

# **AQX 20 Slot Chassis**

**AQX MAINFRAME-  
Manual**

**Version 002**

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**BRUKER**

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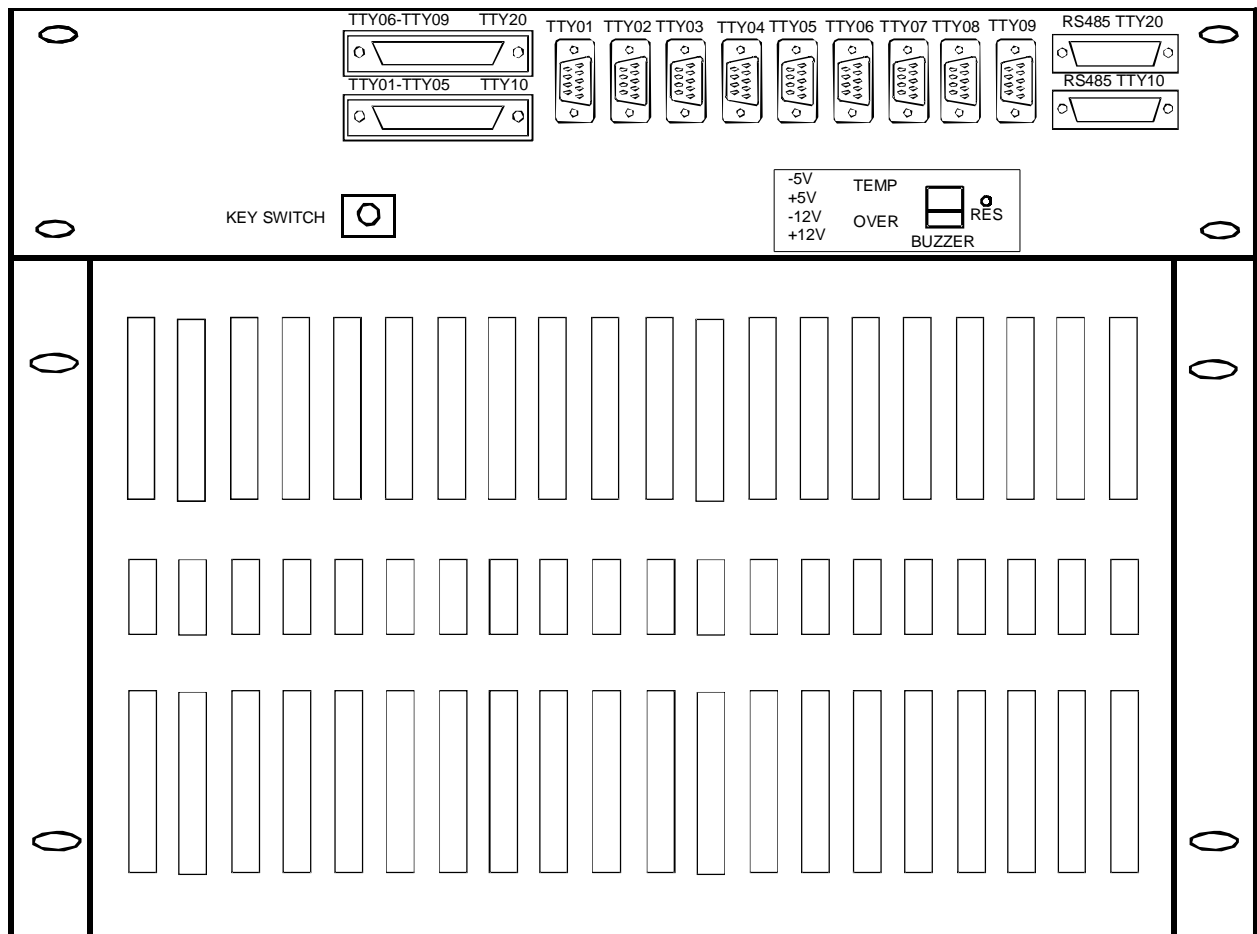
# Chassis Wired

# 1

Front View

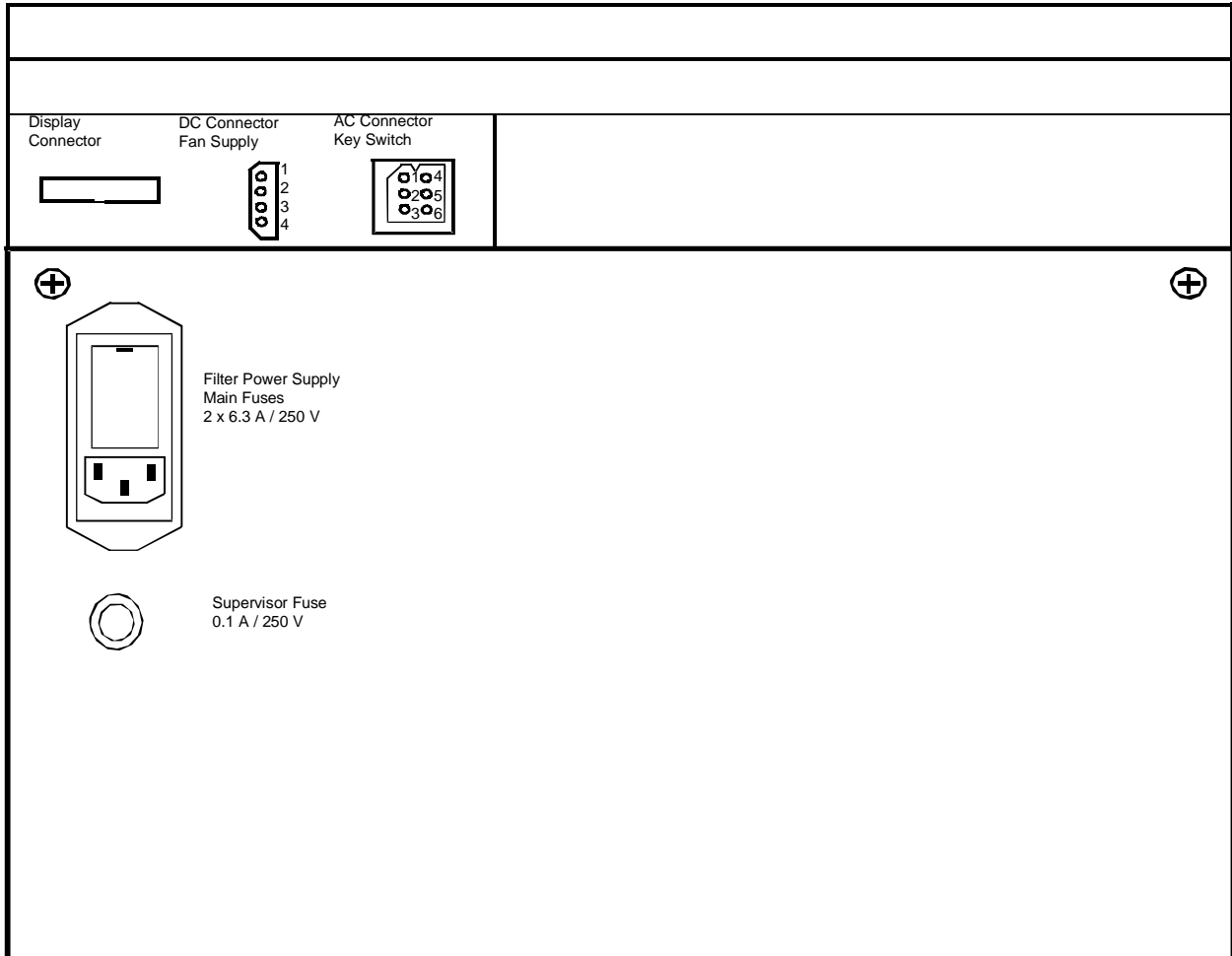
1.1

Figure 1.1. Chassi Wired Front View



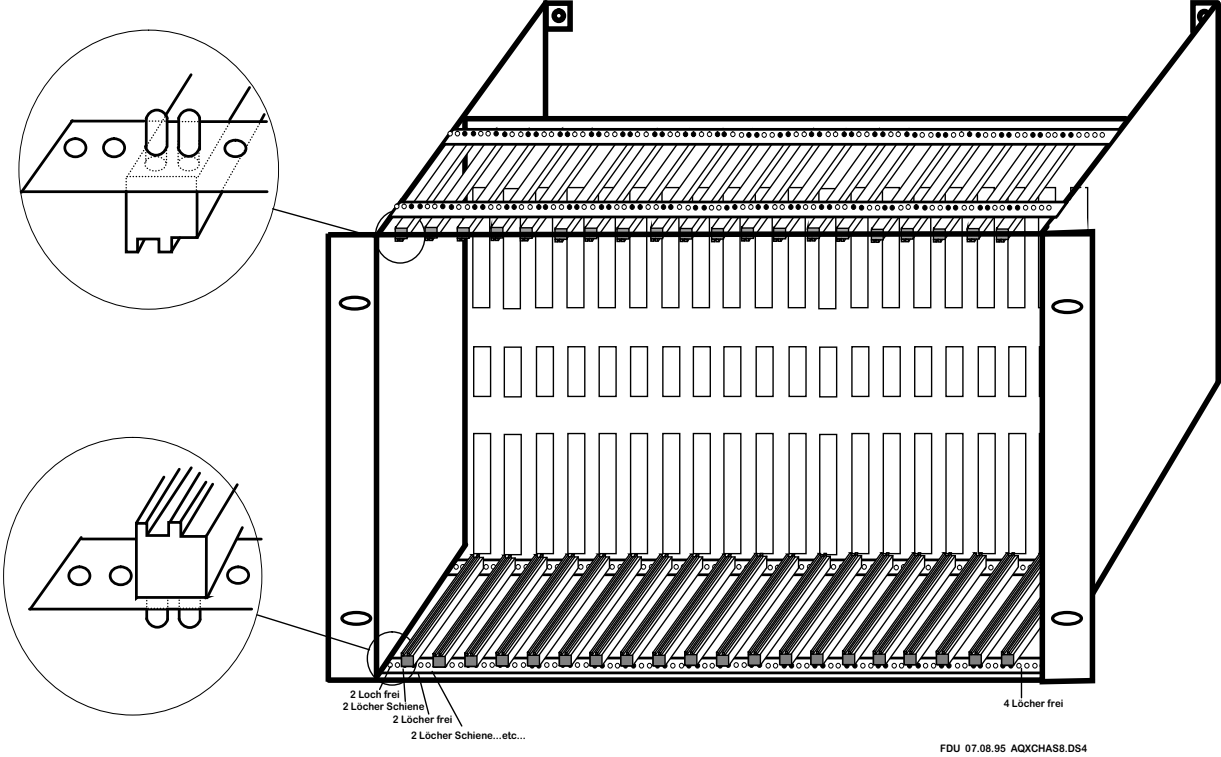
KST 15.03.95 AQXCHAS1.MIF

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

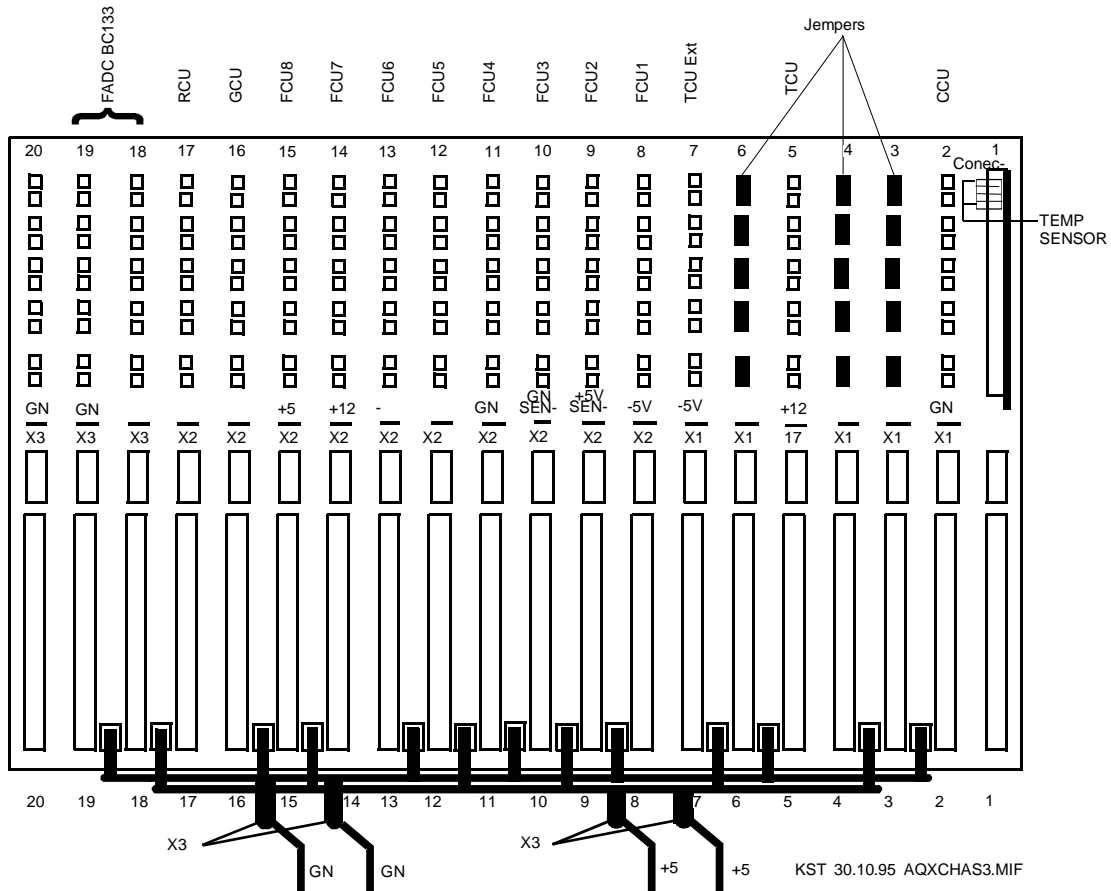


Figure 2.2. Power Supply

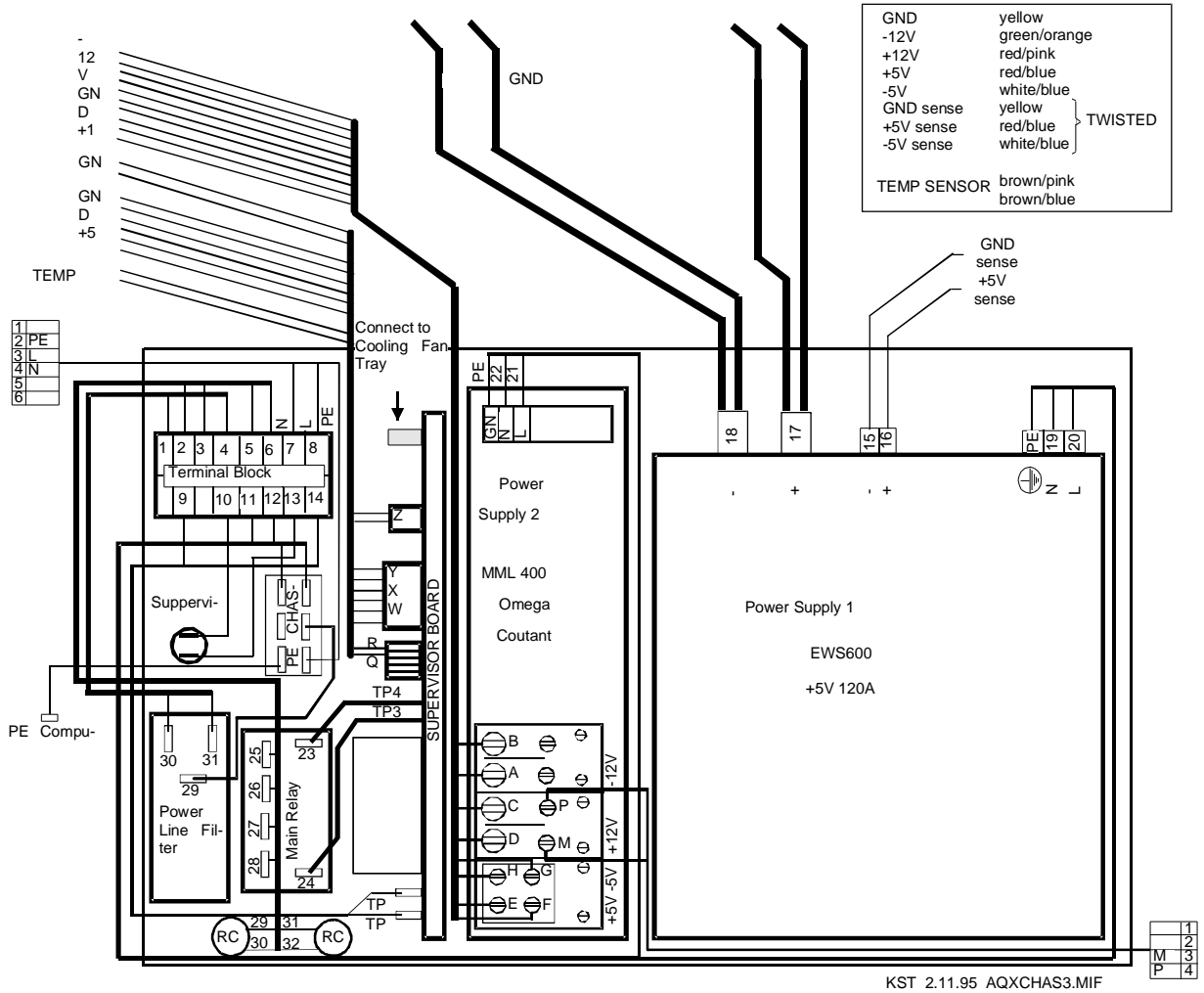


Figure 2.3. AC Diagram

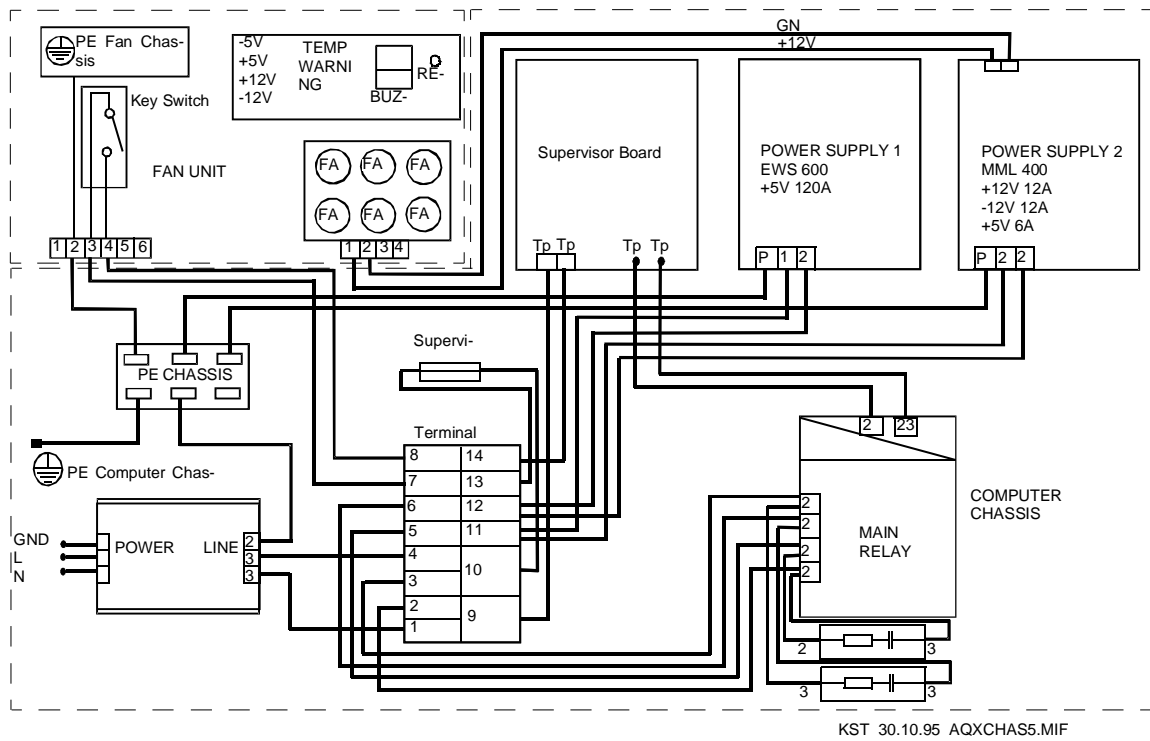
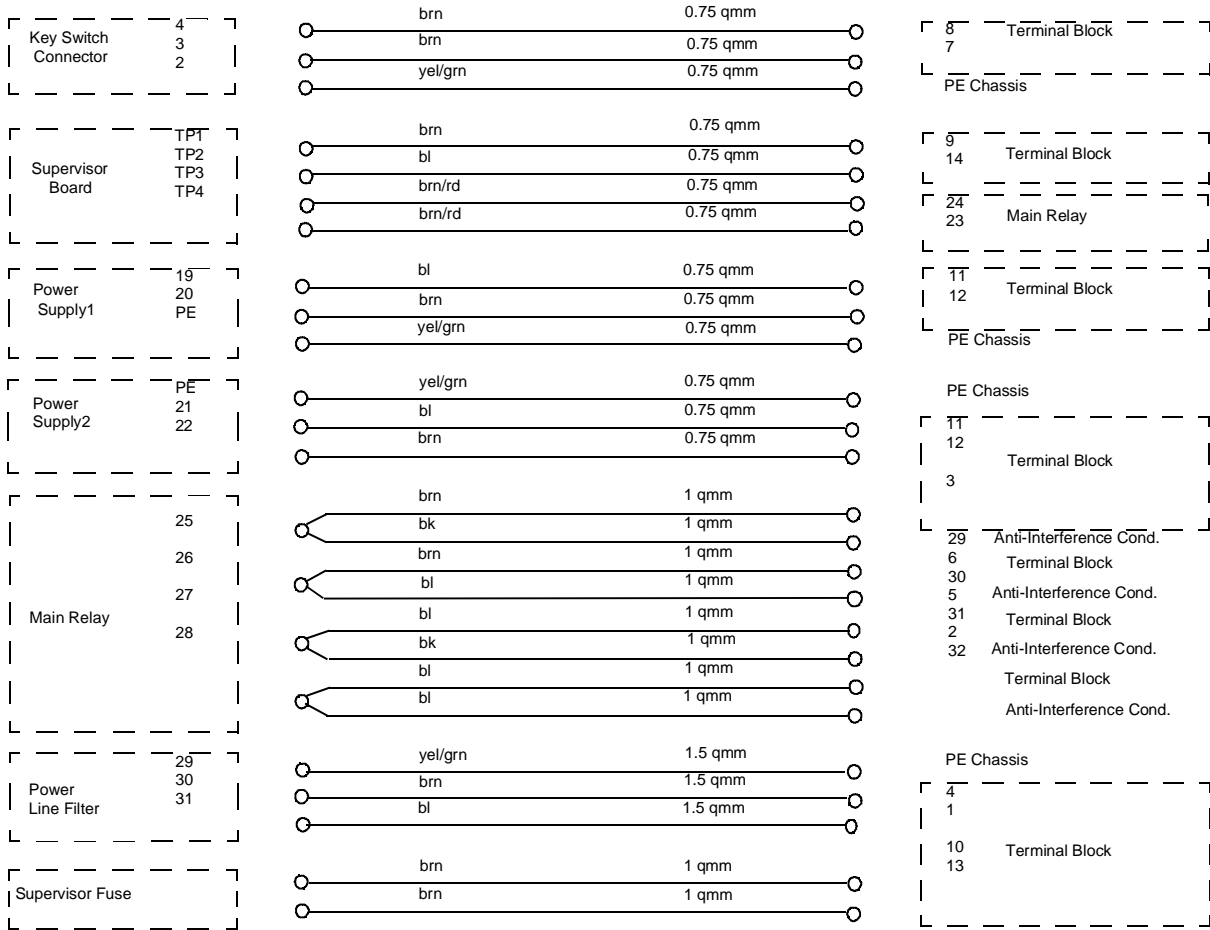


Figure 2.4. AC Connection



KST 30.10.95 AQXCHAS7.MIF

Figure 2.5. DC Connection

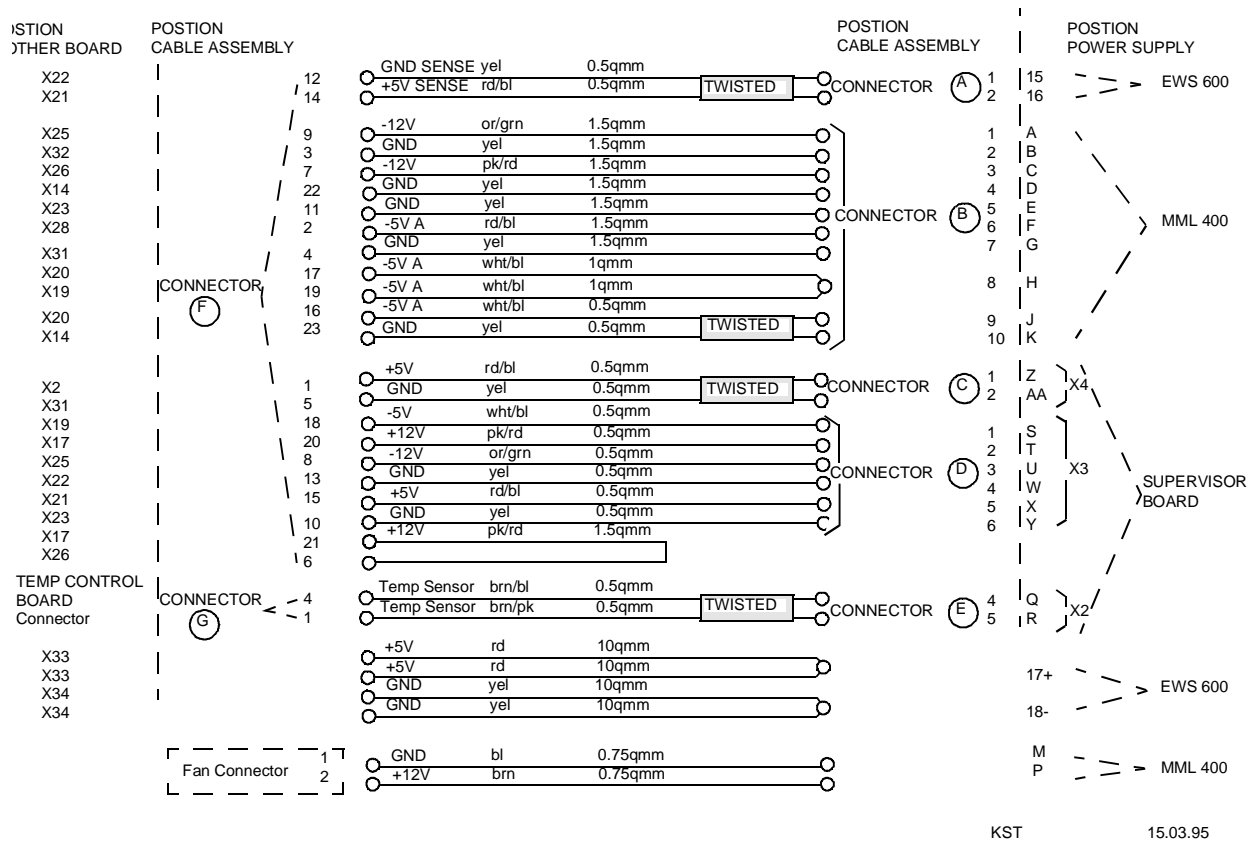
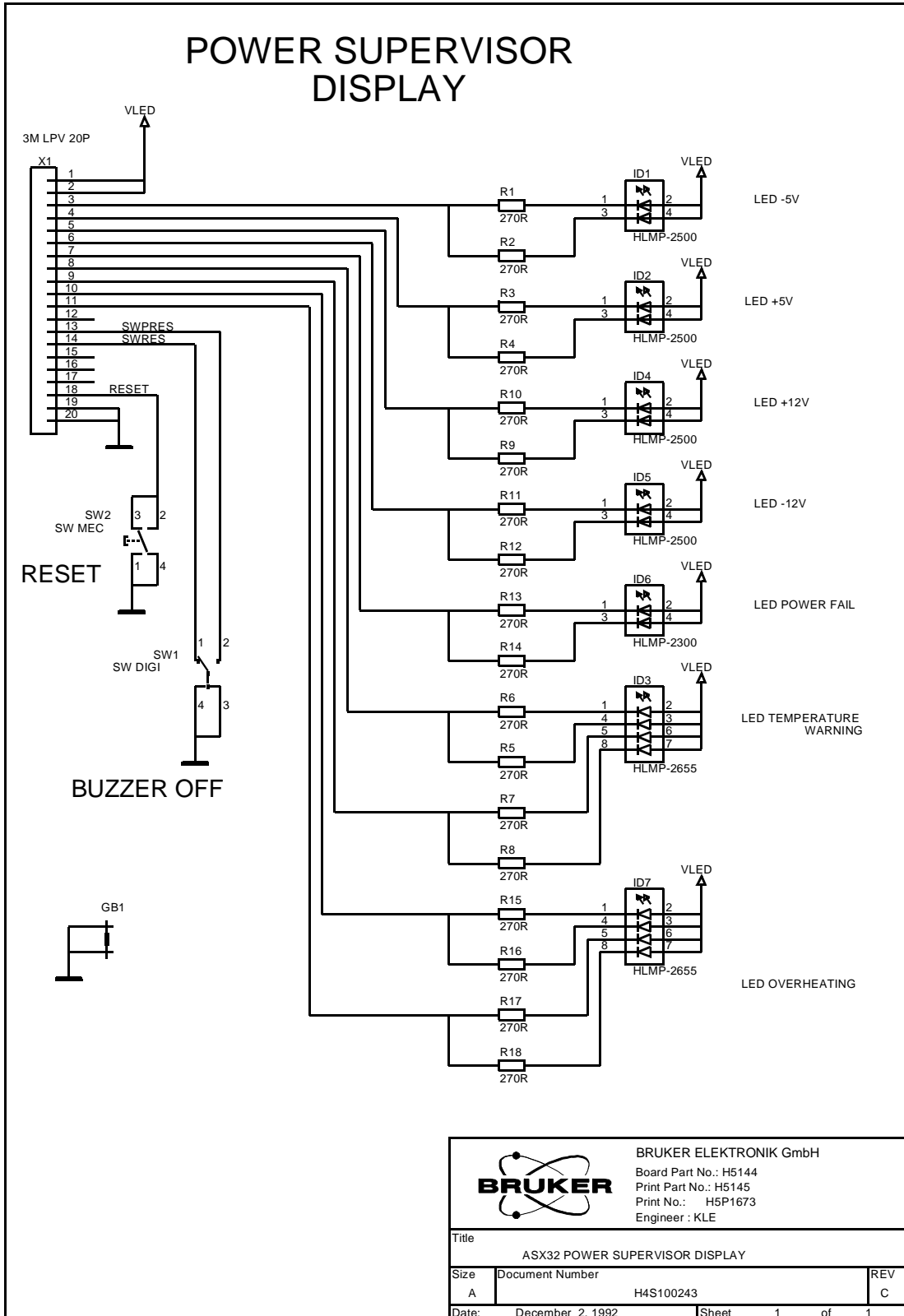


Figure 2.6. Supervisor Display



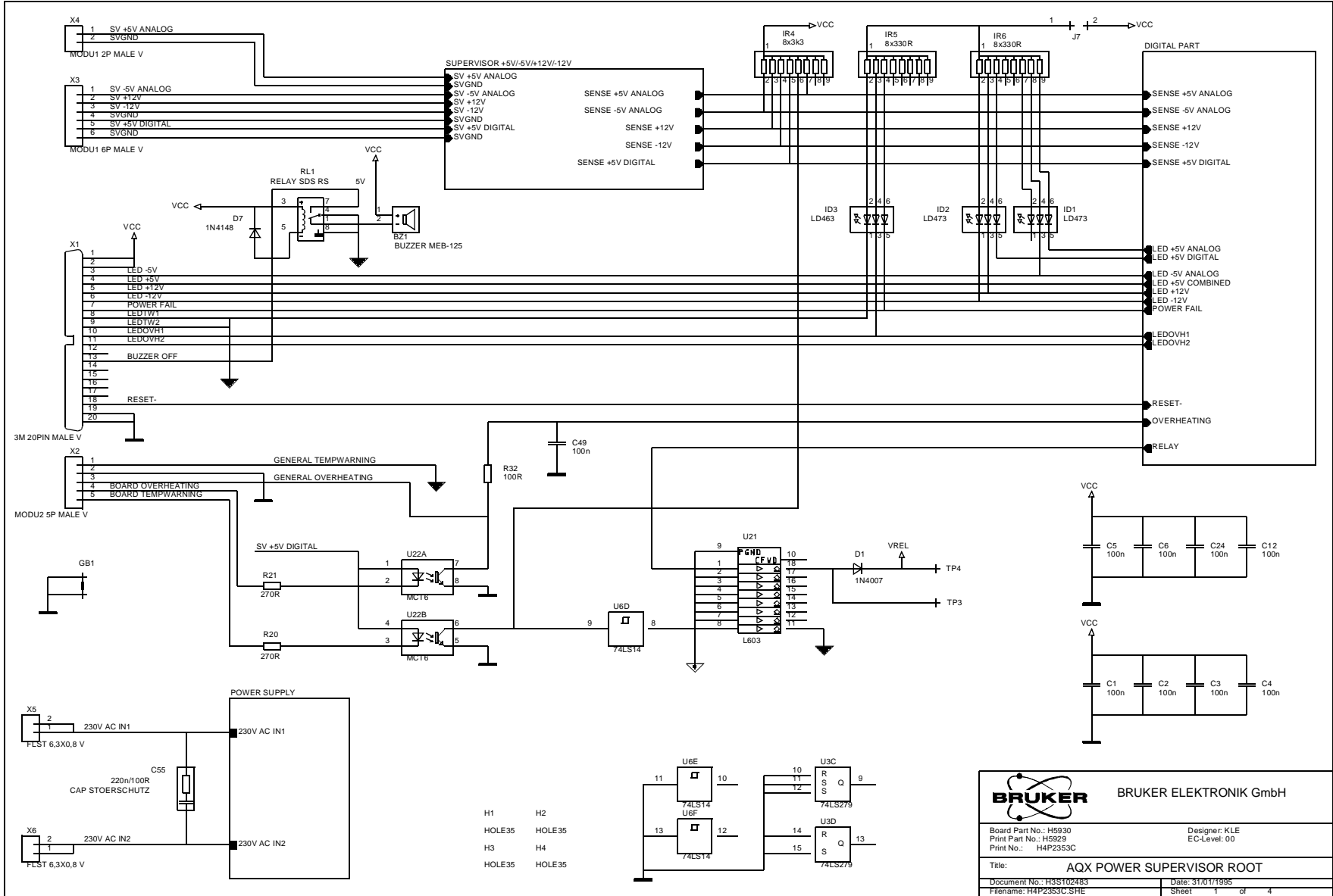


Figure 2.7. Power Supervisor Root

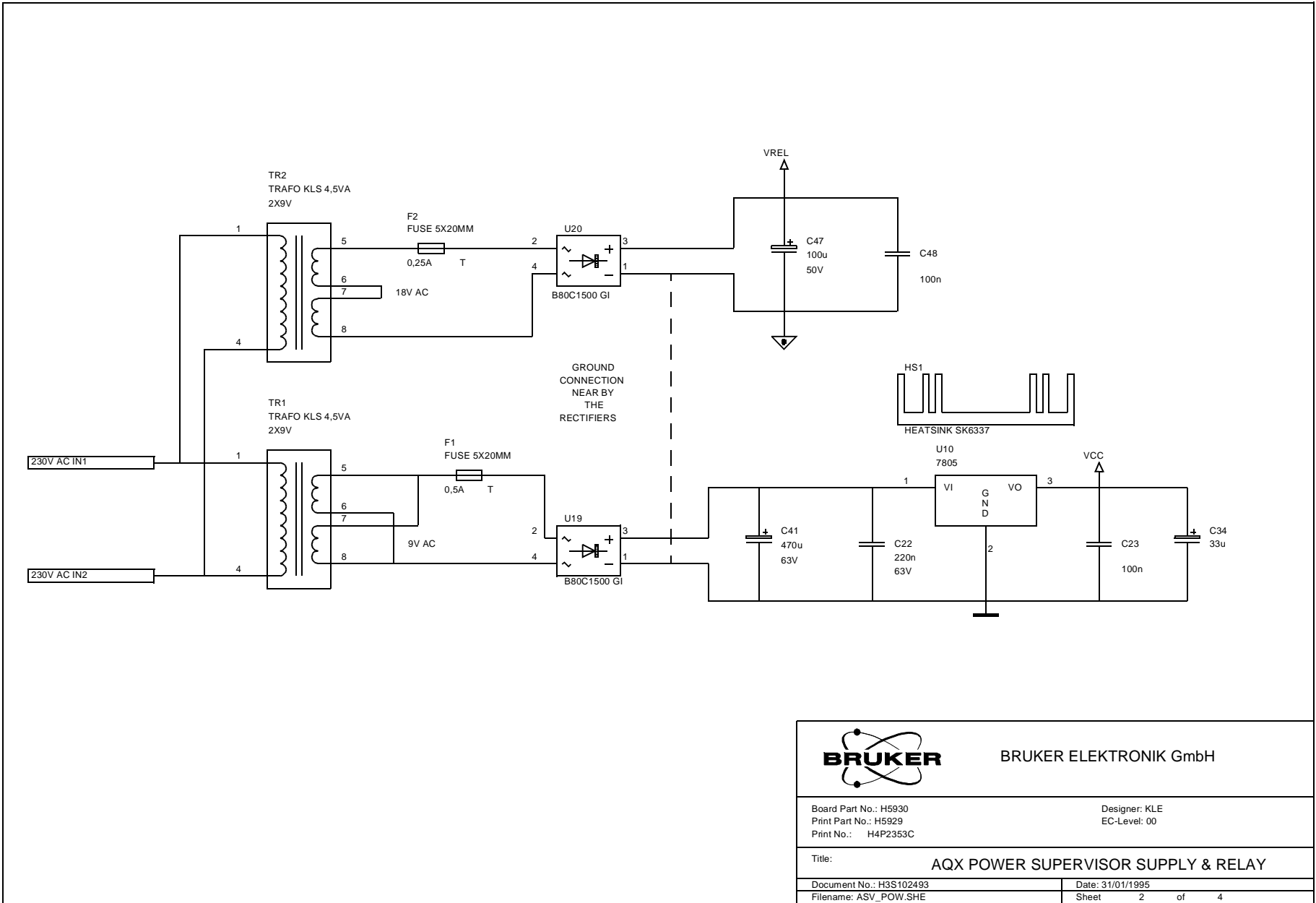


Figure 2.8: Power Supervisor Supply & Relay


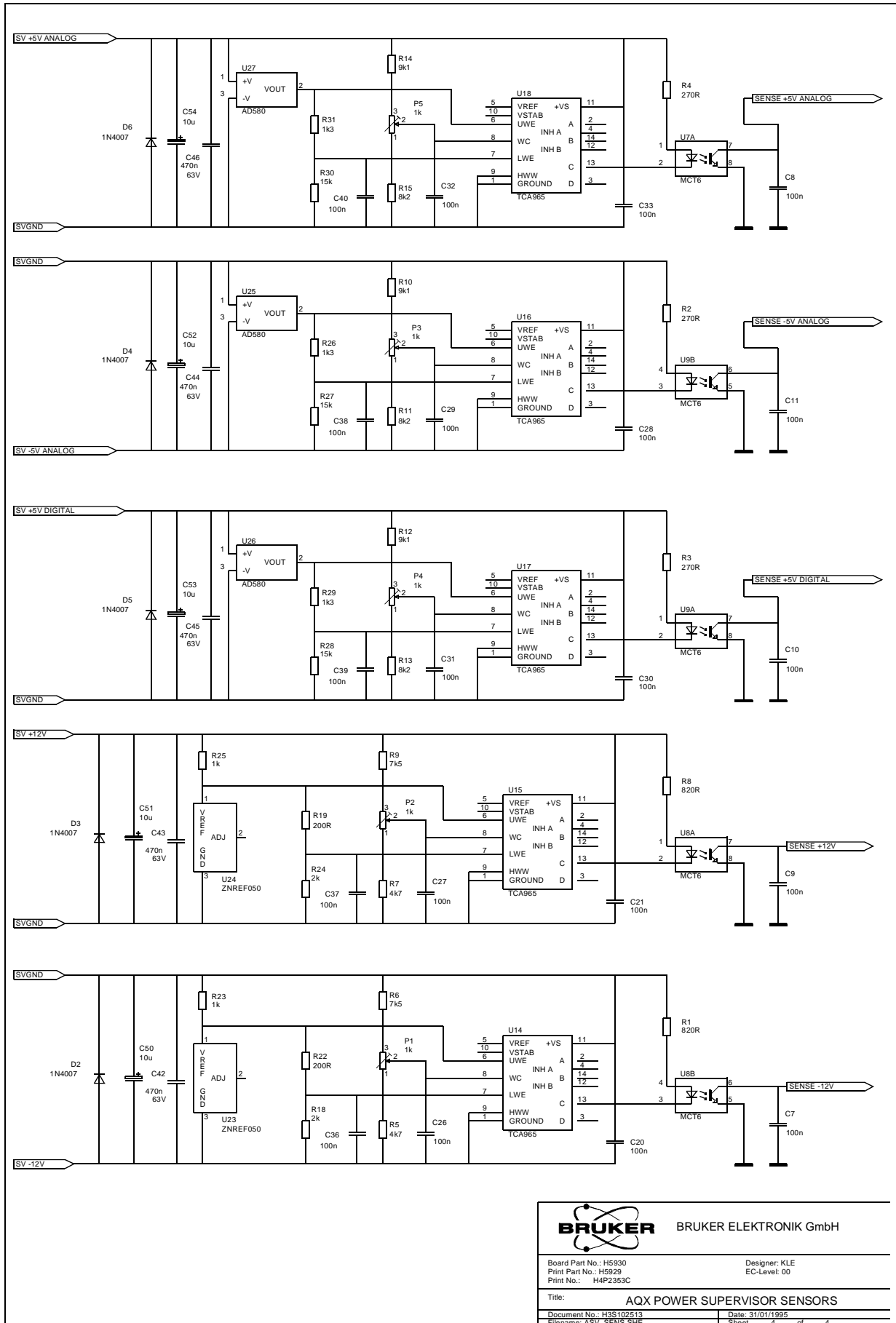
		BRUKER ELEKTRONIK GmbH	
Board Part No.: H5930		Designer: KLE	
Print Part No.: H5929		EC-Level: 00	
Print No.: H4P2353C			
Title:		AQX POWER SUPERVISOR SUPPLY & RELAY	
Document No.: H3S102493		Date: 31/01/1995	
Filename: ASV_POW.SHE		Sheet 2 of 4	





Figure 2.10. AQX Power Supervisor Sensors



<b>BRUKER</b>		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			

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