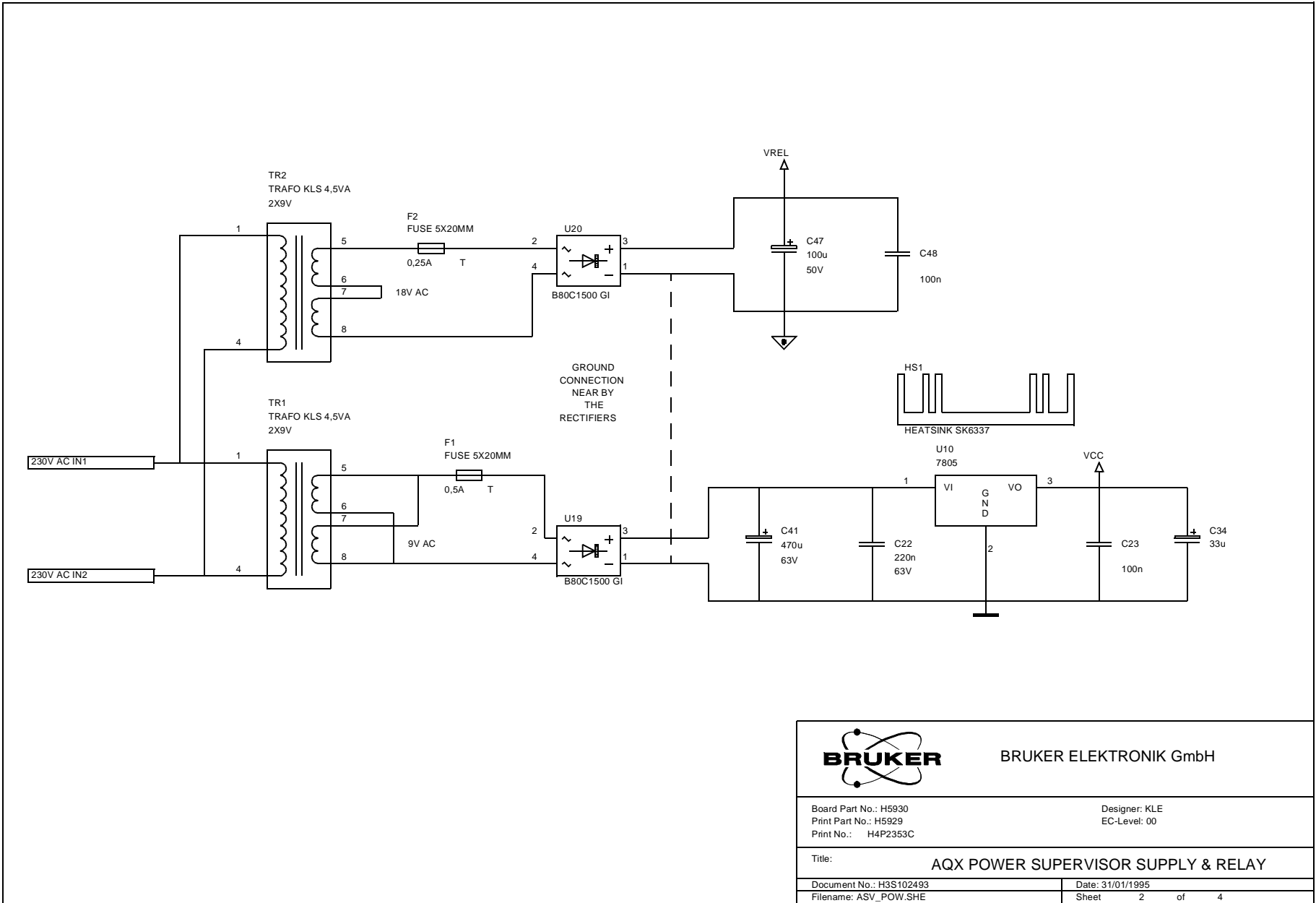

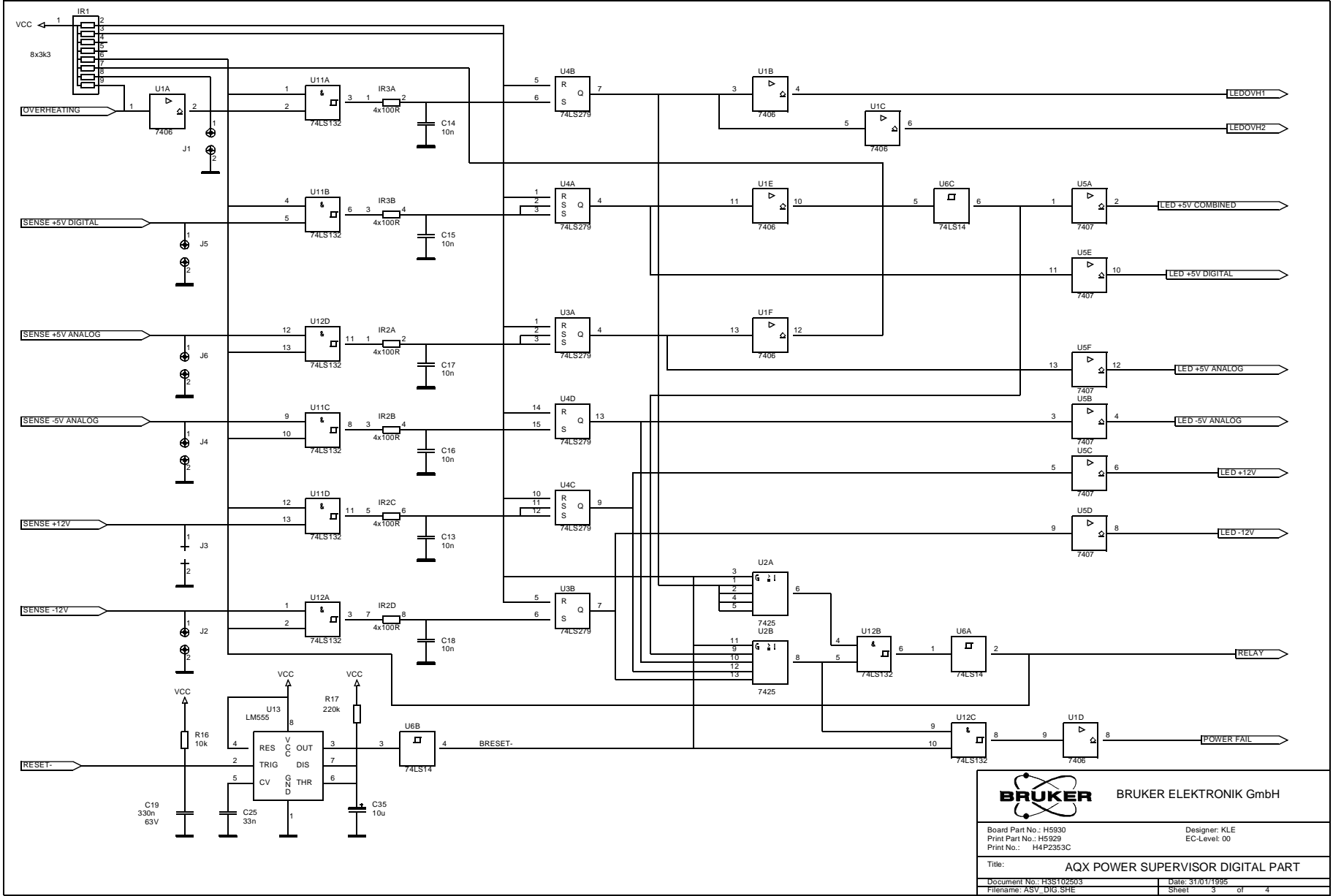


Figure 2.8: Power Supervisor Supply & Relay

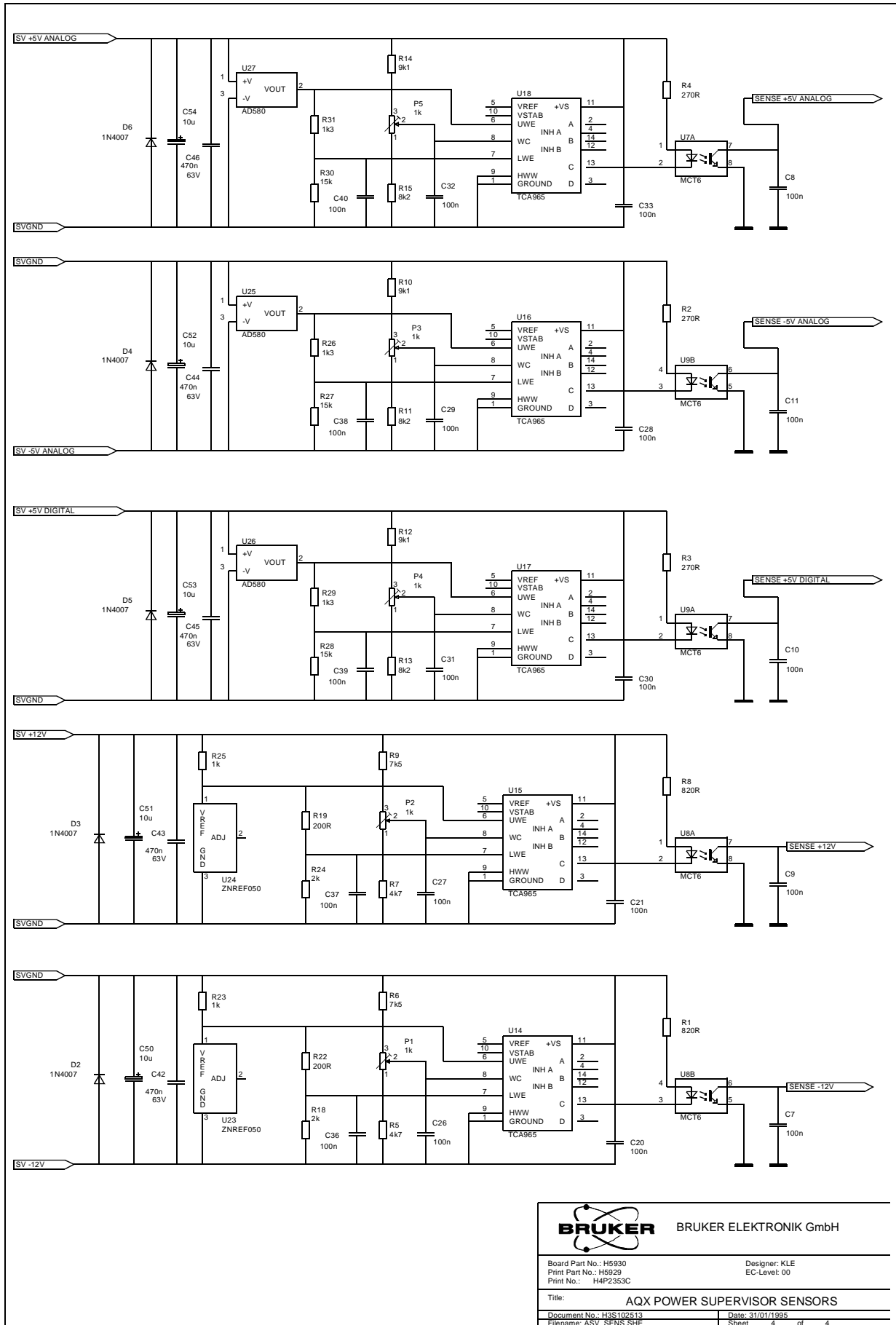
		BRUKER ELEKTRONIK GmbH	
Board Part No.: H5930		Designer: KLE	
Print Part No.: H5929		EC-Level: 00	
Print No.: H4P2353C			
Title:		AQX POWER SUPERVISOR SUPPLY & RELAY	
Document No.: H3S102493		Date: 31/01/1995	
Filename: ASV_POW.SHE		Sheet 2 of 4	



BRUKER BRUKER ELEKTRONIK GmbH	
Board Part No.: H5930	Designer: KLE
Print Part No.: H5929	EC-Level: 00
Print No.: H4P2353C	
Title: AQX POWER SUPERVISOR DIGITAL PART	
Document No.: R3S102503	Date: 31/07/1995
Filename: ASV_DIG.SHE	Sheet 3 of 4

Figure 2.9. Power Supervisor Digital Part

Figure 2.10. AQX Power Supervisor Sensors



BRUKER		BRUKER ELEKTRONIK GmbH	
Board Part No.: H5930		Designer: KLE	
Print Part No.: H5929		EC-Level: 00	
Print No.: H4P2353C			
Title: AQX POWER SUPERVISOR SENSORS			
Document No.: H3S102513		Date: 31/01/1995	
Filename: ASV_SENS_SHE		Sheet 4 of 4	

Power Supply : MML400

Manufacturer : LAMBDA

Input Voltage 180 - 264 V AC

Configuration : C Module 2 pieces / K Module 1 piece

C MODULE: Output Voltage 12V DC / Output Current 12Amps

K MODULE: Output Voltage 2x5V DC / Output Current 6Amps / Low Ripple Filter

Power Supply : EWS- 600 -5

Manufacturer : LAMBDA

Input Voltage 170-265 V AC

Output Voltage 5V DC

Output Current 120Amps

Relay : JH2A-DC24V

Manufacturer : MATSUSHITA

Coil : DC 24V

Contacts : AC 250V 20 Amps

Line Filter : 292-6-05

Manufacturer : SCHAFFNER

Voltage : 110 / 250V AC

Frequency : 50 - 60 Hz

Current : 6 Amps

Fan : 4182NGX

Manufacturer : PAPST

Voltage : 12V DC

Frequency : 0.3 Amps

Power : 3.5W

Table 2.1. Current Computer Boards

	+5V Digital	+12V	-12V	+5V Analog	-5V Analog
CCU	7.2A	0.1A	0.1A		
SIO	2.5A	0.5A	0.5A		
FCU	5A	0.2A	0.3A	0.1A	0.4A
TCU Cont.+Ext.	10A				
GCU	7.8A				
RCU	3A	1A			
FADC	1A				
IADC	1.1A				
40MHz Clock Board		0.6A			

Figures

1 Chassis Wired	5
Figure 1.1. Chassi Wired Front View	5
Figure 1.2. Chassis Wired Rear Panel	6
Figure 1.3. Assembly Rails	7
2 Power Supply	9
Figure 2.1. Mother Board	9
Figure 2.2. Power Supply	10
Figure 2.3. AC Diagram	11
Figure 2.4. AC Connection	12
Figure 2.5. DC Connection	13
Figure 2.6. Supervisor Display	14
Figure 2.7. Power Supervisor Root	15
Figure 2.8. Power Supervisor Supply & Relay	16
Figure 2.9. Power Supervisor Digital Part	17
Figure 2.10. AQX Power Supervisor Sensors	18

Tables

1 Chassis Wired	5
2 Power Supply	9
Table 2.1. Current Computer Boards	20

