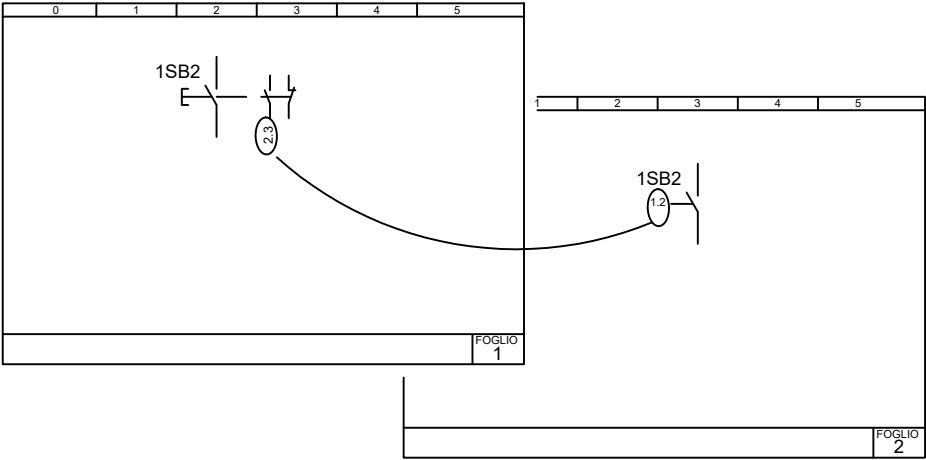
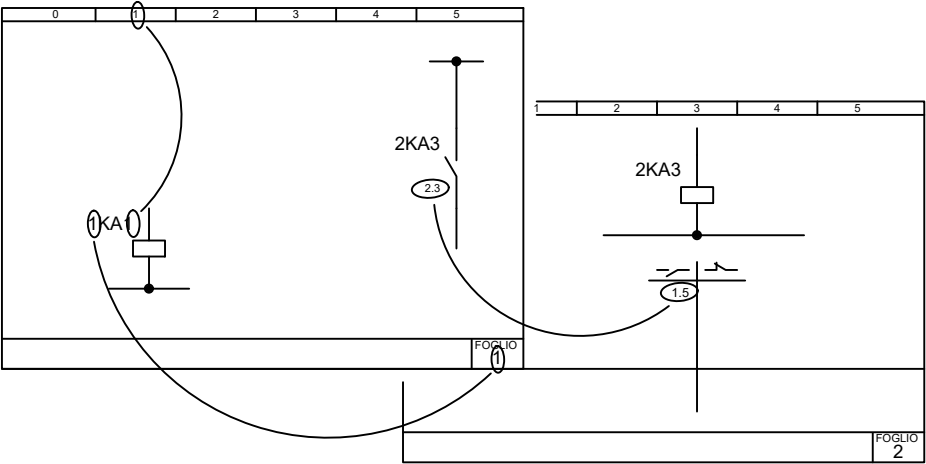


0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19																								
AITALMAC Heng Sheng Road , Gao Chun Economic Development Zone , NANJING,211300 P.R.CHINA										LOCATION SYMBOLS ☐ Components on the door ☐ Components inside the cubicle (usually omitted) ☐ Machine components (usually omitted)				COMPONENTS DESIGNATION C Condensers D CNC control model E Component not in this list F Protection Devices FU Fuses G Generators, feeders H Signalling devices KA Relays KM Contactors L Drives M Motors N Analog integrated circuits P Switching power supply Q Circuit breaker QS Highly versatile change over switch R Resistors SQ Sensor, Limit S Filter SB Buttons T Transformers U Modulators converters V Rectifiers, semiconductors EV Solenoid valves X Terminal wire clamps, connectors Y Electricity actuating devices																													
CLIENTE																																											
AITALMAC CO.,LTD																																											
MACHINE					MAIN POWER SUPPLY																																						
CNC EPR3500					VOLT. 220 FREQ. 50-60																																						
WIRING DIAGRAM					CUBICLE DIMENSION																																						
EPR3500-190303					L (mm) 1835 H (mm) 560 P (mm) 320																																						
CONDUCTORS DESIGNATION <table><tr><th>COLOR</th><th>FUNCTION</th><th>MINIMUM SECTION</th></tr><tr><td>BLACK</td><td>power circuit A.C./D.C.</td><td>1,0mm²</td></tr><tr><td>RED</td><td>A.C. auxiliary circuit</td><td>1,0mm²</td></tr><tr><td>BLUE</td><td>D.C. auxiliary circuit</td><td>1,0mm²</td></tr><tr><td>YELLOW GREEN</td><td>protection earth</td><td>2,5mm²</td></tr><tr><td>SCREEN CABLE</td><td>reference - signal</td><td>0.75 mm²</td></tr><tr><td>RED +/BLUE -</td><td>thermocouples</td><td>COMPENSATED CABLE</td></tr><tr><td></td><td>PLC circuit</td><td>0,2mm² (0,5mm² I<2A)</td></tr></table>										COLOR	FUNCTION	MINIMUM SECTION	BLACK	power circuit A.C./D.C.	1,0mm²	RED	A.C. auxiliary circuit	1,0mm²	BLUE	D.C. auxiliary circuit	1,0mm²	YELLOW GREEN	protection earth	2,5mm²	SCREEN CABLE	reference - signal	0.75 mm²	RED +/BLUE -	thermocouples	COMPENSATED CABLE		PLC circuit	0,2mm² (0,5mm² I<2A)	COLORS WH WhiteGY Gray YE YellowBU Blue RD RedBK Black OG OrangeGNYE GreenYellow				MAIN CIRCUIT BREAKER OPERATING TIME: _____ SYMMETRICAL SHORT-CIRCUIT CURRENT: _____					
COLOR	FUNCTION	MINIMUM SECTION																																									
BLACK	power circuit A.C./D.C.	1,0mm²																																									
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										WARNING: THE PROTECTION OF THE MAIN POWER SUPPLY AND THE CONNECTION TO THE EARTH'S SYSTEM ARE DEPENDANT ON THE CUSTOMER. IN RESPECT TO THE EUROPEAN STANDARD EN60439-1 SPECIFICATIONS - CEI 17-13.1 DOSSIER 1433 - AND DPR 547 DD 27/04/1955, THE MAIN POWER SUPPLY MUST BE PROTECTED WITH A PROPER MAGNETIC-THERMAL SWITCH HAVING BREAKING CAPACITY NOT LOWER THAN 10 KILOAMPERE.																																	
THE WIRING DIAGRAM IS INDICATED WITHOUT TENSION, AIR, OIL AND WATER FLOW.																																											
AitalMac www.aitalmac.com			Designed By : ZLJ			Checked By :			Trimness By :			Description : MACHINE INFORMATION																															
Machine : EPR3500						Date: 09.18.2019			Revision: EPR3500-190303				Approved By :			Pag. 1	Next. 2																										

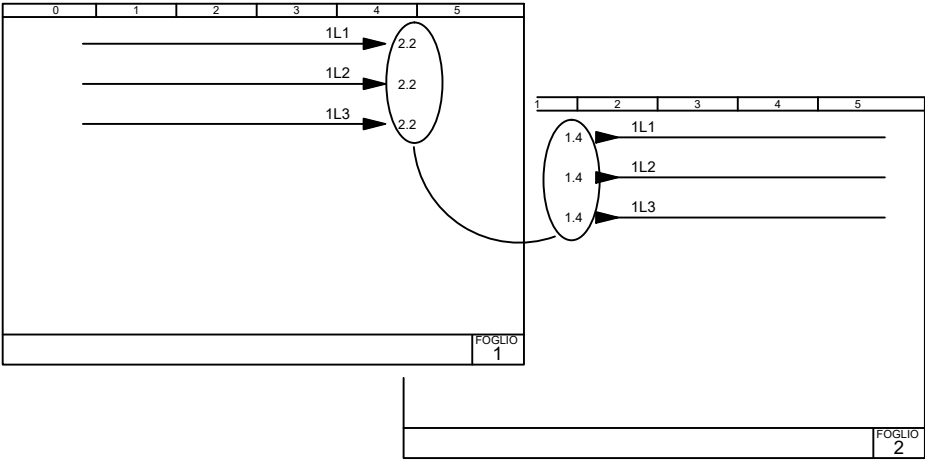
COMPONENT REFERENCE



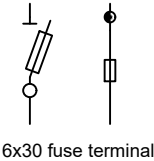
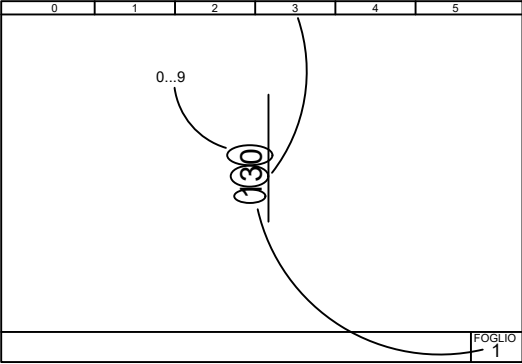
COMPONENT NAME/COIL-CONTACT POSITION

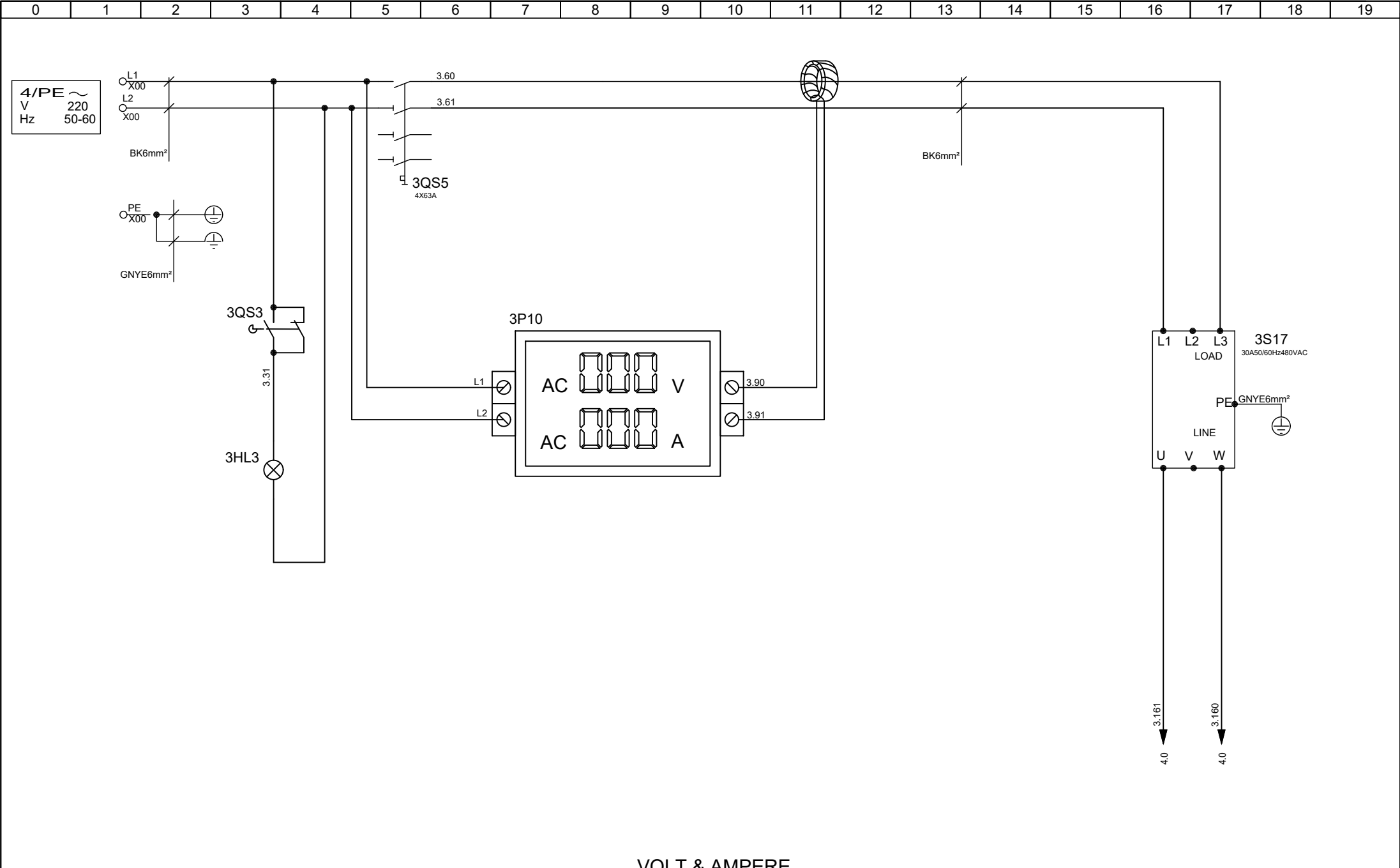


SIGNALS



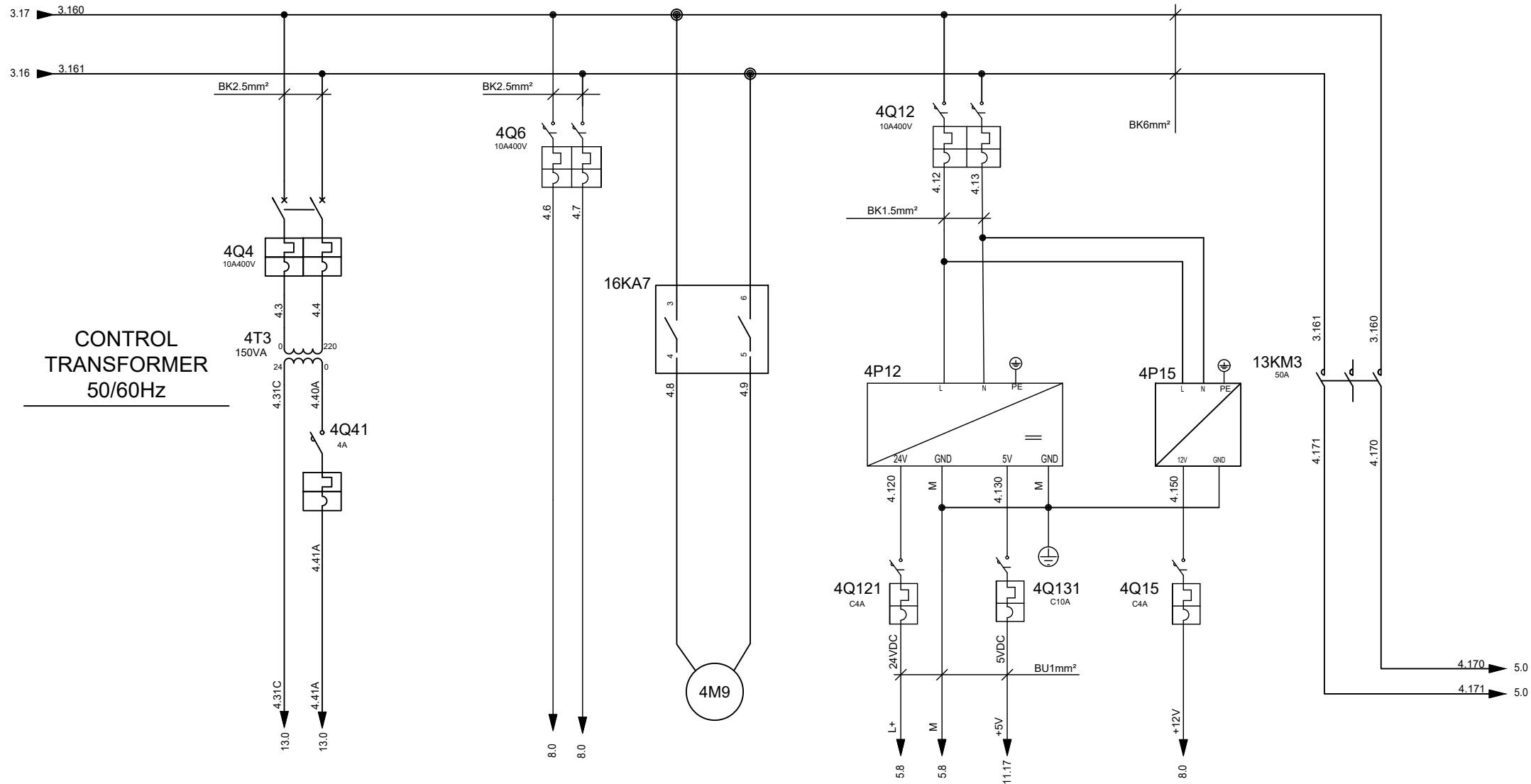
WIRE NUMBER





GENERAL SWITCH

VOLT & AMPERE
DIPLAY



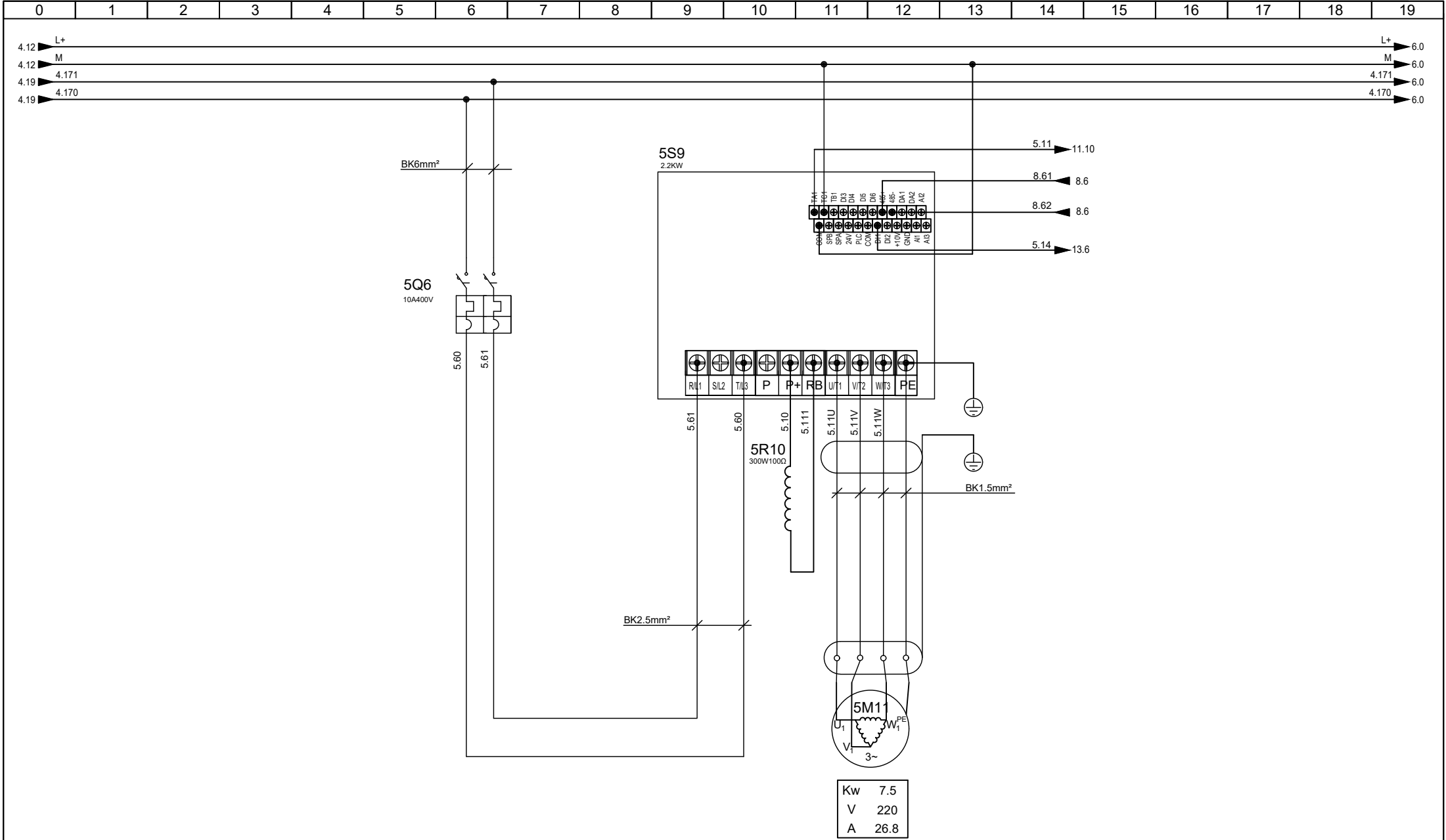
AUXILIARY CIRCUIT
POWER SUPPLY

CNC
POWER

GREASE
PUMP

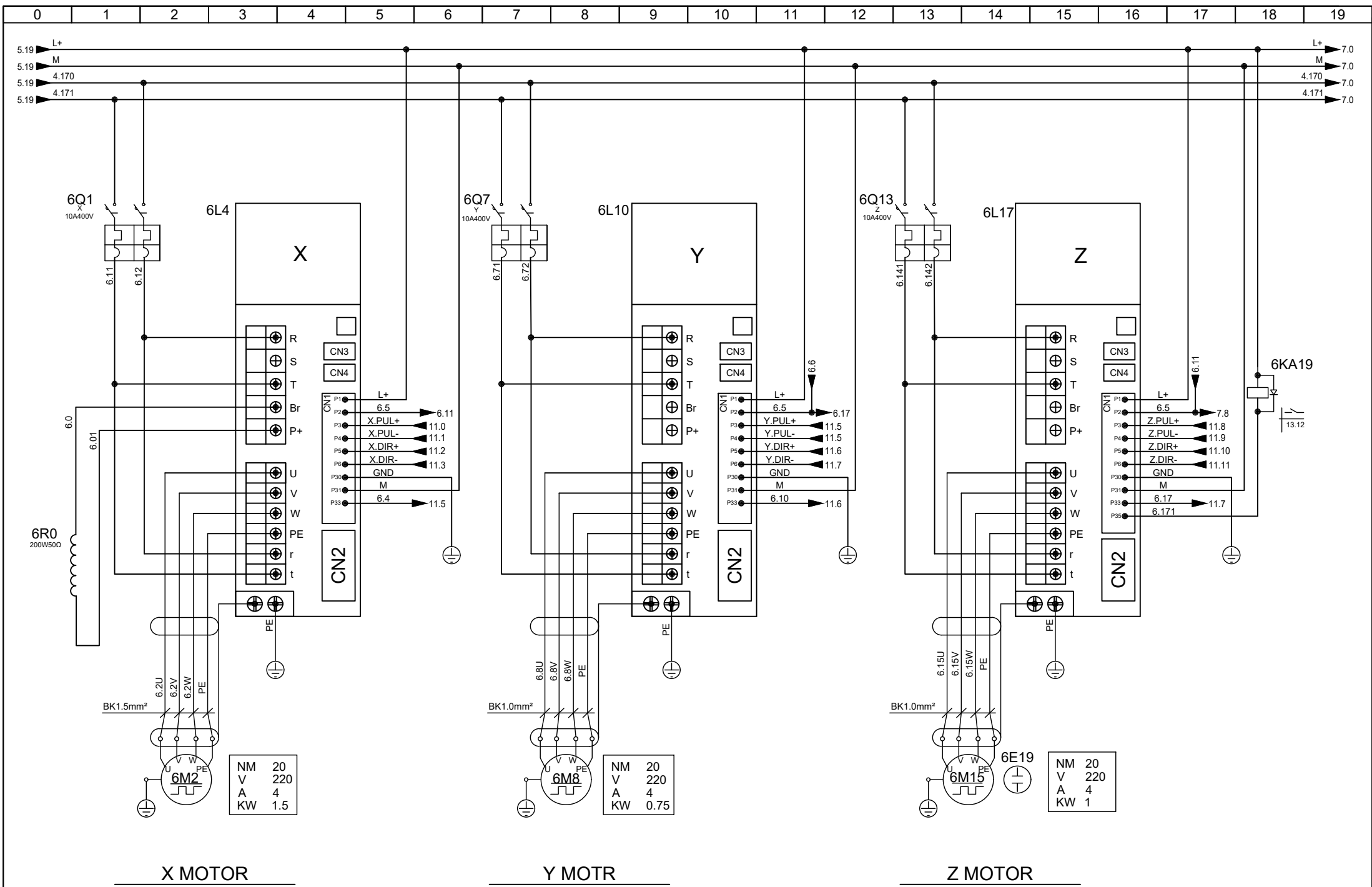
POWER SUPPLY
24VDC4A 5VDC6A

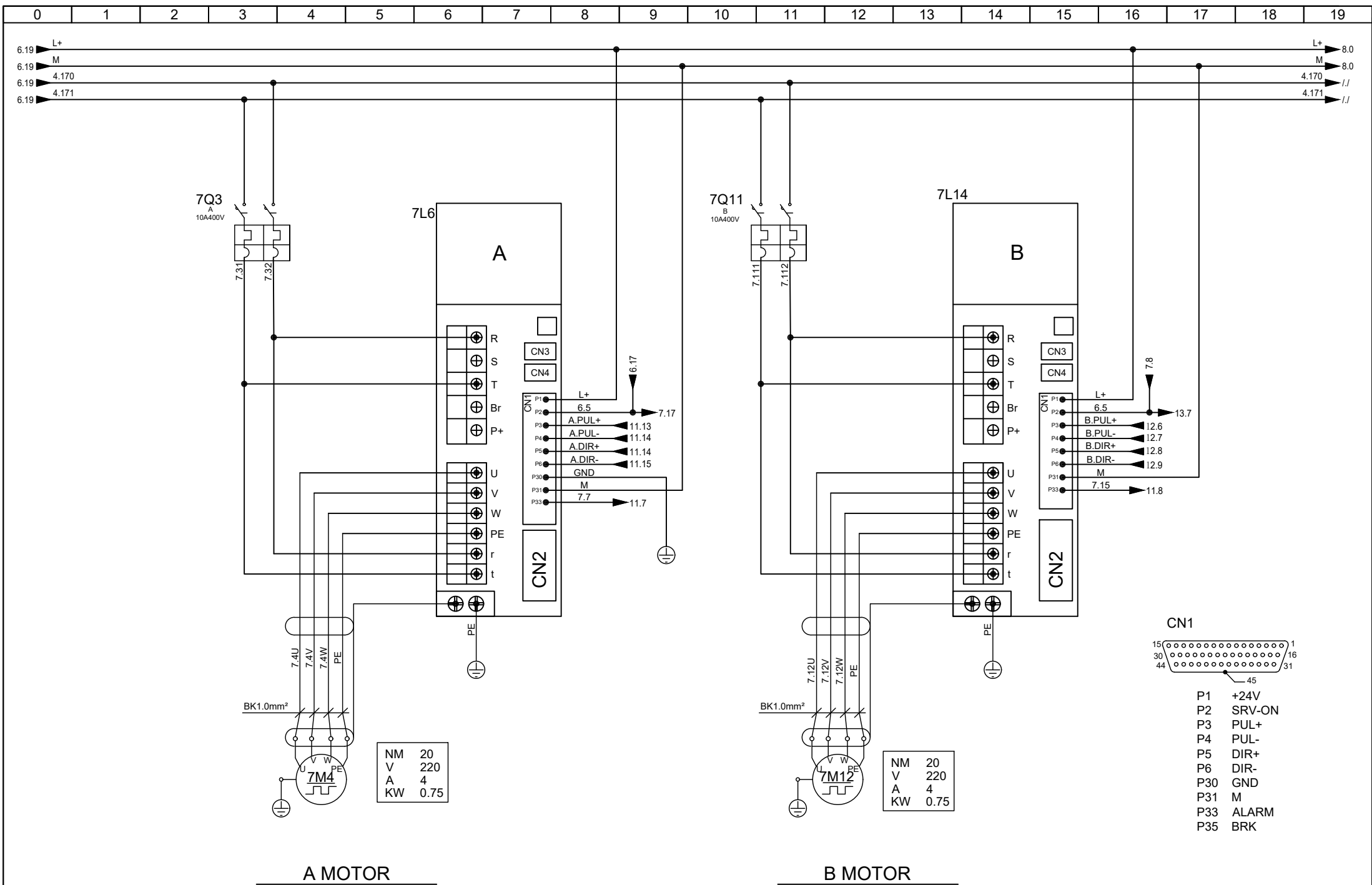
GENERAL
CONTACTOR

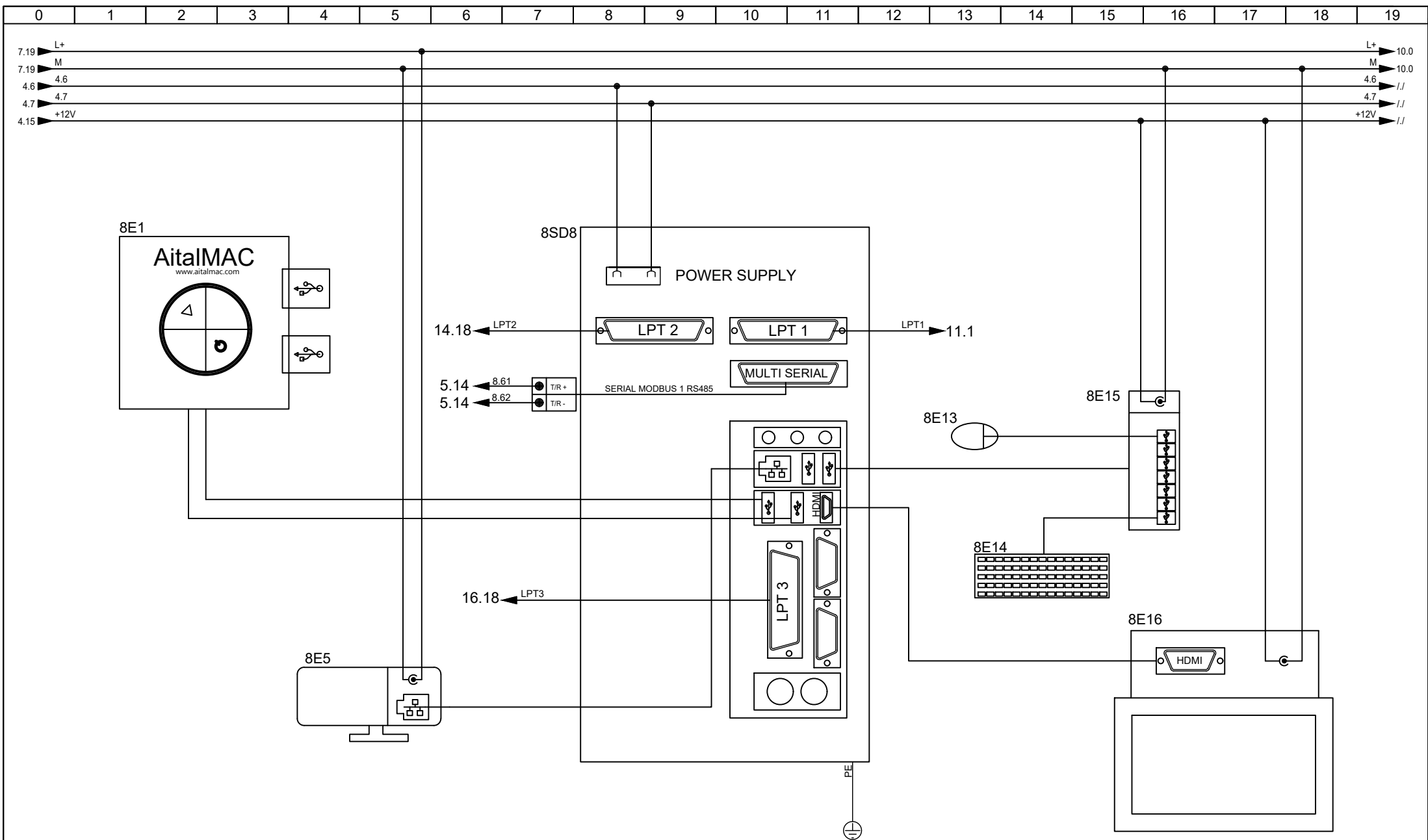


INVERTER FILTER

SPINDLE MOTOR







COMPUTER POWER
ON/OFF BUTTON

WIFI ROOT

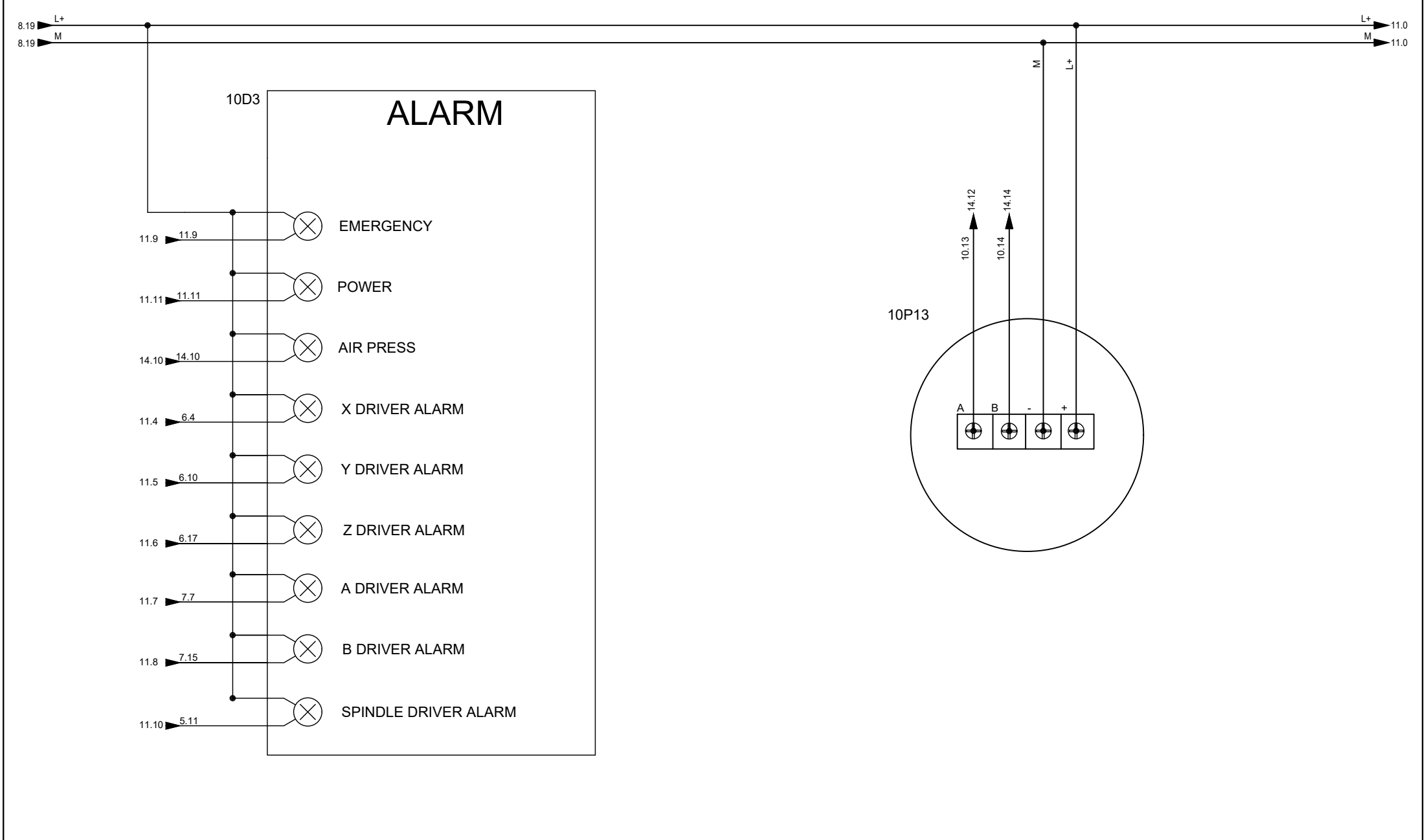
AITEK INDUSTRIAL COMPUTER
9 AXIS CNC CONTROLLER
ONLINE MONITORING SYSTEM

MOUSE&KEYBOARD
&USB-HUB

MONITOR&MONITOR
POWER SUPPLY

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19

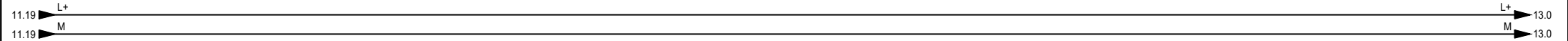
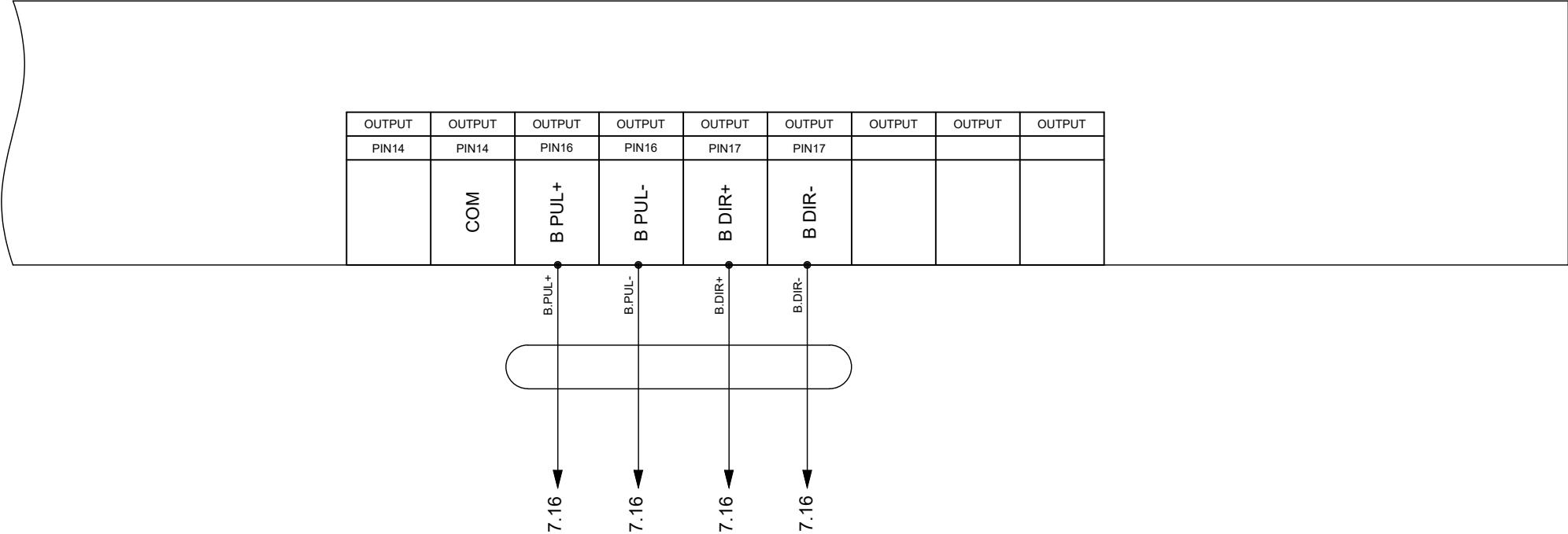
AitalMac www.aitalmac.com	Designed By : ZLJ	Checked By :		Trimness By :		Description :			
	Machine : EPR3500	Date: 09.18.2019		Revision: EPR3500-190303		Approved By :		Pag. 9	Next. 10

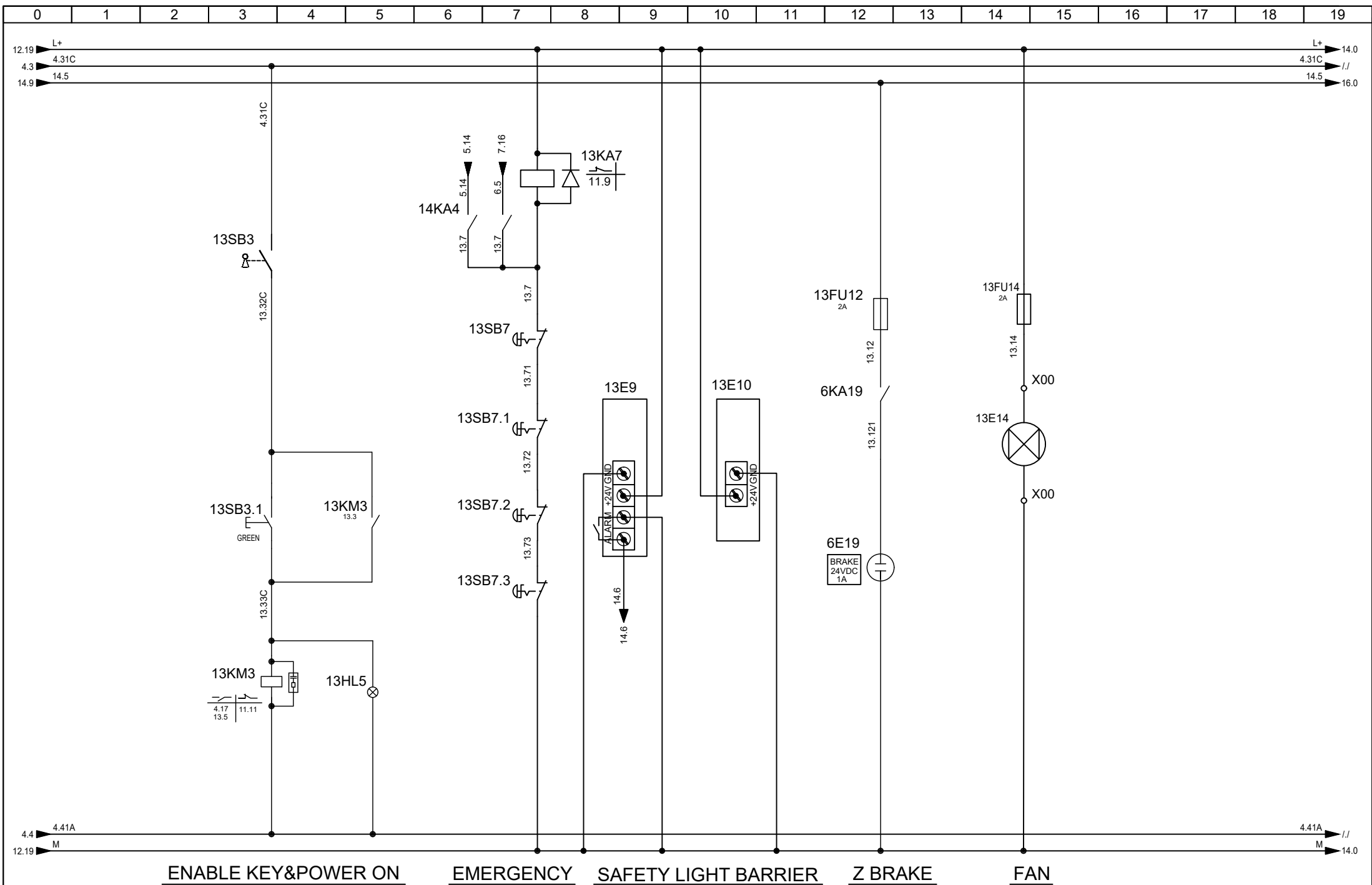


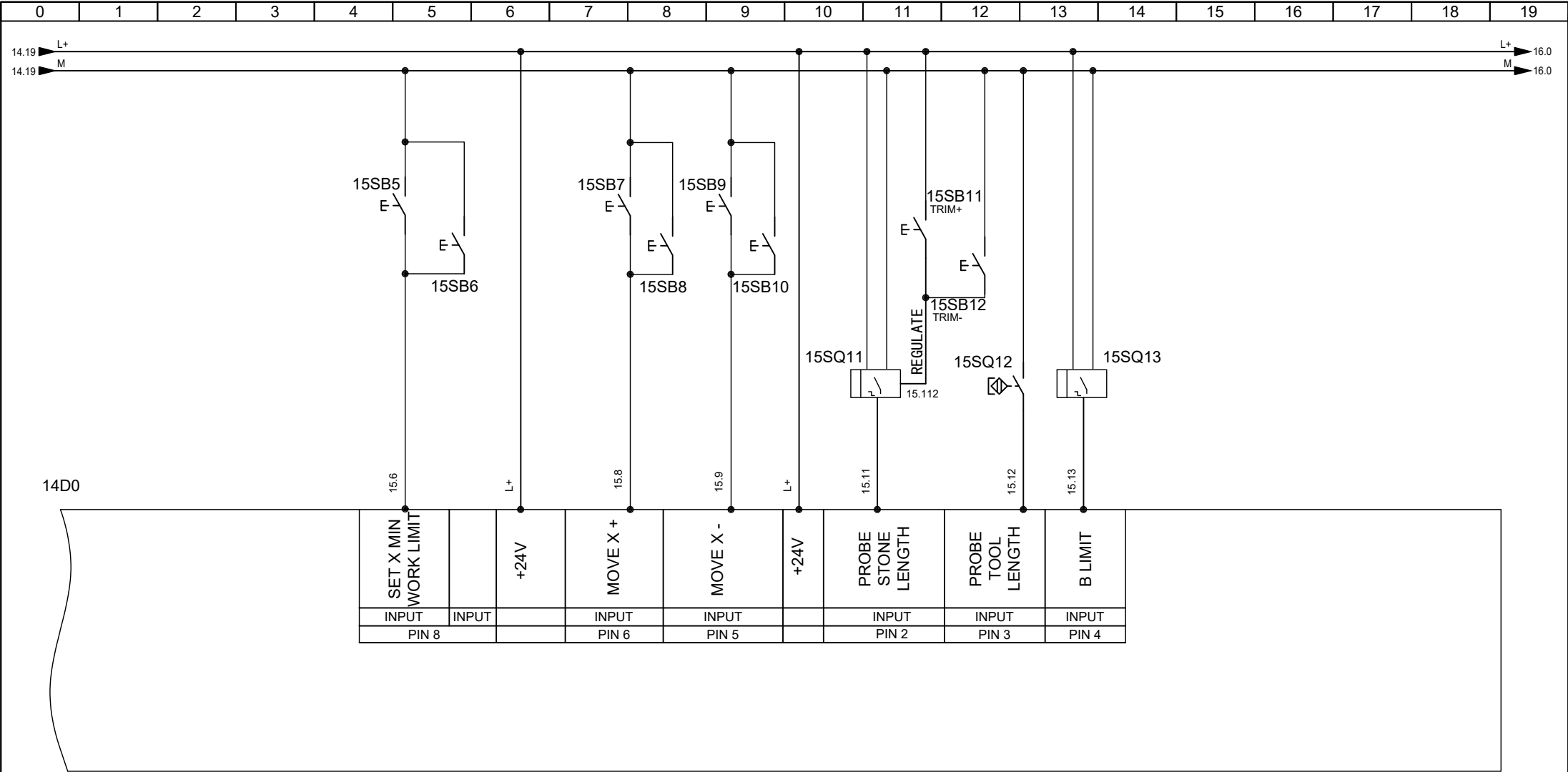
ALARM LIGHT

SPEED CONTORL
WHEEL

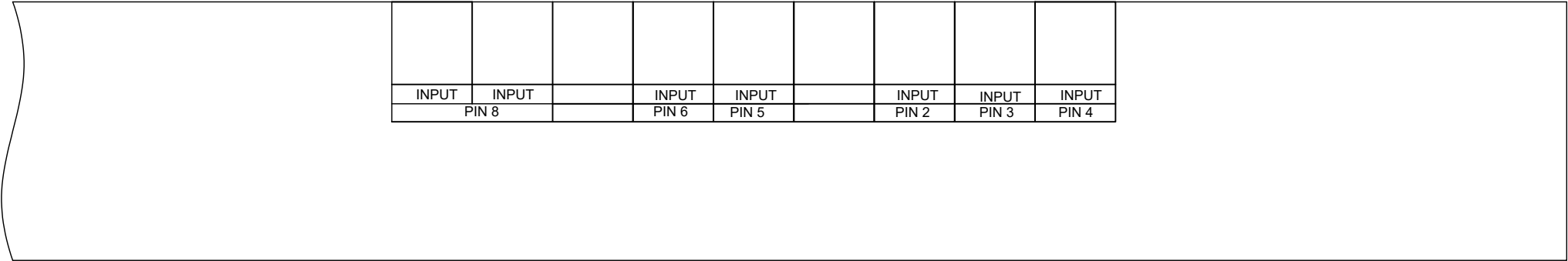
11D0

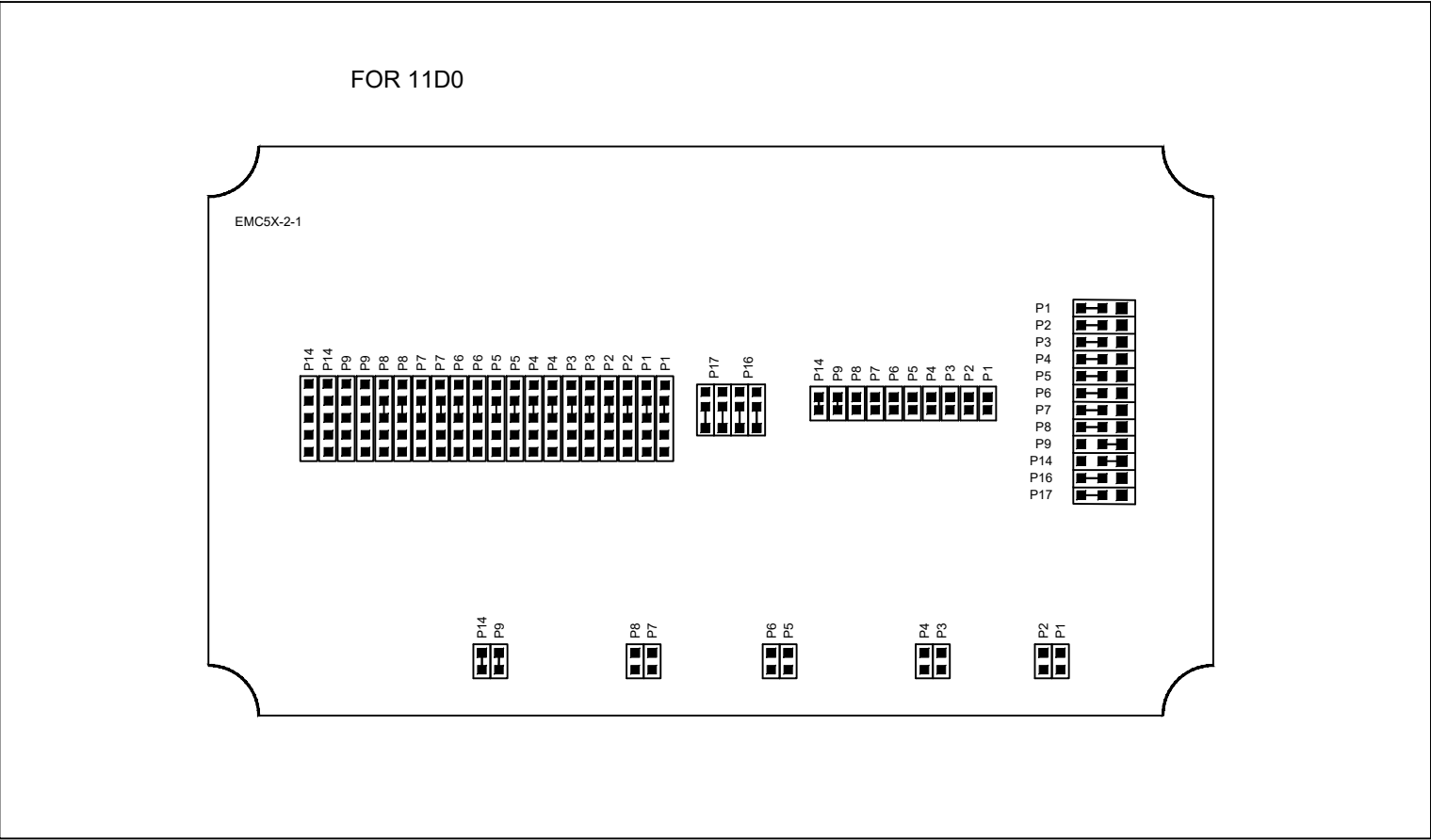






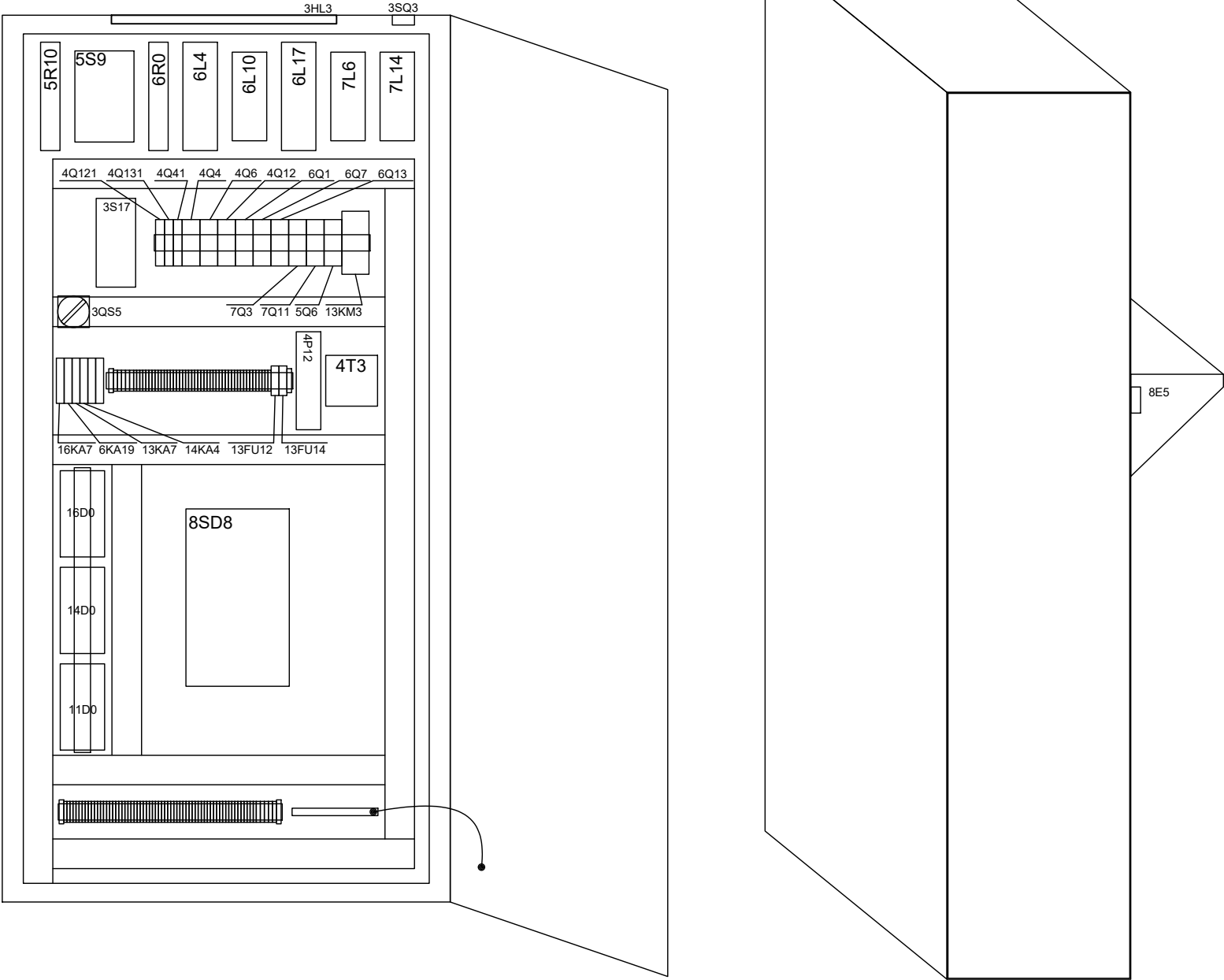
16D0





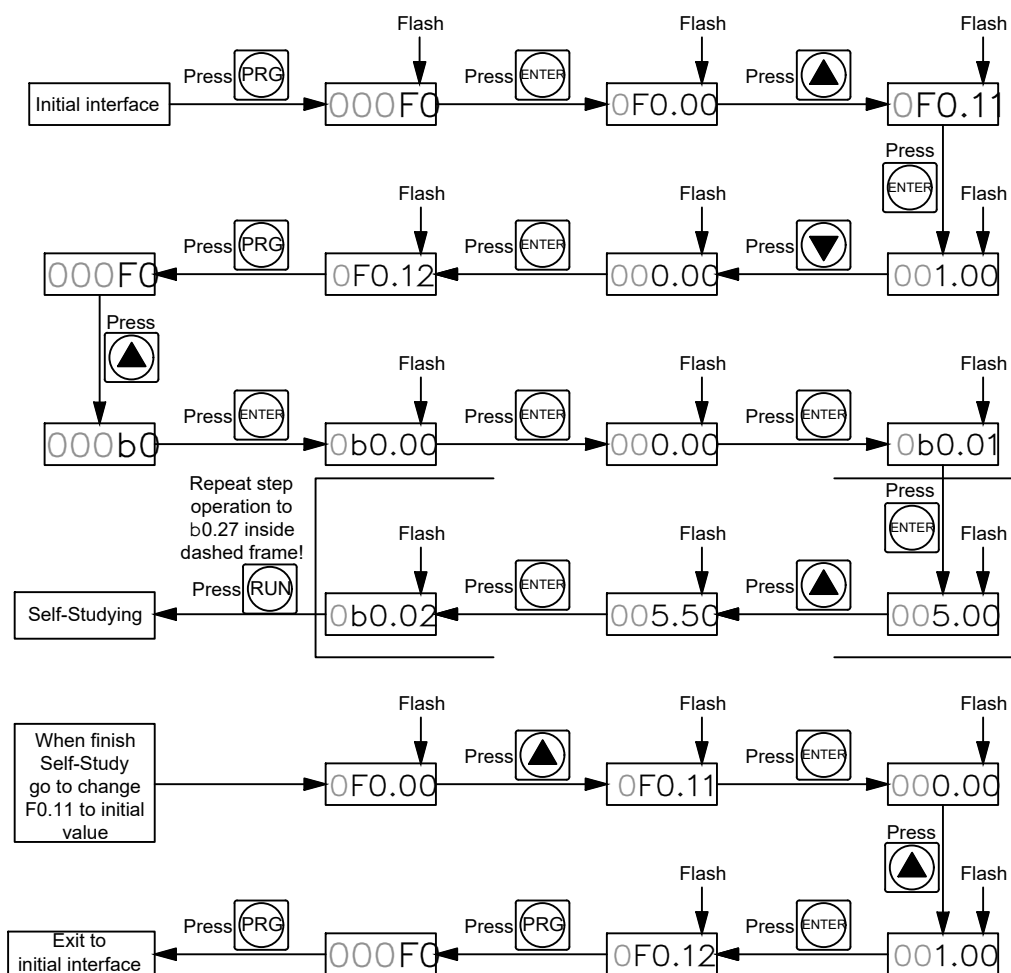
OUTPUT CONTROL CARD JUMPERS SETTING

Aitalmac www.aitalmac.com	Designed By ZLJ	Checked By	Approved By	Trimness By	Description COMPONENTS INFORMATION			
	Machine EPR3500	Date 09.18.2019	Revision EPR3500-190303		Note		Page 19	Next 20



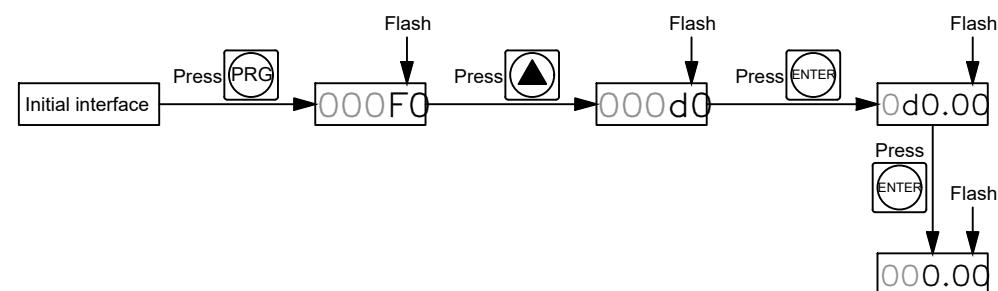
Motor Self-Study

F0.11=0	b0.03=9.8
b0.00=0	b0.04=60
b0.01=2.2	b0.05=1710
b0.02=220	b0.27=2



Monitoring Function

d0.00	Output Frequency
d0.01	Input Frequency
d0.14	Motor Speed
d0.18	High speed pulse input frequency



Inverter Parameter

Name	Range	Default	Units
F0.00	0,1,2	2	
F0.01	0.00Hz~F0.19(MAX)	1000	Hz
F0.02	1:0.1Hz,2:0.01Hz	1	
F0.03	0~9	9	
F0.04	0~9	0	
F0.11	0,1,2,3,4	1	
F0.13	0.0s~6500s	15	
F0.14	0.0s~6500s	15	
F0.18	0.5k~16k	10K	Hz
F0.19	50.00Hz~3200.00Hz	1000.00	Hz
F1.04	-	30	
F9.00		6005	9600BPS
F9.01	0~3	3	(8-N-1)
F9.02	1~250	6	
F9.05	0~3	1	MODBUS
F9.07		0	MODBUS

Servo Driver Parameter

Name	Range	X	Y	Z	A	B
PA-003		13	13	13	13	13
PA-004		750	750	800	800	450
PA-006	0/1	0	0	0	0	0
PA-016		50				
PA-017		200				
PA-222		1000	1000	1000	1000	1000
PA-410	101-181	181	181	181	181	181
PA-529		53	53	53	53	53
PA-531	1-256	1	2	3	4	5