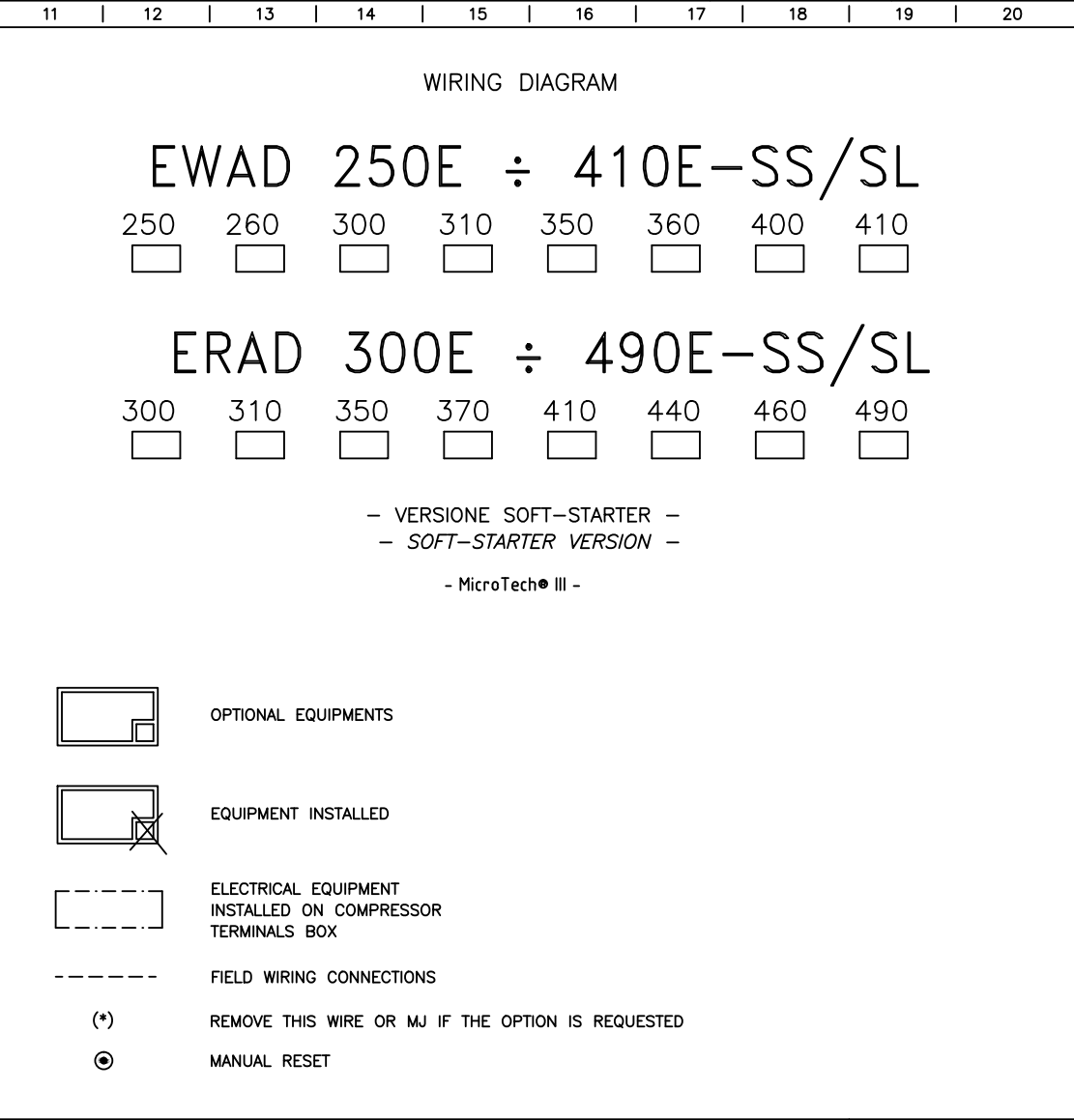


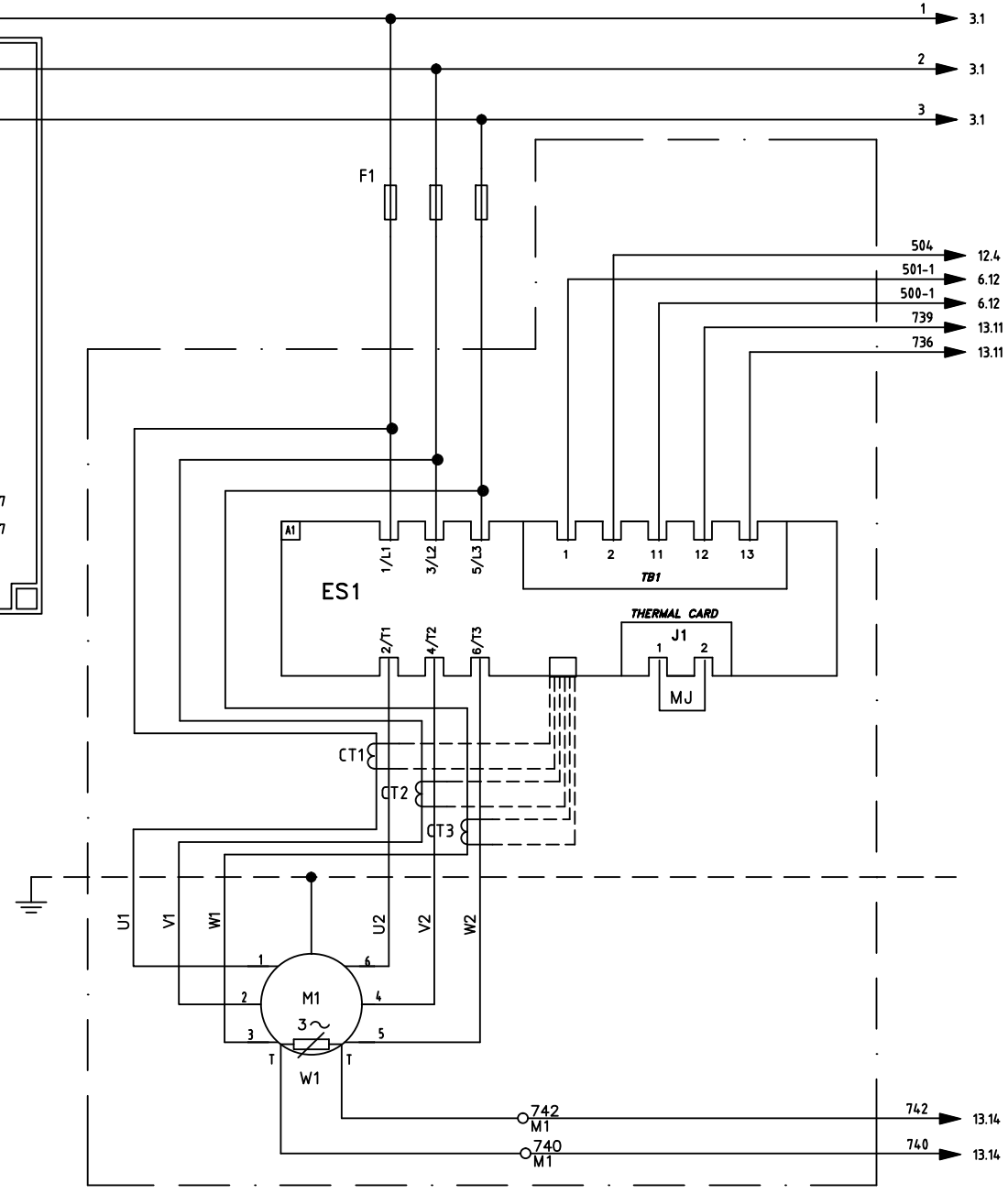
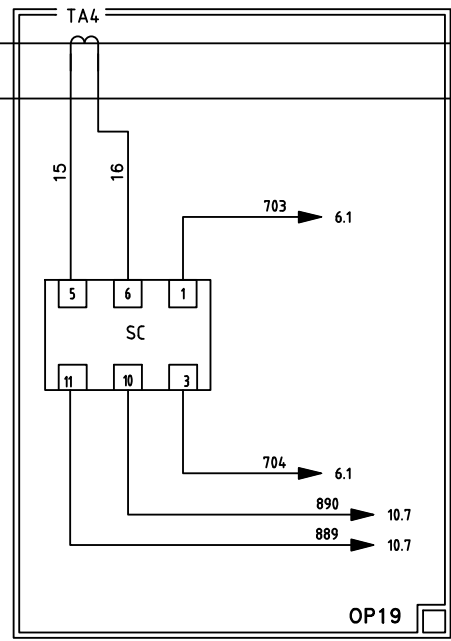
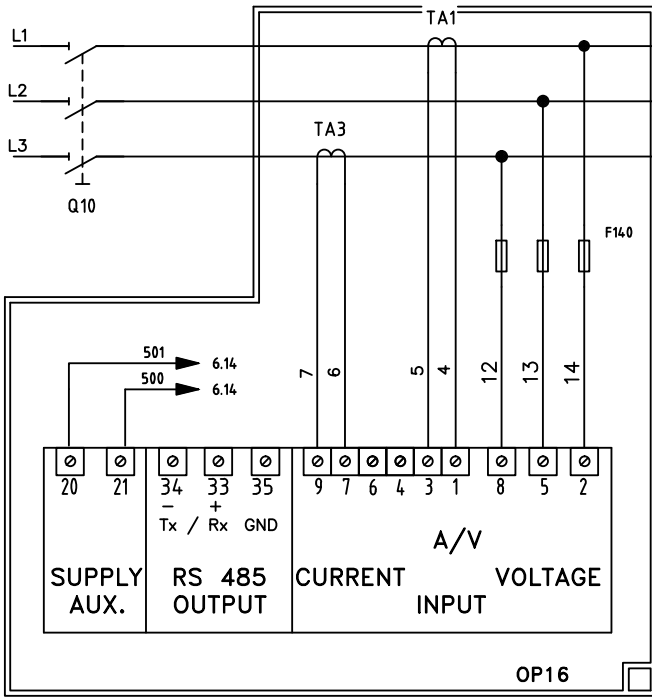
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SHEET	DESCRIPTION								
1	FRONT PAGE								
2	POWER COMPRESSOR								
3	CRANCASE HEATERS POWER SUPPLY								
4	KIT PUMPS								
5	CIRCUIT FAN POWER SUPPLY								
6	UNIT CONTROL CIRCUIT POWER SUPPLY								
7	ANALOG INPUTS-OUTPUT BOARD								
8	DIGITAL INPUTS BOARD								
9	DIGITAL OUTPUTS BOARD								
10	EXPANSION INPUT / OUTPUT UNIT ALARM & LIMITING								
11	HEAT RECOVERY CONTROL BOARD (OPTIONAL)								
12	EXPANSION CONTROL COMPRESSOR								
13	EXPANSION CONTROL COMPRESSOR								
14	EEXV COMPRESSOR								
15	PUMPS CONTROL								
16	COMMUNICATION MODULES (OPTIONAL)								
17	MORSETTIERA M01 - M1								
18	MORSETTIERA M400 - M115 - M24								
19	MORSETTIERA MC115 - MC24								
20	LEGENDA								
21	LEGENDA								
22	LEGENDA								
23	NOTE								
24	FIELD WIRING CONNECTION								



REV.	DATE	HISTORY REVISIONS	DWG.	CHECK.	PASSED.
6	10-10-11	Revised pag. 2 e 23	M.P.	M.P.	
5	28-07-11	Added terminal "529" M115 to pag.12	M.P.	M.P.	
4	14-03-11	Revised "OP16" to pag. 2	M.P.	M.P.	
3	14-01-11	Changed EEXV to pag. 14	M.P.	M.P.	
2	15-12-10	Changed fans VFD as ECO. 2899 to pag. 5	M.P.	M.P.	
1	24-09-2010	Added "CU" indication version to pag. 6-12-14	M.P.	M.P.	

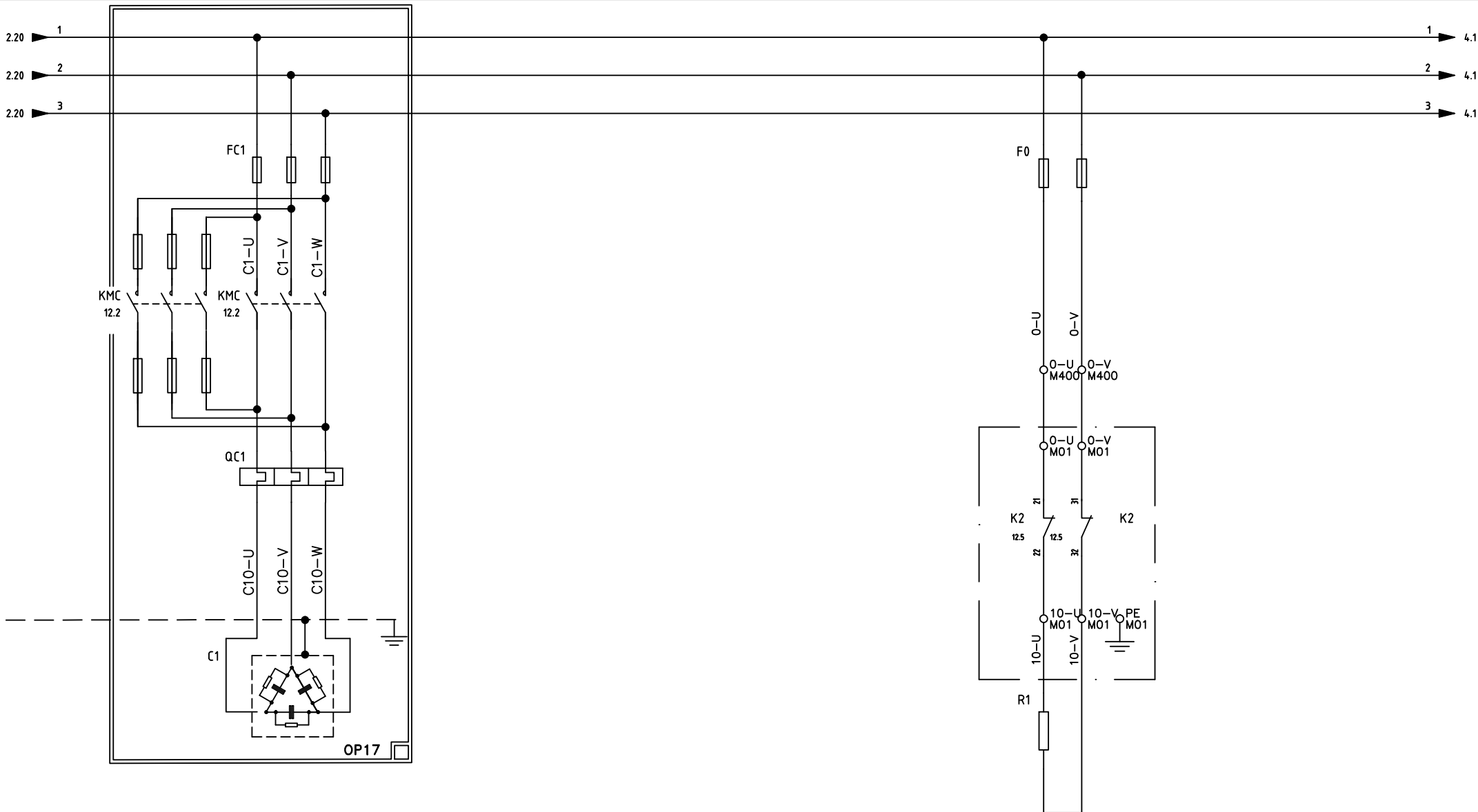
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DATE:	08/09/2010	Code ID:
REV:	6	DWG.
DAIKIN EUROPE NV		CHECK.
<small><i>This document is reserved property. Reproduction or use for any purpose without our authorization is strictly forbidden by law.</i></small>		PASSED.

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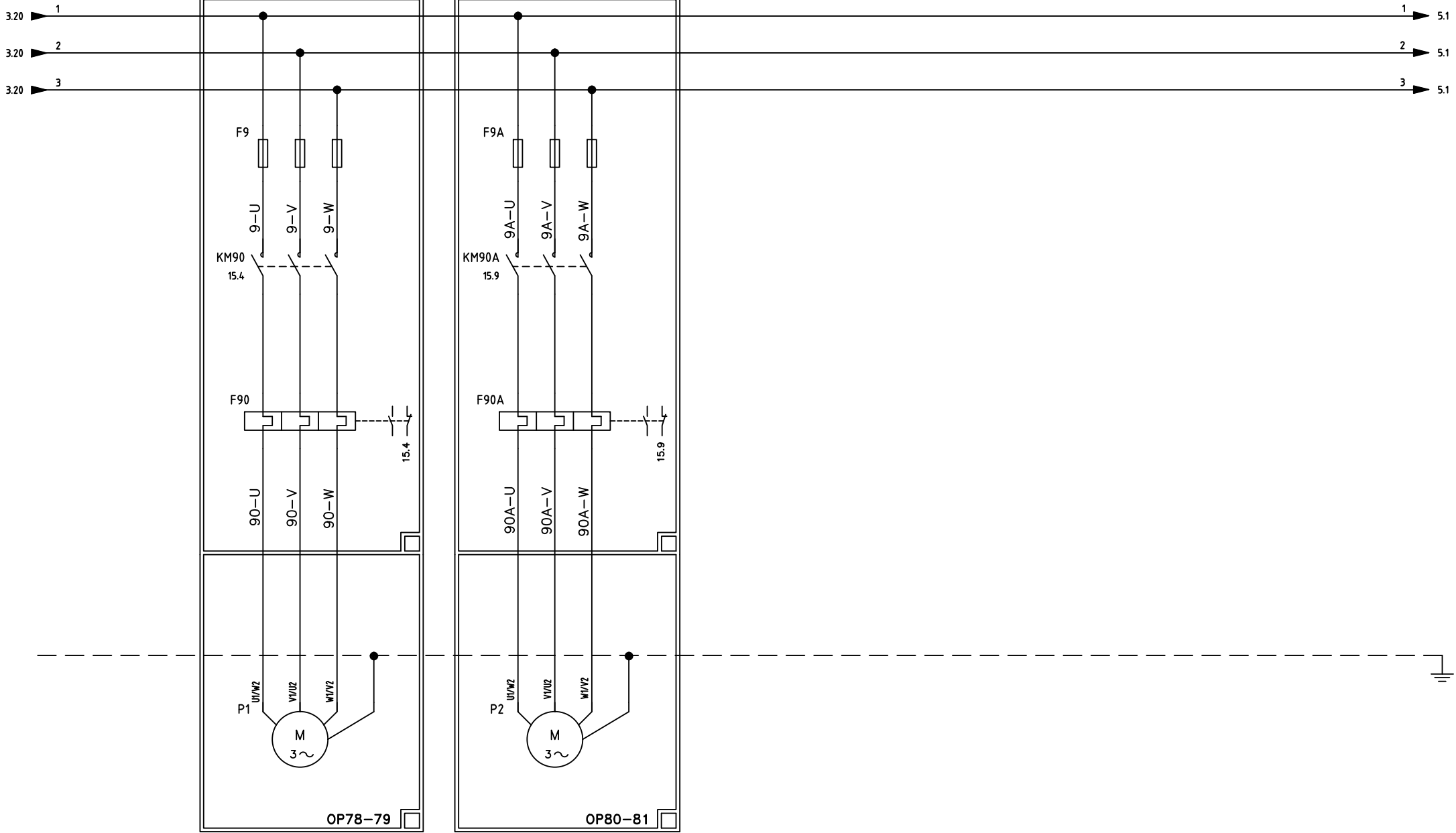


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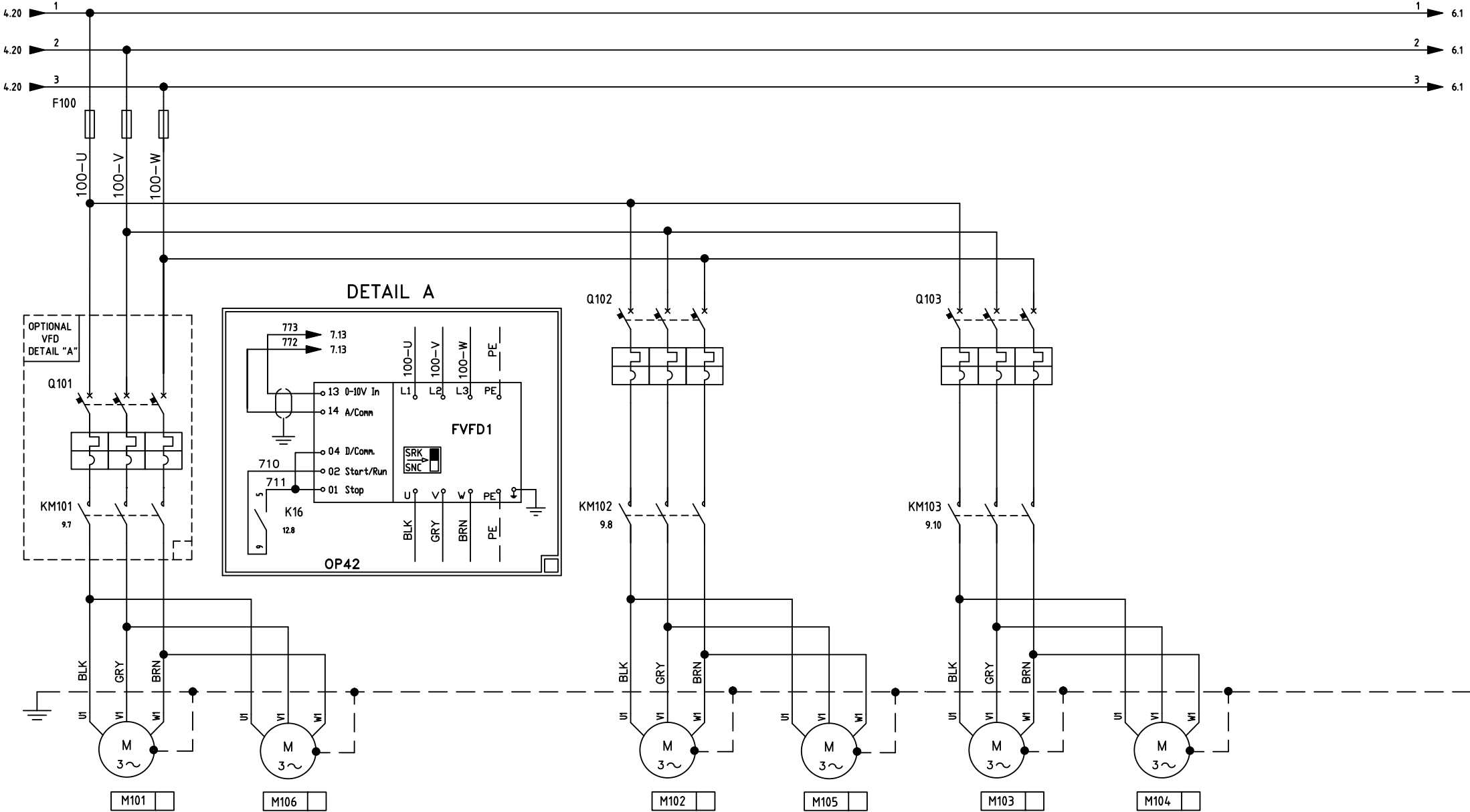
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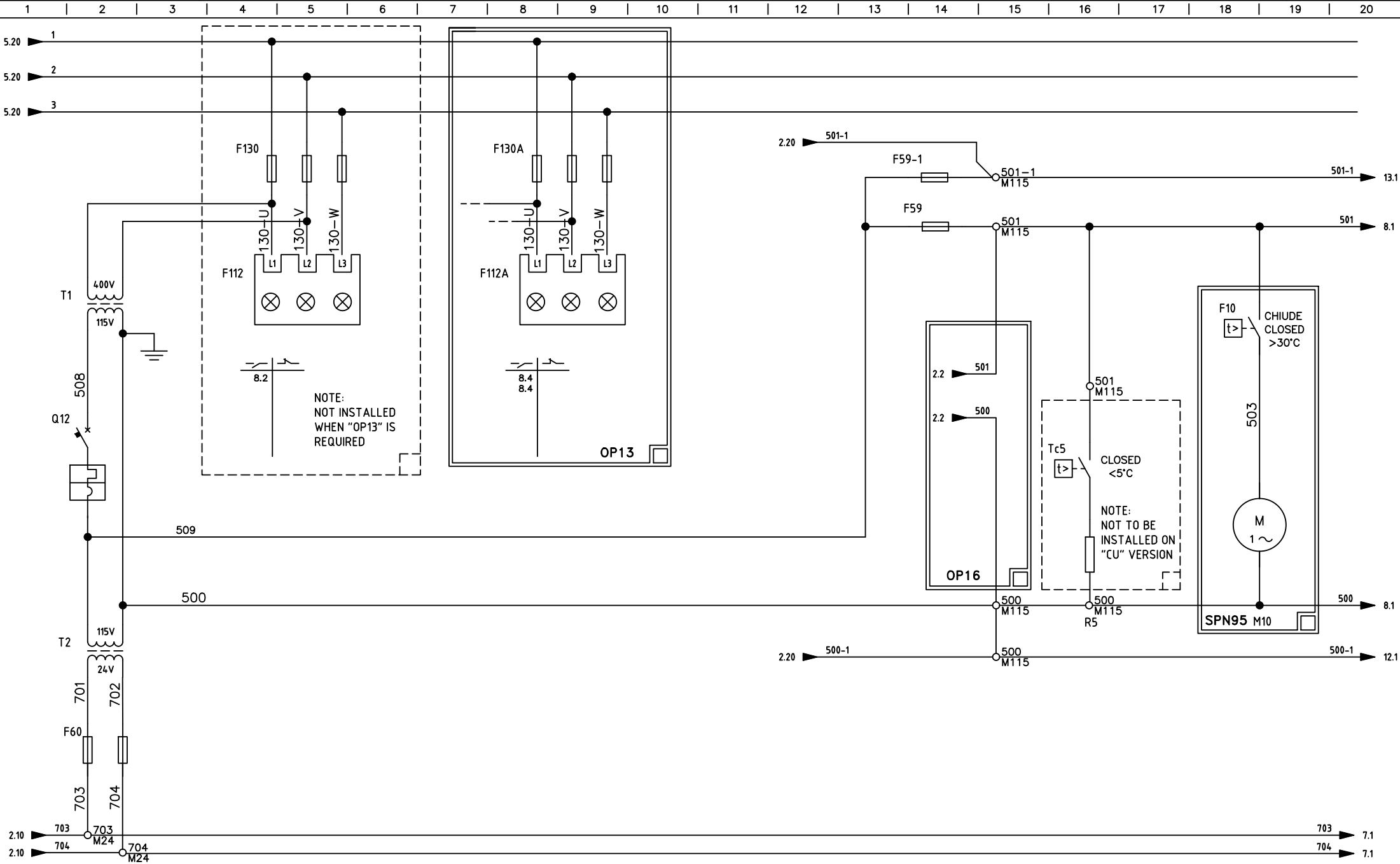
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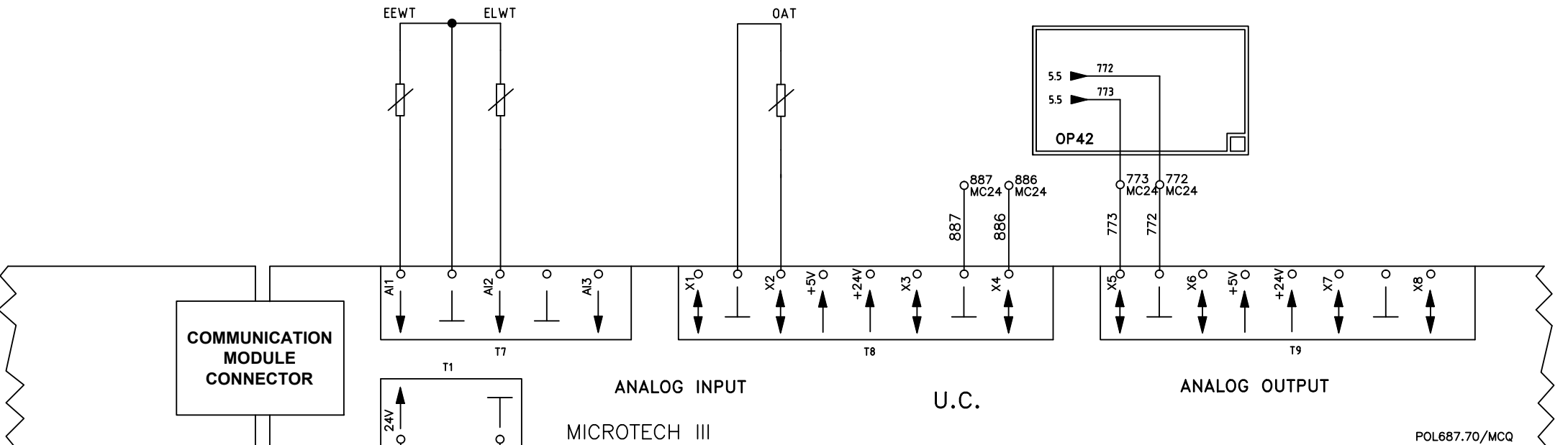
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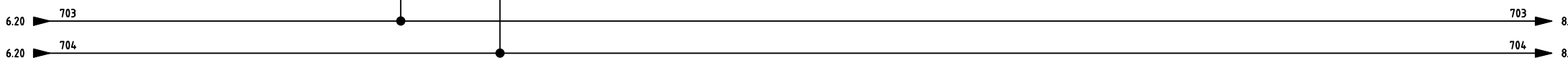
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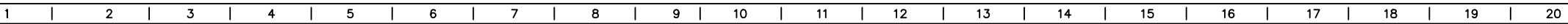
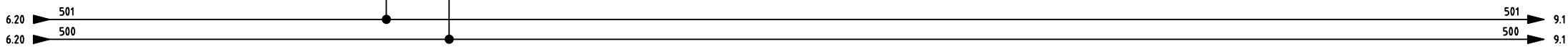
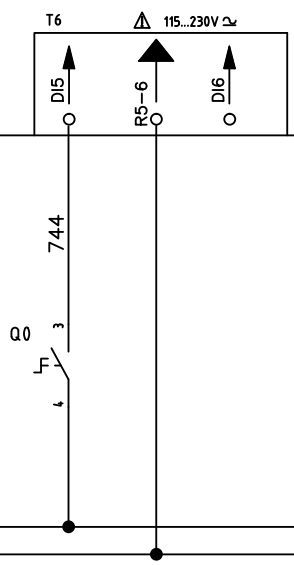
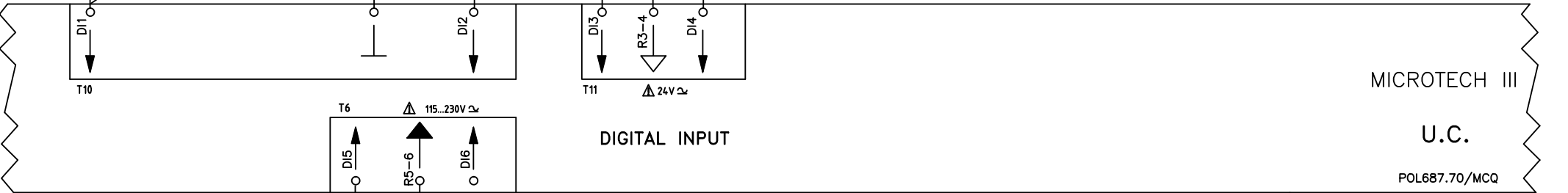
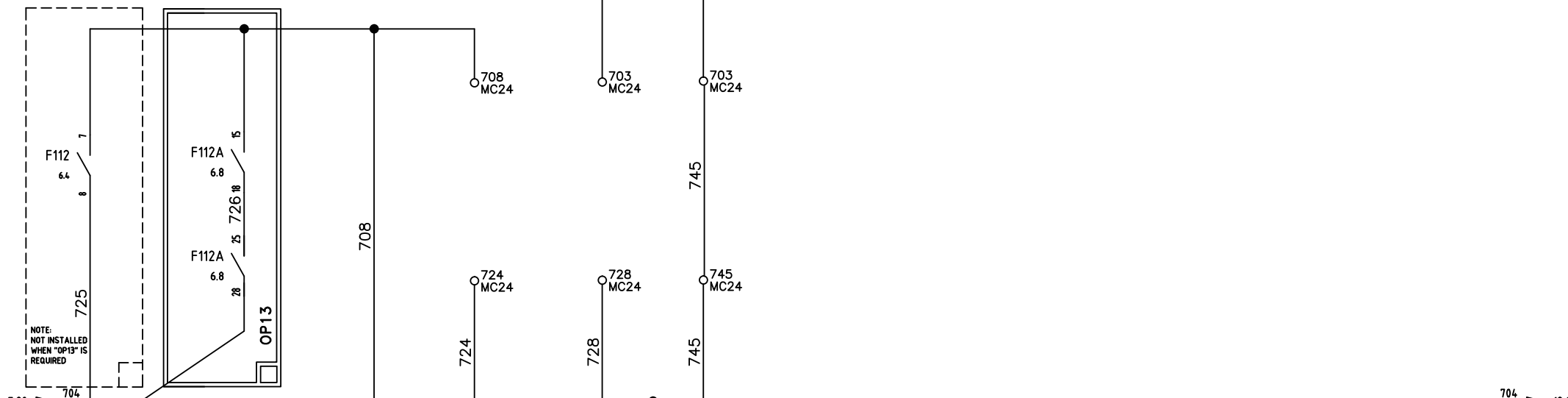
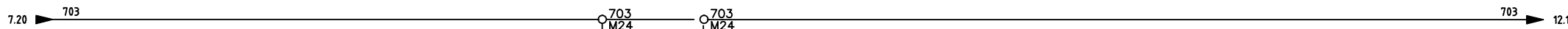
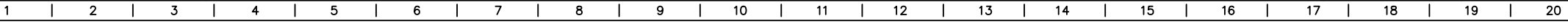
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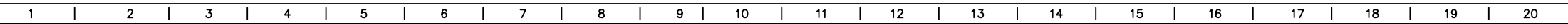
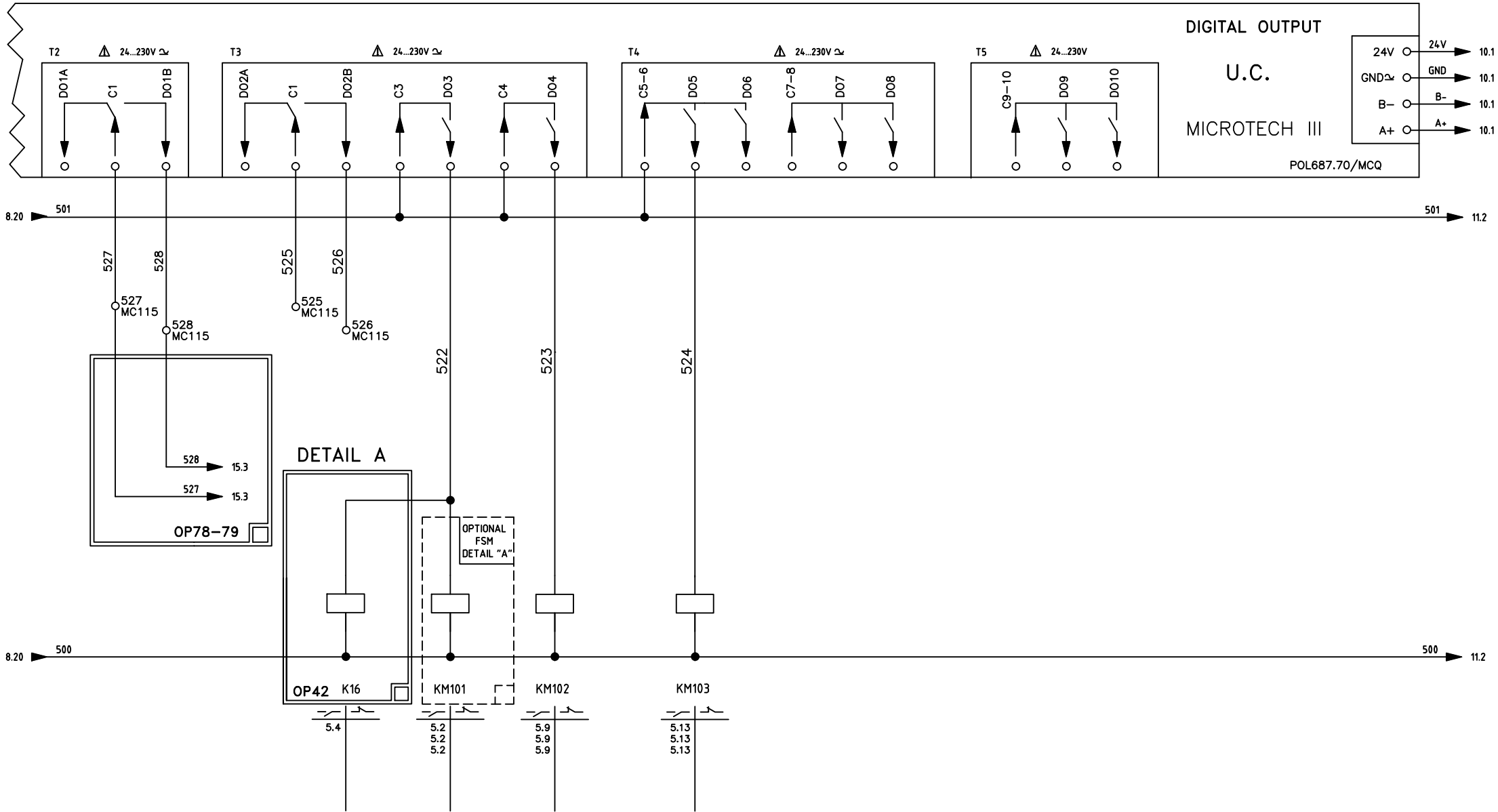
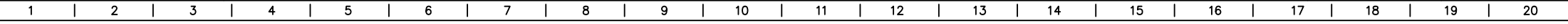


NOTE:
COMMUNICATION MODULE
(SEE SHEET 16)

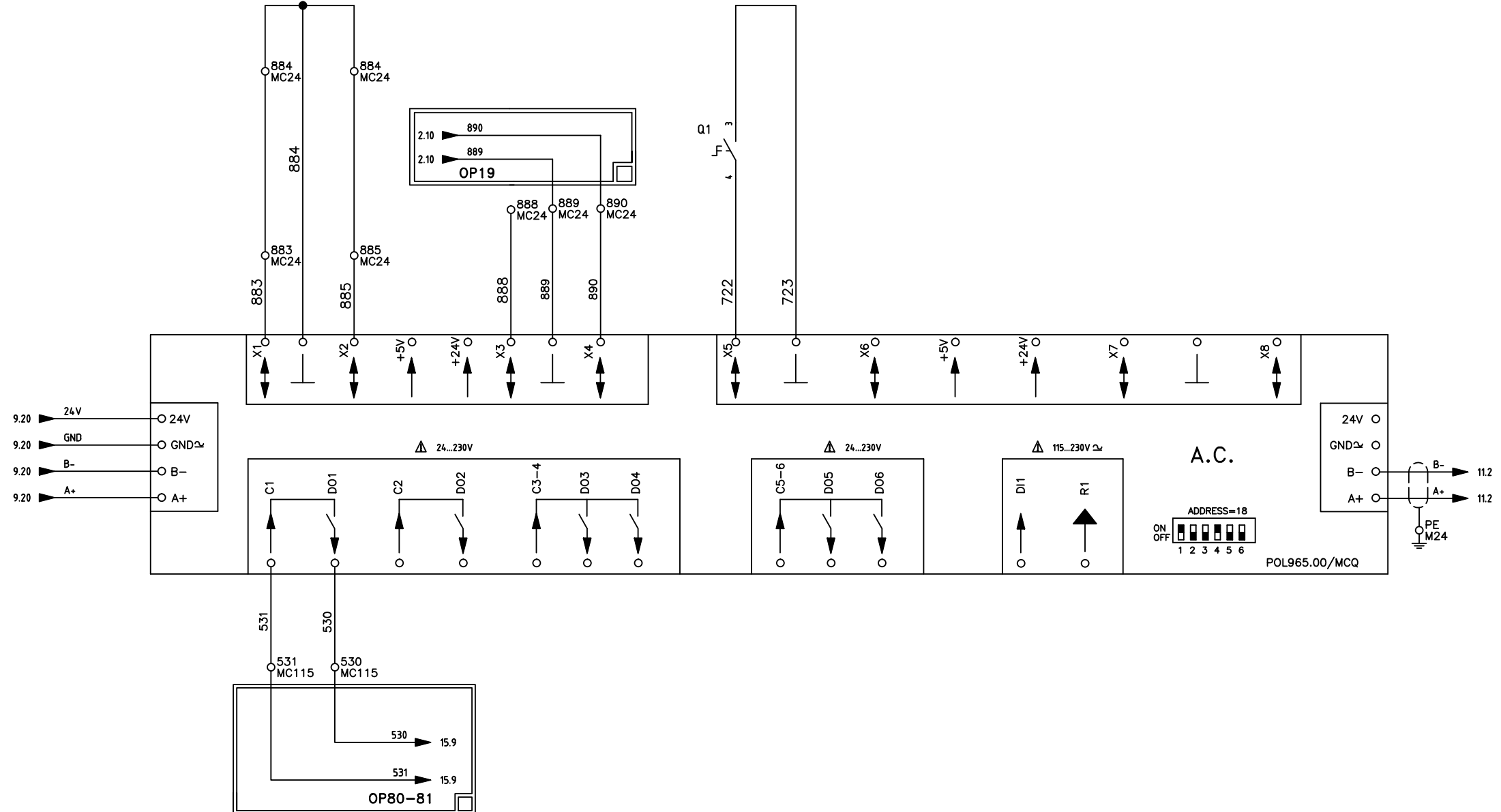


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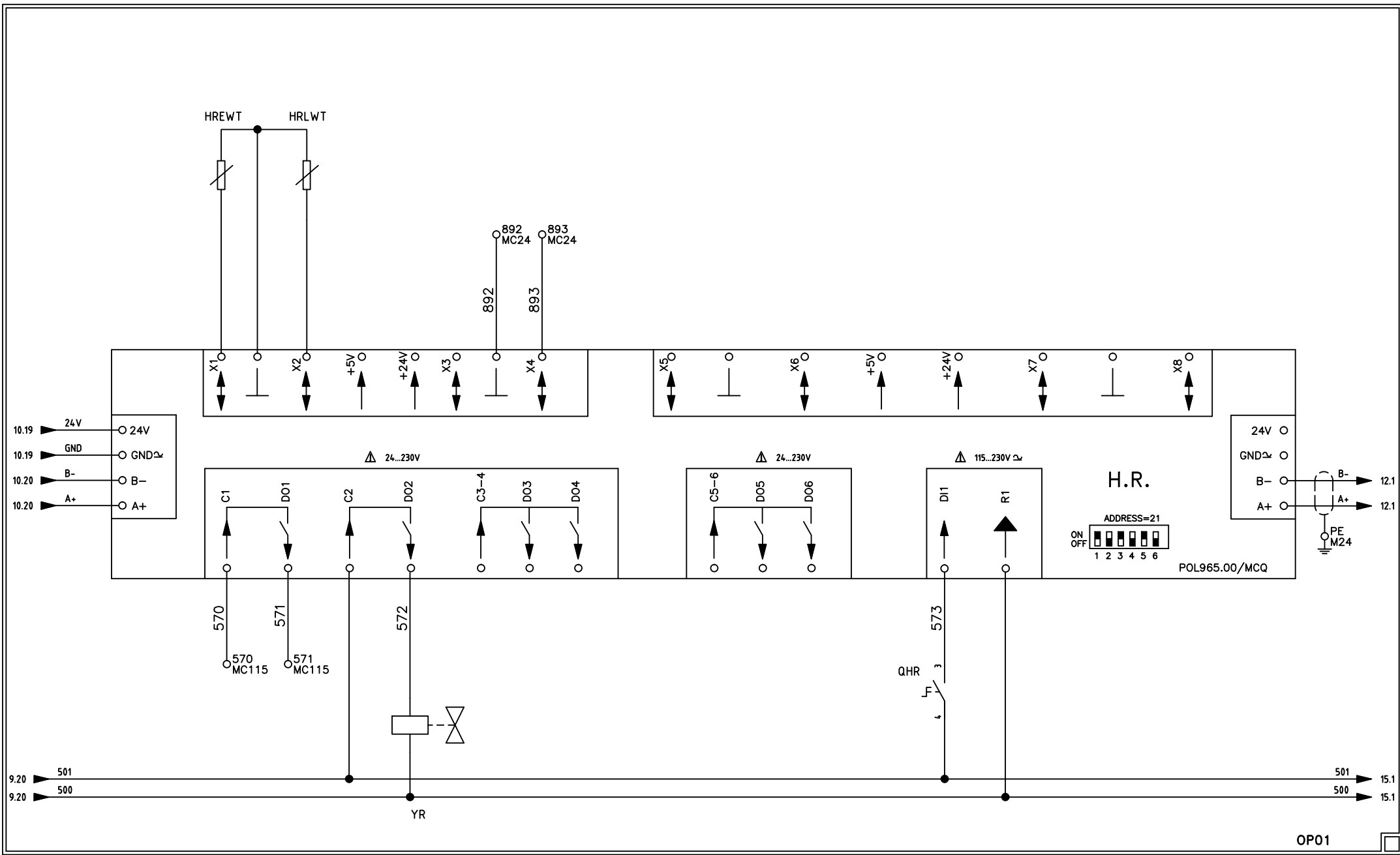


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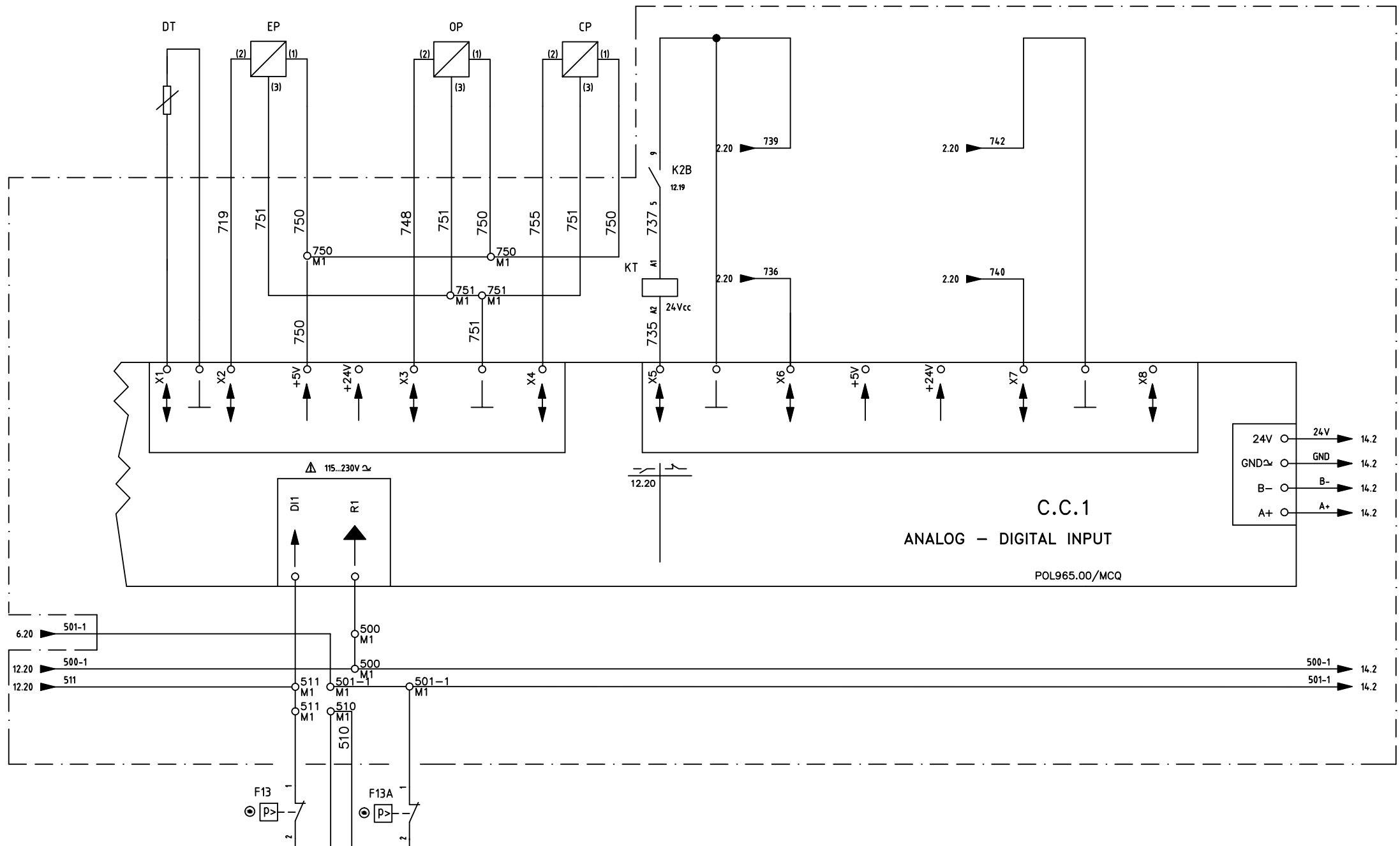
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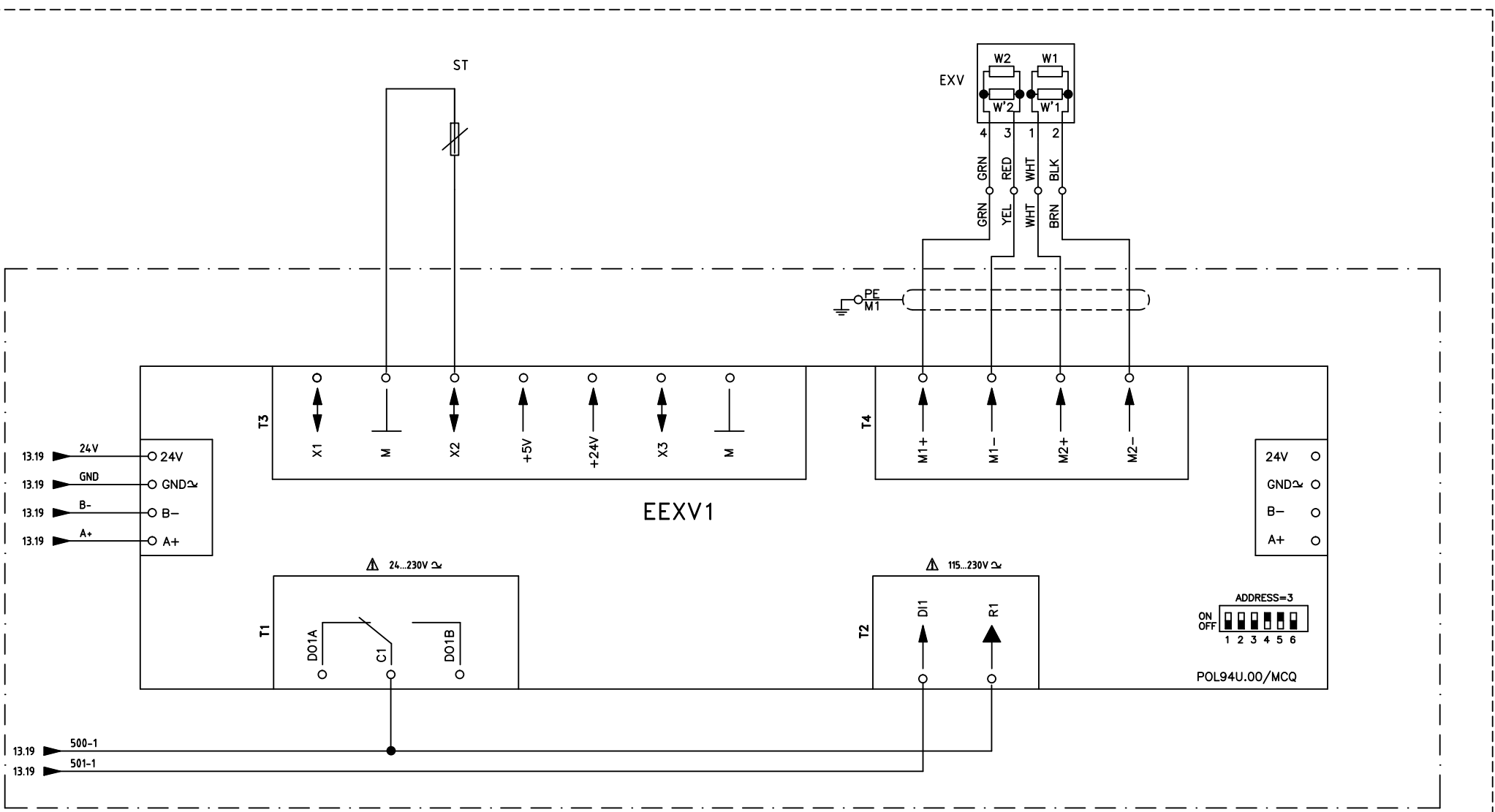
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OP01

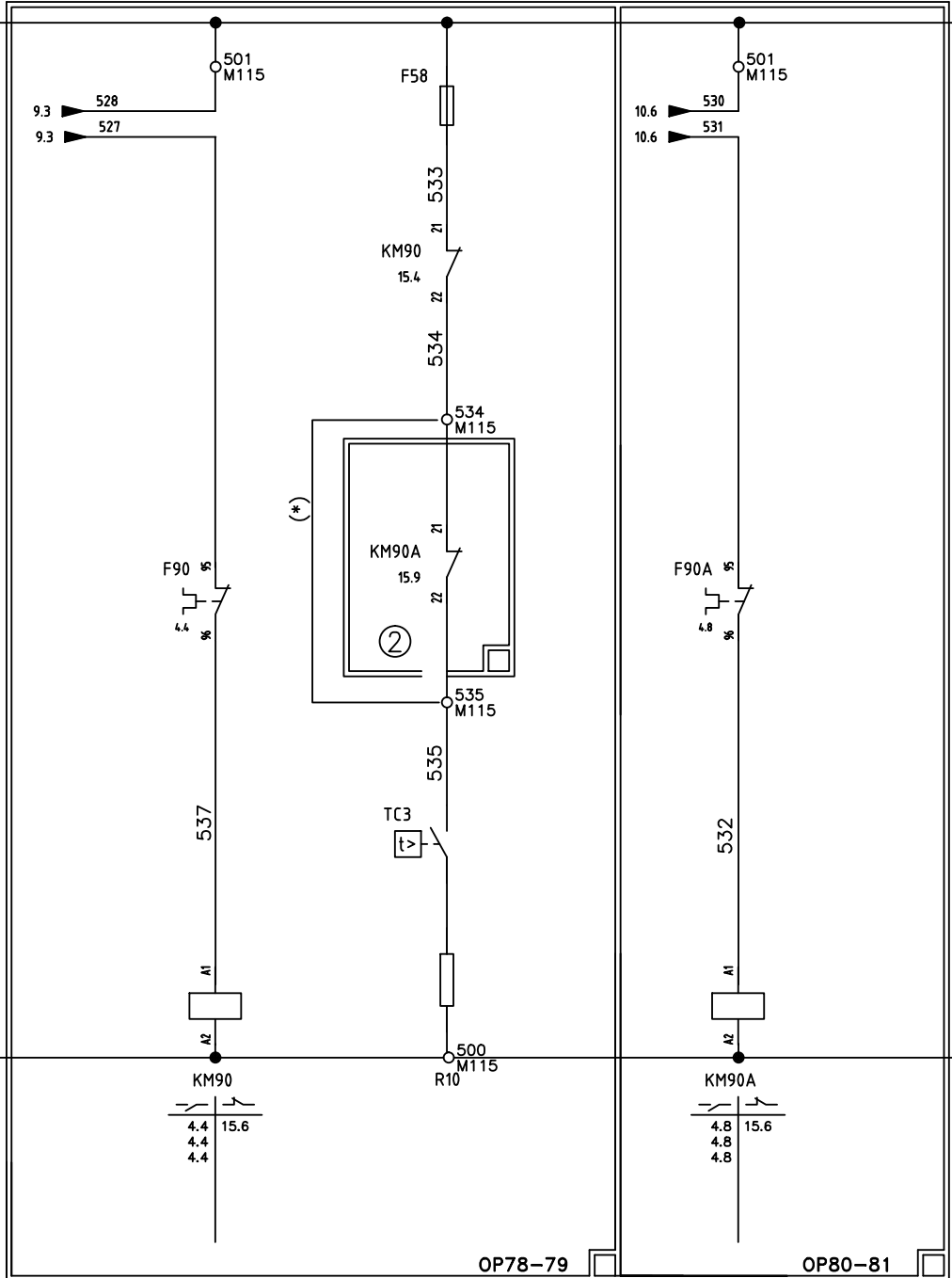
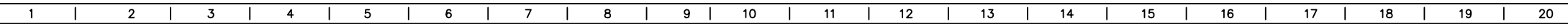
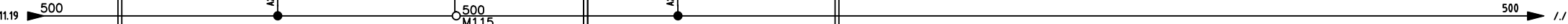
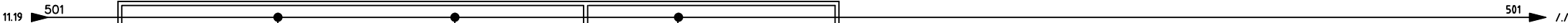
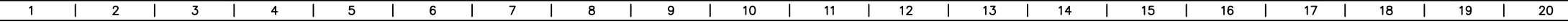
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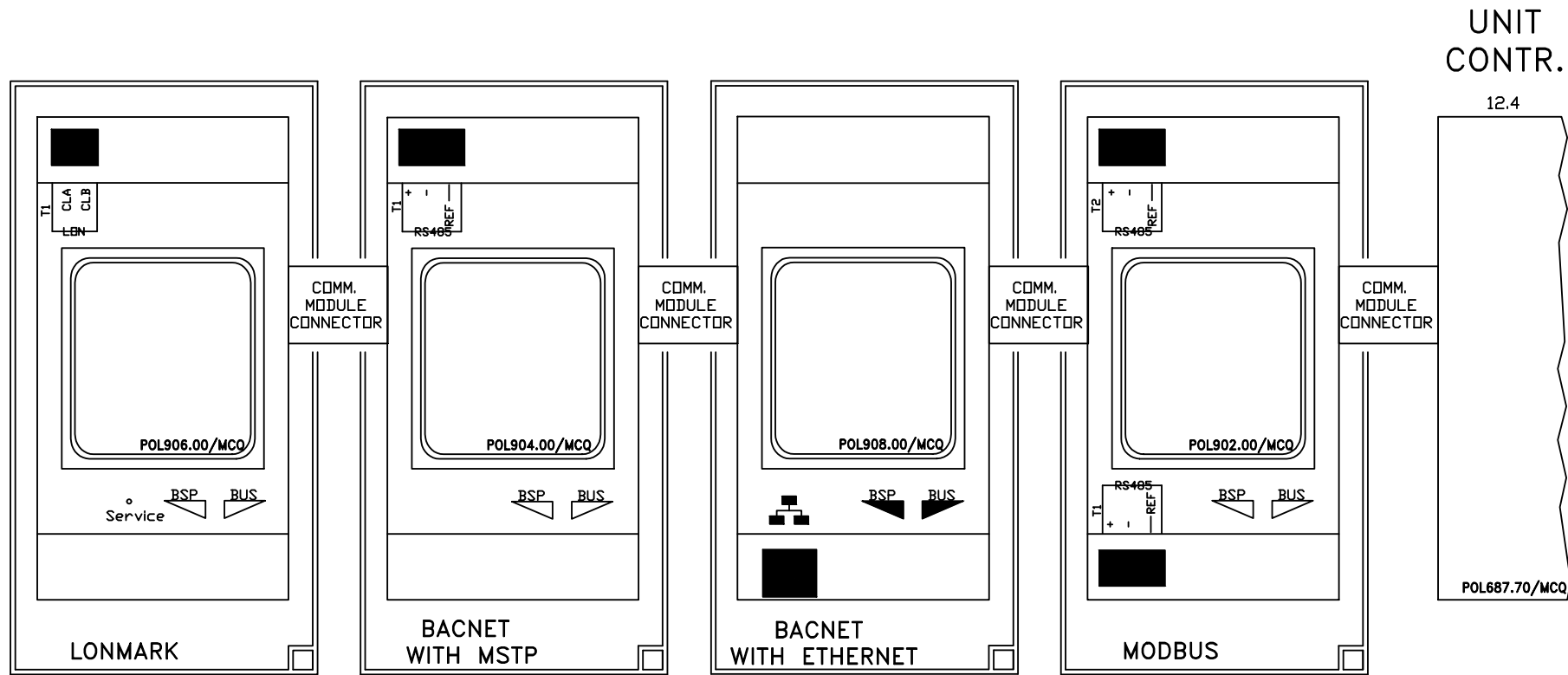


NOTE:
NOT TO BE INSTALLED ON "CU" VERSION



OP78-79

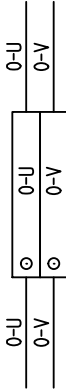
OP80-81



NOTES:

1. ANY OF THESE COMMUNICATION MODULES CAN DIRECTLY CONNECT TO THE LEFT SIDE OF THE UNIT CONTROLLER.
2. COMMUNICATION MODULES CAN CONNECT TO EACH OTHER.

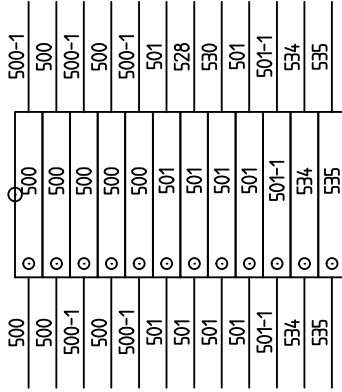
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		315



0-G	-	M400	400V
0-G	-	M400	400V

400V

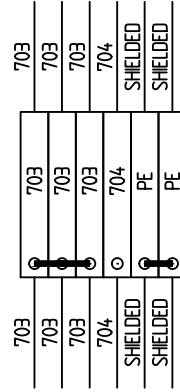
		6.15
		6.16
		12.1
		15.6
		6.15
		6.16
		15.4
		15.9
		6.15
		6.15
		15.6
		15.6



0-G	-	M115	115V
0-G	-	M115	115V
0-G	-	M115	115V
0-G	-	M115	115V
0-G	-	M115	115V
0-G	-	M115	115V
0-G	-	M115	115V
0-G	-	M115	115V
0-G	-	M115	115V
0-G	-	M115	115V
0-G	-	M115	115V
0-G	-	M115	2.5

115V

		6.2
		8.8
		8.10
		6.2
		10.19
		11.19



0-G	-	M24	24V
0-G	-	M24	24V
0-G	-	M24	24V
0-G	-	M24	24V
0-G	-	M24	
0-G	-	M24	

24V

1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20

ITEM	DESCRIPTION	SHEET	Q.ty
A.C.	ALARM CONTROL	10	1
A/V	ENERGY METER	2	1
C1	POWER FACTOR CORRECTION	3	1
C.C.	CONTROL COMPRESSOR (SIEMENS)	12	1
CF	CONTROL FUSES	23	1
CP	CONDENSER PRESSURE TRANSDUCER	13	1
CT1	CURRENT TRANSFORMER	2	1
CT2	CURRENT TRANSFORMER	2	1
CT3	CURRENT TRANSFORMER	2	1
DT	DISCHARGE TEMP. SENSOR (PT1000)	13	1
EEWT	EVAPORATOR ENTERING WATER TEMPERATURE	7	1
EEXV1	EXPANSION COMPRESSOR 1	14	1
ELWT	EVAPORATOR LEAVING WATER TEMPERATURE	7	1
EP	EVAPORATOR PRESSURE TRANSDUCER	13	1
ES1	SOFT-STARTER # 1	2	1
EXV	ELECTRONIC EXPANSION VALVE	14	1
F0	COMPRESSOR FUSES	3	1
F1	COMPRESSOR FUSES 1	2	1
F9	PUMP FUSES 1	4	1
F9A	PUMP FUSES 2	4	1
F10	TERMOSTAT	6	1
F13	MECH. HIGH PRESSURE SWITCH	13	1
F13A	MECH. HIGH PRESSURE SWITCH	13	1
F58	PUMP HEATER FUSE	15	1
F59	Fusibile unipolare	6	1
F59-1	PROTECTION FUSE	6	1
F60	PROTECTION AUXILIARY CIRCUIT FUSE	6	1
F90	THERMAL RELAY PUMP 1	4	1
F90A	THERMAL RELAY PUMP 2	4	1
F100	FAN FUSES	5	1
F112	PHASE VOLT MONITOR	6	1
F112A	PHASE VOLT MONITOR	6	1
F130	PHASE VOLT MONITOR FUSE	6	1
F130A	PHASE VOLT MONITOR FUSE	6	1
F140	PHASE VOLT MONITOR FUSE	2	1
FC1	POWER FACTOR CORRECTION FUSES 1	3	1
FVFD	FAN SPEED CONTROL DEVICE	5	1
H.R.	HEAT RECOVERY CONTROL BOARD	11	1
K2	CONTACTOR	12	1
K2B	AUXILIARY RELAY	12	1
K16	FAN MOTOR CONTACTOR	9	1
KM90	FIRST PUMP CONTACTOR	15	1
KM90A	FIRST PUMP CONTACTOR	15	1
KM101	FAN MOTOR CONTACTOR	9	1
KM102	FAN MOTOR CONTACTOR	9	1
KM103	FAN MOTOR CONTACTOR	9	1
KMC	POWER FACTOR CORRECTION CONTACTORS	12	1

1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20

1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20

ITEM	DESCRIPTION	SHEET	Q.ty
KS	AUXILIARY RELAY	12	1
KT	AUXILIARY RELAY	13	1
KT13	TIME DELAY RELAY	12	1
M1	COMPRESSOR 1	2	1
M10	FORCED VENTILATION FAN MOTOR	6	1
M101	FAN MOTOR	5	1
M102	FAN MOTOR	5	1
M103	FAN MOTOR	5	1
M104	FAN MOTOR	5	1
M105	FAN MOTOR	5	1
M106	FAN MOTOR	5	1
OAT	OUTSIDE AIR TEMPERATURE	7	1
OP	OIL PRESSURE TRANSDUCER	13	1
OP01	TOTAL HEAT RECOVERY	11	1
OP13	UNDER/OVER VOLTAGE CONTROL	6	1
OP16	A/V METER	2	1
OP17	POWER FACTOR CORRECTION	3	1
OP19	CURRENT LIMIT	2	1
OP42	SPEEDTROLL	5	1
OP78-79	ONE CENTRIFUGAL PUMP	4	1
OP80-81	TWO CENTRIFUGAL PUMP	4	1
P1	PUMP 1	4	1
P2	PUMP 2	4	1
Q0	UNIT ON - OFF	8	1
Q1	CIRCUIT SWITCH 1	10	1
Q10	MAIN SWITCH	2	1
Q12	AUTOMATIC CIRCUIT BREAKER	6	1
Q101	FAN CIRCUIT BREAKER	5	1
Q102	FAN CIRCUIT BREAKER	5	1
Q103	FAN CIRCUIT BREAKER	5	1
QC1	THERMAL RELAY	3	1
QHR	HEAT RECOVERY SWITCH	11	1
R1	COMPRESSOR CRANKCASE HEATER CIRC.1	3	1
R5	EVAPORATOR HEATER (EXCEPT CONDENSING UNITS)	6	1
R10	PUMP HEATER (100W)	15	1
SC	CURRENT LIMIT	2	1
SCA	STANDARD CAPACITOR	23	1
SC0	STANDARD COMPRESSOR	23	1
SF	STANDARD FAN	23	1
SP	STANDARD PUMPS	23	1
SPN95	FORCED VENTILATION	6	1
ST	SUCTION TEMPERATURE SENSOR 1	14	1
STD	STANDARD FAN	23	1
T1	400/115V TRANSFORMER	6	1
T2	115/24V TRANSFORMER	6	1
TA1	AMMETER TRANSFORMER	2	1
TA3	AMMETER TRANSFORMER	2	1

1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20

ITEM	DESCRIPTION	SHEET	Q.ty
TA4	AMMETER TRANSFORMER	2	1
TC3	TERMOSTAT (CLOSED<5°C)	15	1
Tc5	TERMOSTAT	6	1
TRAFO	TRANSFORMER	23	1
U.C.	UNIT CONTROL	7	1
W1	COMPRESSOR THERMISTOR CIRC. 1	2	1
Y2A	LOADER SOL. VALVE	12	1
Y2B	LOADER SOL. VALVE	12	1
Y3A	UNLOADER SOL. VALVE	12	1
Y3B	UNLOADER SOL. VALVE	12	1
YE	ECONOMIZER SOLENOID VALVE (ECONOMIZER UNITS ONLY)	12	1
YJ	LIQUID INJECTION SOLENOID VALVE	12	1
YR	RECOVERY SUBCOOLING SOLENOID VALVE	11	1
YT	TURBO SOLENOID VALVE	12	1

SCO = Standard Compressor Fuse + Overcurrent								
ITEM	F3AS-R134a	F3AL-R134a	F3BS-R134a	F3BL-R134a	F4AS-R134a	F4AL-R134a	F4AXL-R134a	
	HSA192	HSA204	HSA215	HSA232	HSA241	HSA263	HSA269	
F1,F2,F3	200 A gG NH1	200 A gG NH1	250 A gG NH1	315 A gG NH2	315 A gG NH2	500 A gG NH3	500 A gG NH3	
F5-1,2,3	Set (OP11)	99 A	113 A	142 A	169 A	199 A	238 A	262 A
F1,F2,F3	Set (OP95)	171 A	194 A	245 A	291 A	342 A	410 A	452 A

Option	Description
OP01	Total Heat Recovery
OP11	Thermal Relay
OP13	Under/Over Voltage Control
OP16	Energy Meter
OP17	Power Factor Correction
OP19	Current limit/Display
OP42	Speedtroll
OP78-79	One Centrifugal Pump
OP80-81	Two Centrifugal Pump
SPN95	Forced Ventilatin

SP=Standard pump fuses + overcurrent						
ITEM	1,5 kW	2,2 kW	3 kW	4 kW	5,5 kW	
F9	20 A	20 A	20 A	20 A	20 A	
F9A	20 A	20 A	20 A	20 A	20 A	
F70	3,5 A	5 A	6,5 A	8,5 A	11 A	
F80	3,5 A	5 A	6,5 A	8,5 A	11 A	

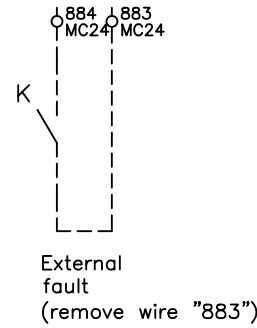
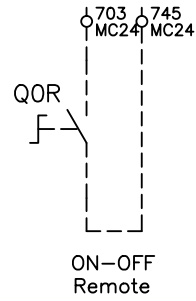
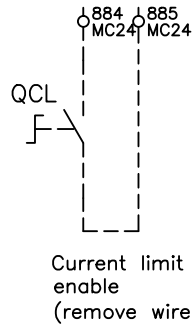
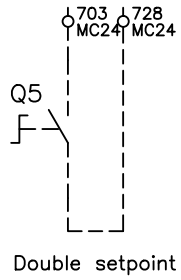
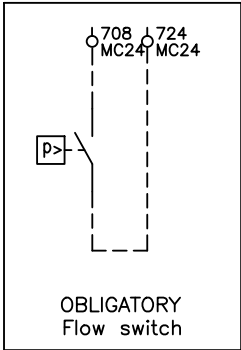
TRAFO=Transformer size	
ITEM	
T1	500 VA
T2	200 VA

CF=Control fuses+size	
ITEM	
F0	2 A
Q12	4 A
F130	4 A
F130A	4 A
F59	2 A
F59A	2 A
F60	2 A

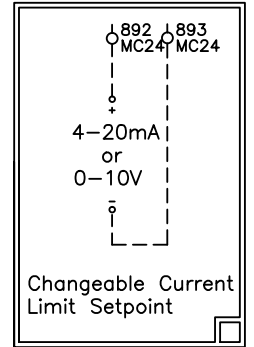
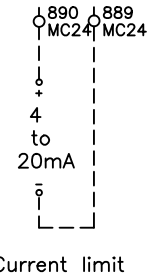
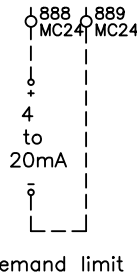
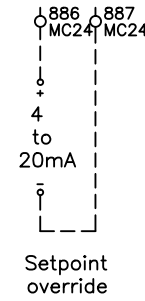
OP17 Power Factor Correction - Capacitor + Overcurrent							
ITEM	F3AS-R134a	F3AL-R134a	F3BS-R134a	F3BL-R134a	F4AS-R134a	F4AL-R134a	F4AXL-R134a
	HSA192	HSA204	HSA215	HSA232	HSA241	HSA263	HSA269
FC1,2,3	35 A gG E18	35 A gG E18	35 A gG E18	35 A gG E18	50 A gG E18	50 A gG E18	63 A gG E18
QC1,2,3	25 A	25 A	25 A	25 A	30 A	30 A	40 A

SF=Standard fan fuses + overload				STD =Standard	
FAN TYPE	OVERLOAD	n° FANS		FUSES	6
		1 FAN	2 FAN		
MCDK800-6P	Q101+Q103	4,0 A	8,0 A	F100	35 A
MCDK800-8P	Q101+Q103	2,8 A	5,6 A	F100	35 A

Digital input terminals



Analog input terminals



Digital output terminals

