

1	2	3	4	5	6	7	8
SCHEIB ELEKTROTECHNIK GmbH DÜSSELDORF							
D E C K B L A T T							
C O V E R S H E E T							
AUFTRAGS - NR. : 09/7927/05 - 13							
ORDER NO.							
STEUERUNGART : Process control station PCS 02							
TYPE OF CONTROL							
KUNDE : Air Liquide AGS							
CUSTOMER							
ASU Kosice							
Betriebsspannung : 230V AC							
operating voltage							
Steuerspannung : 230V AC / 24V DC							
control voltage							
Signalspannung : 24V DC							
signal voltage							
Ventilspannung : 24V DC							
valve voltage							
Insgesamt 293 Blätter							
total sheets							
ELCAD (R)							
c		date	21.07.2005	ASU Kosice		Cover sheet	
b	As built	24.11.06	Kaufen made	AIR LIQUIDE		K.70101	
a		15.11.05	Kaufen check	Air Liquide AGS GmbH		=	
revision	date	name	stand.	replaced:	replaced:	-C13	
						page 0	
						293 sh.	
						C9792705-01	







1	2	3	4	5	6	7	8
F 20001_I	F 23013_I	P 20005_I	P 61170_I	L 21003_0	F 20001_0	F 23013_0	GH 20026_I
T 20027_I	F 23016_I	P 20011_I	P 61270_I	L 21060_0	F 20002_0	F 23073_0	GI 20026_I
T 20028_I	L 21003_I	T 20025_I	P 71170_I	L 22001_0	F 20005_0		UA 20025_I
F 20005_I	L 21060_I	T 20026_I	P 71270_I	L 22002_0	F 20006_0		HA 92002_I
F 20011_I	L 22001_I			L 23076_0	F 20011_0	H 20027_0	UA 20027_I
	L 22011_I	P 21002_I			F 20012_0	H 21006_0	Q 22011_EA_I
F 22013_I	P 20001_I	P 22001_I	PD 21003_I		F 22013_0	H 21014_0	Q 23013_EA_I
F 22043_I			PD 22001_I	T 20008_0	F 22043_0	H 73001_0	Q 23016_EA_I
DPS2_1_3	DPS2_1_4	DPS2_1_5	DPS2_1_6	DPS2_1_7	DPS2_1_8	DPS2_1_9	Q 40009_EA_I
							Q 40014_EA_I
							Q 43033_EA_I
							HS 20025_0
							HS 20027_0
							UH 94021_I
							DPS2_1_11
							DPS2_1_12

ELCAD (R)

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a	As built	check	
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ASU Kosice

Assembly plan

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C9792705-01

Labels

1	2	3	4	5	6	7	8		
	T 20001_I	T 20010_I	T 61130_I	T 71130_I	F 40011_I	P 40007_I	T 40009_I	F 40011_O	P 40003_O
		T 20011_I	T 61140_I	T 71140_I	F 40014_I	P 40170_I	T 40011_I	F 40014_O	P 40170_O
	T 20004_I		T 61141_I	T 71141_I	L 40007_I	P 43022_I	T 40013_I	H 40005_O	P 43022_O
	T 20005_I	T 20023_I	T 61230_I	T 71230_I	L 40017_I	P 43028_I	T 40014_I	H 40012_O	P 43028_O
	T 20006_I	T 20029_I	T 61240_I	T 71240_I	L 40053_I	PD 40003_I	T 40130_I	L 40007_O	PD 43021_O
	T 20007_I	T 21006_I	T 61241_I	T 71241_I	L 43023_I	PD 40053_I	T 40140_I	L 43023_O	L 43033_O
	T 20008_I	T 23013_I			L 43027_I	PD 43021_I	T 40141_I	L 43026_O	
	T 20009_I	T 23014_I	T 23015_I		P 40003_I		T 43034_I	L 43027_O	
DPS2_2_3	DPS2_2_4	DPS2_2_5	DPS2_2_6	DPS2_2_7	DPS2_2_8	DPS2_2_9	DPS2_2_10	DPS2_2_11	DPS2_2_12

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ASU Kosice

Assembly plan

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1		2		3		4		5		6		7		8	
F 24101_I		T 24120_I		S 24124_I		T 24101_I		T 24169_I		H 24105_O		HA 24100_I		US 24101_O	
G 24105_I		T 24121_I		X 24124_I		T 24102_I						GL 24101_I			
P 24101_I		T 24123_I		P 24169_I								GL 24105_I			
P 24102_I												LL 24160_I			
P 24107_I		T 24171_I										PLL 24168_I		HS 61103_O	
P 24114_I		T 24173_I										SL 24124_I		HS 61110_O	
P 24169_I		T 24175_I										SHH 24124_I		HS 61203_O	
PD 24114_I		T 24176_I										SH 24124_1_I		HS 61210_O	
DPS2_3_3		T 24177_I				T 24161_I						F 61181_I		US 43023_O	
		DPS2_3_4		DPS2_3_5		DPS2_3_6		DPS2_3_7		DPS2_3_8		F 61281_I			
												THH 24160_I			
												TH 24160_I			
												F 40181_I		HS 40110_O	
												DPS2_3_9		DPS2_3_10	

ELCAD (R)				ASU Kosice				AIR LIQUIDE				Assembly plan				K.70101				=			
c				date				21.07.2005				made				Meis				-C13			
b				Kauwen				check															
a				24.11.06				replaced:				replaced:				C9792705-01				page 6			
revision				date				name				stand.				sh.							

	1	2	3	4	5	6	7	8
F 24201_I	T 24220_I	S 24224_I	T 24201_I	T 24269_I	H 24205_O	HA 24200_I GL 24201_I	US 24201_O	
G 24205_J	T 24221_I	X 24224_I	T 24202_I			GL 24205_J LL 24260_I		
P 24201_I	T 24223_I	P 24269_I				PLL 24268_I	HS 71103_O HS 71110_O	
P 24202_I	T 24271_I					SL 24224_I SHH 24224_I	HS 71203_O HS 71210_O	
P 24207_I	T 24273_I					SH 24224_1_I SH 24224_2_I		
P 24244_I	T 24275_I					F 71181_I F 71281_I		
P 24269_I	T 24276_I					THH 24260_I TH 24260_I		
PD 24241_I	T 24277_I		T 24261_I					
DPS2_4_3	DPS2_4_4	DPS2_4_5	DPS2_4_6	DPS2_4_7	DPS2_4_8	DPS2_4_9	DPS2_4_10	

ELCAD (R)

c		date	21.07.2005		ASU Koscice	AIR LIQUIDE <small>Air Liquide ADS GmbH</small>	Assembly plan	K.70101	= •CTB	C9792705-01	page 7	sh.
a	As built	24.11.06	Kauven	check	replaced:	based:	Lables					
b	revision	date	name	stand.	replaced:							



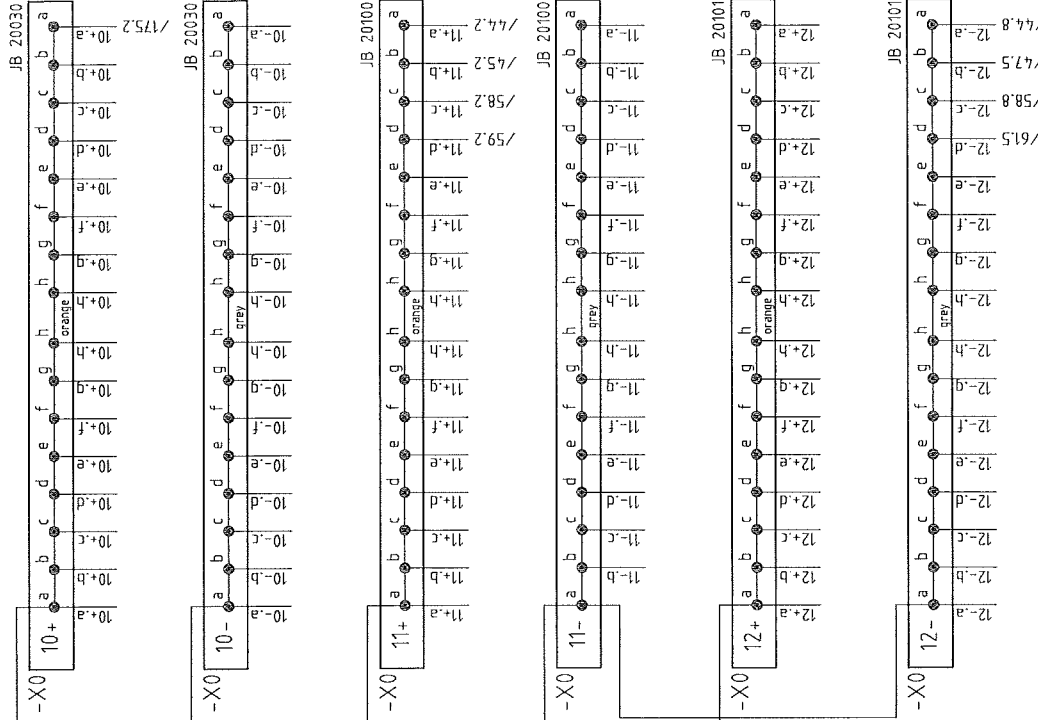
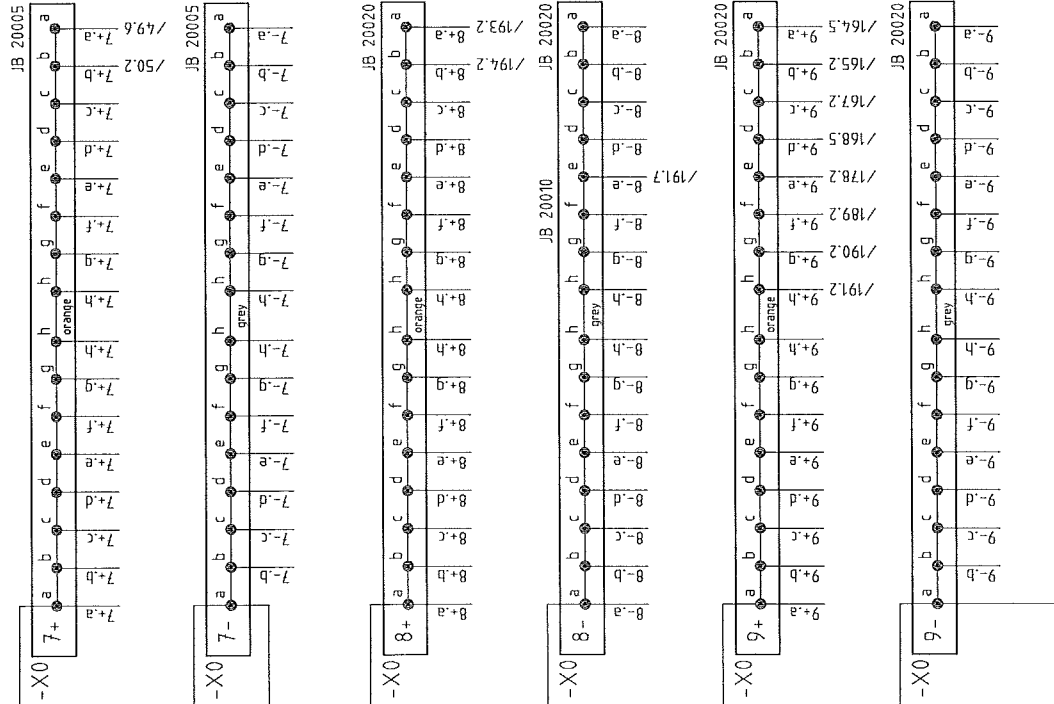
1		2		3		4		5		6		7		8	
Nr. No.	Stck. Qty.	Benennung Description				Hersteller Manufacturer	Kennzeichnung Mark				Type Type	Bemerkung Notes			
1	1	Control cabinet HxBxD: 2200x1000x800mm Schaltschrank HxBxT: 2200x1000x800				Rittal					TS 8012.009 special	RAL 7035			
2	1	Socket element front+backside 200mm Sockel-Elemente vorn+hinten 200mm				Rittal					TS 8602.000				
3	1	Socket side-panel 200mm Sockel-Blenden seitlich 200mm				Rittal					TS 8602.080				
4	1	Circuit diagram pocket Schaltplanfalte				Rittal					PS 4115.000				
5	4	distance device 50mm Distanzstücke 50mm				Rittal					SZ/DK 7967.000				
6	2 VP	180° hinges, RAL 7035 180°-Scharniere, RAL 7035				Rittal					TS 8800.190				
7	2	Cabinet lighting 14W, with Limit sw., 230V AC Schrankleuchte 14W mit Türendsch., 230V				EVG	1H5, 1S5, 1H6, 1S6				80.14.SK				
8	2	Lamp cover Leuchtenabdeckung				EVG					80.AB.14				
9	2	Cable box Kabeldose				EVG					1654.63				
10	1	Base Unit with CPU Grundgerät mit CPU				ABB	8A1				PM 803F	Feed adjustment Fa. Air Liquide Beistellg. Fa. Air Liquide			
	1	power supply Ethernet Modul 10Base T				ABB					SA 802F				
	1	Feldbus Modul Profibus DP				ABB					EI 813F FI 830F				
11	1	Rail-Switch				Cisco	8A2				Catalyst 2955	Feed adjustment Fa. Air Liquide Beistellg. Fa. Air Liquide			
12	2	Splicebox Splicebox				Quante	XS4, XS5				VKA2-12F	Feed adjustment Fa. Air Liquide Beistellg. Fa. Air Liquide			
13															
14															
15															
		ASU Kostre				Parts list				K.70101					
revision date		name		stand.		replaced:		replaced:		AIR LIQUIDE Air Liquide AGS GmbH based;		C9792705-001		page 1 sh.	
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21.07.2005		Hais													

1		2		3		4		5		6		7		8	
Nr.	Stck. Qty.	Benennung Description				Hersteller Manufacturer	Kennzeichnung Mark	Type	Bemerkung Notes						
16		I/O System				ABB		S800	Accessory equipment Air Liquide						
4		Profibus Communications Interface				ABB	DPS2_1_1A, DPS2_2_1A, DPS2_3_1A, DPS2_4_1A	C1830	Beistellig. Fa. Air Liquide						
12		Analog Input modul 1x8 ch., 0(4)-20mA, 0-10V				ABB	DPS2_1_3, DPS2_1_4, DPS2_1_5, DPS2_1_6, DPS2_2_8, DPS2_2_9, DPS2_3_3, DPS2_3_4, DPS2_3_5, DPS2_4_3, DPS2_4_4, DPS2_4_5	A1810							
10		Analog Input modul 1x8 ch., PT100				ABB	DPS2_2_3, DPS2_2_4, DPS2_2_5, DPS2_2_6, DPS2_2_7, DPS2_2_10, DPS2_3_6, DPS2_3_7, DPS2_4_6, DPS2_4_7	A1830							
8		Analog Output modul 1x8 ch., 0(4)-20mA, 14 bit				ABB	DPS2_1_7, DPS2_1_8, DPS2_1_9, DPS2_1_10, DPS2_2_11, DPS2_2_12, DPS2_3_8, DPS2_4_8	A0810							
3		Digital Input modul 24V DC, 2x8 ch.				ABB	DPS2_1_11, DPS2_3_9, DPS2_4_9	D1810							
3		Digital Output modul 24V DC, 2x8 ch., 0.5A				ABB	DPS2_1_12, DPS2_3_10, DPS2_4_10	D0810							
40		Compact Module Termination unit				ABB		TU810V1							
17		Terminals				Weidmüller	X...	WDU, WDU BL, WPE							
18	6	Initiator terminal				Phönix	XN2	EIK1-SVN-24P	Art.-Nr. 2940799						
19	48	PTC - Terminal				Bürklin	XP3, XP4, XP5	PTC B59990-C120-A70							
20		PTC - Klemme				Weidmüller		Klemme: WDK 2,5	a-h/h-a grey						
21		8-stages cross-connection terminal				Wago	X...	727-129/002-000	a-h/h-a white						
22		8-Etagen Rangierklemmen a-h/h-a grau				Wago	X...	727-131/002-000	a-h/h-a orange						
23		8-stages cross-connection terminal				Wago	X...	727-135/002-000	a-h/h-a grey						
24		8-Etagen Rangierklemmen a-h/h-a weiß				Wago	X...	727-137/002-000							
		8-stages potential terminal				Wago									
		8-Etagen Potentialklemmen a-h/h-a orange				Wago									
		8-stages potential terminal				Wago									
		8-Etagen Potentialklemmen a-h/h-a grau				Wago									
		Cover plate orange				Wago		727-117							
		Abschlußplatte orange													

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all automatic circuit breakers 2A

17F6  
17F7  
-L-  
17F8





+C11

all automatic circuit breakers 2A

18F5/4A  
18F6  
18F7

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7

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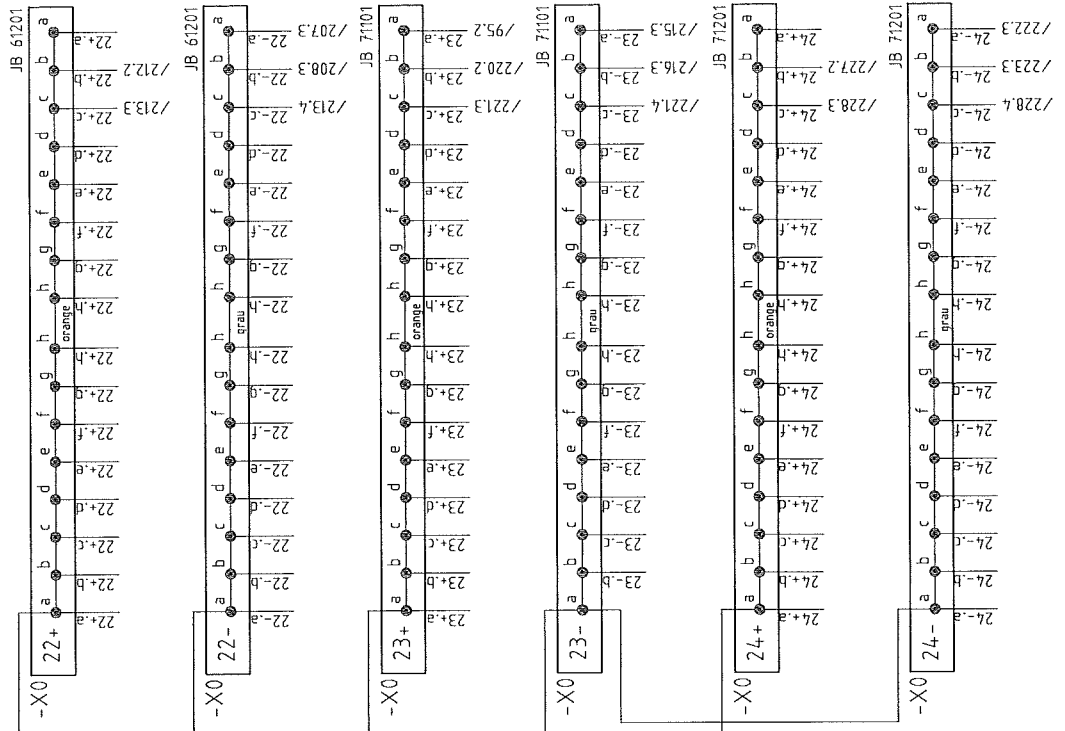
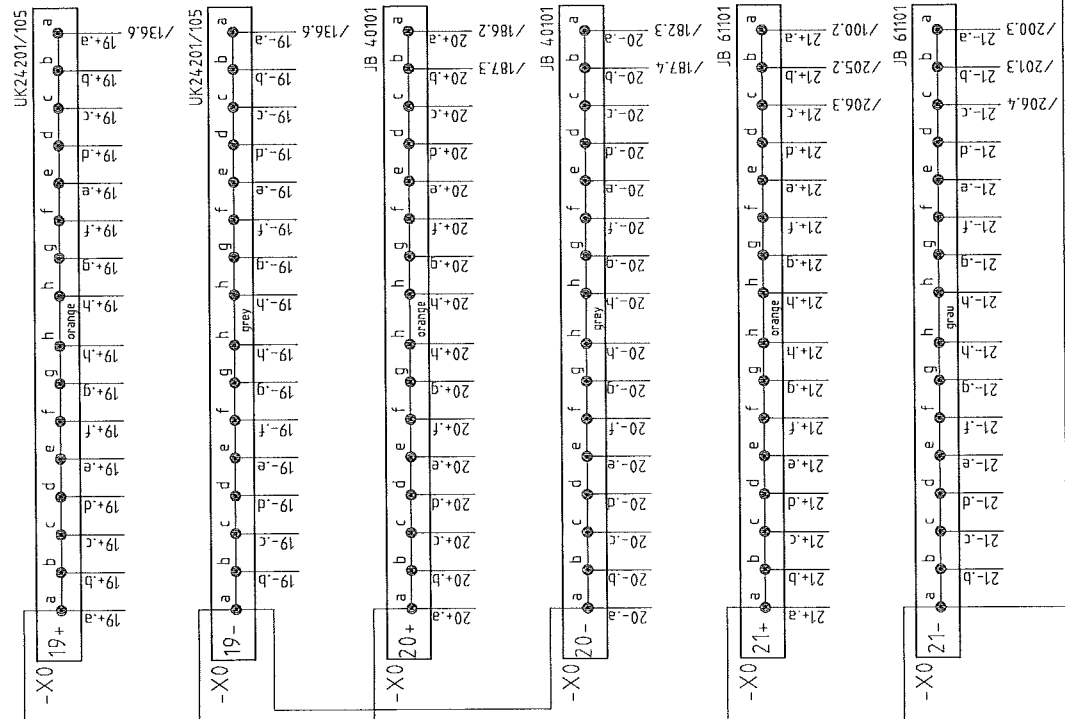
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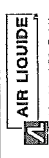
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a	29.05	Kaewen		
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ASU Kosice



Air Liquide AGS GmbH

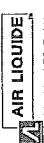
Circuit diagram

Control voltage 24V DC

K.70101

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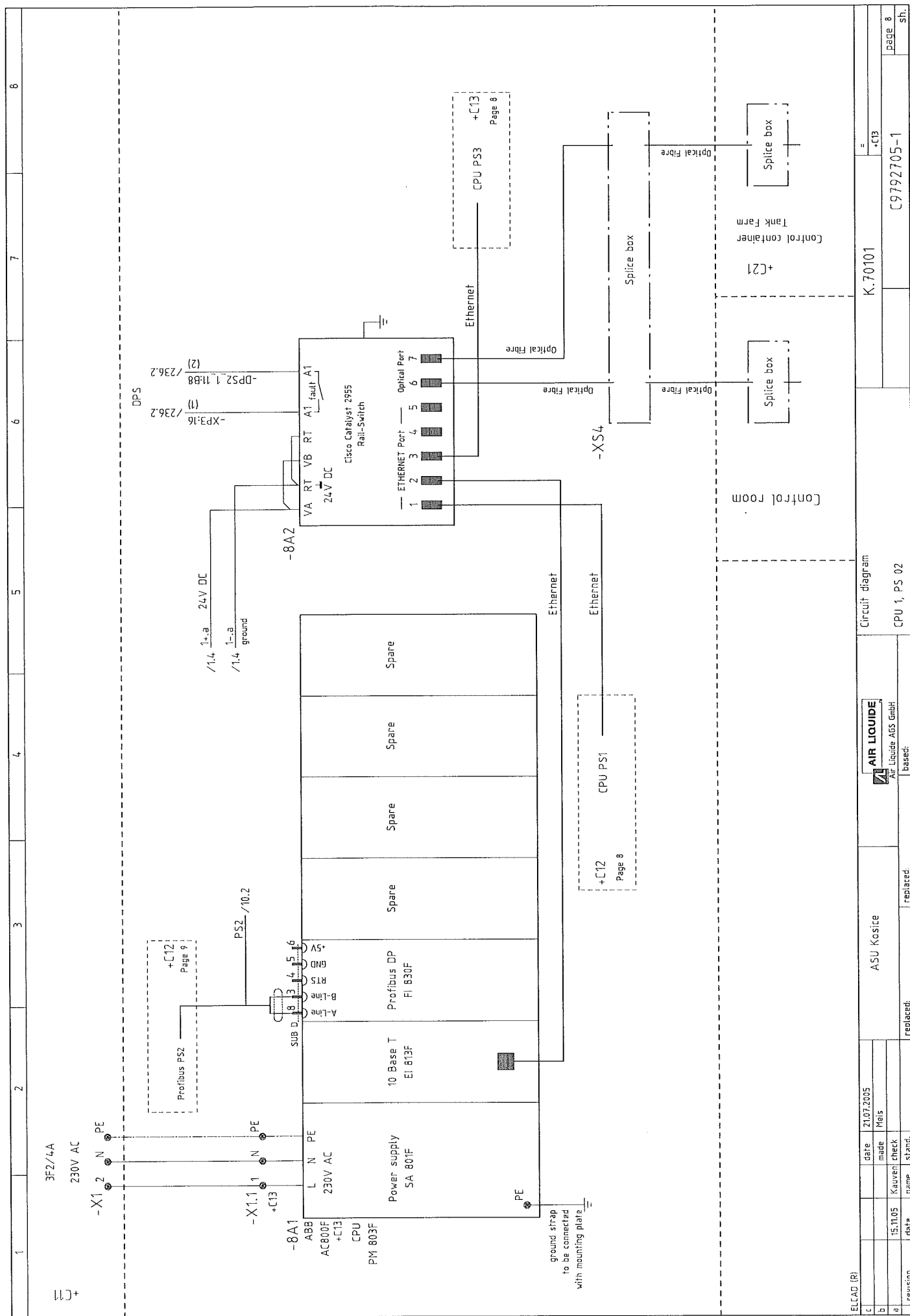
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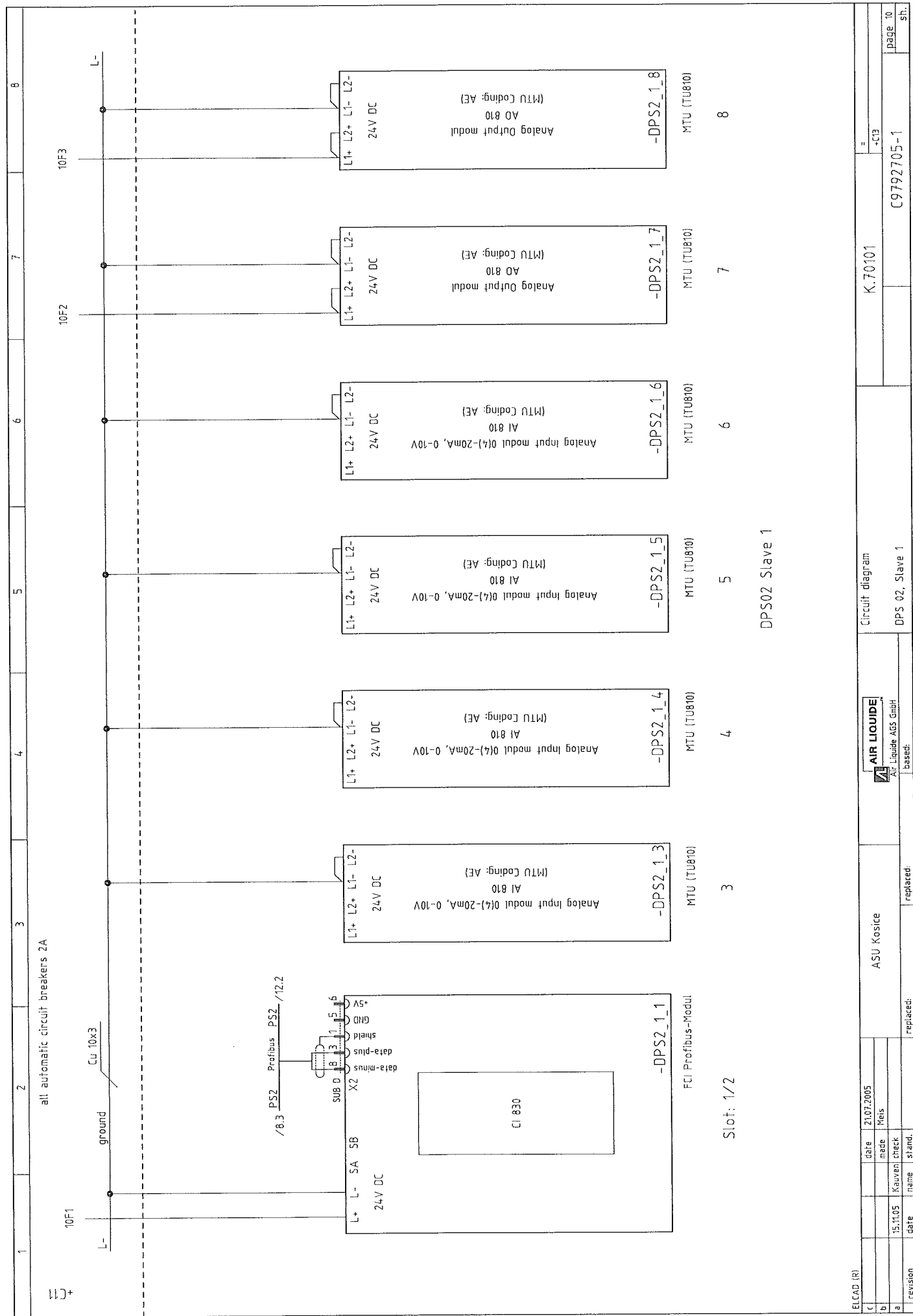
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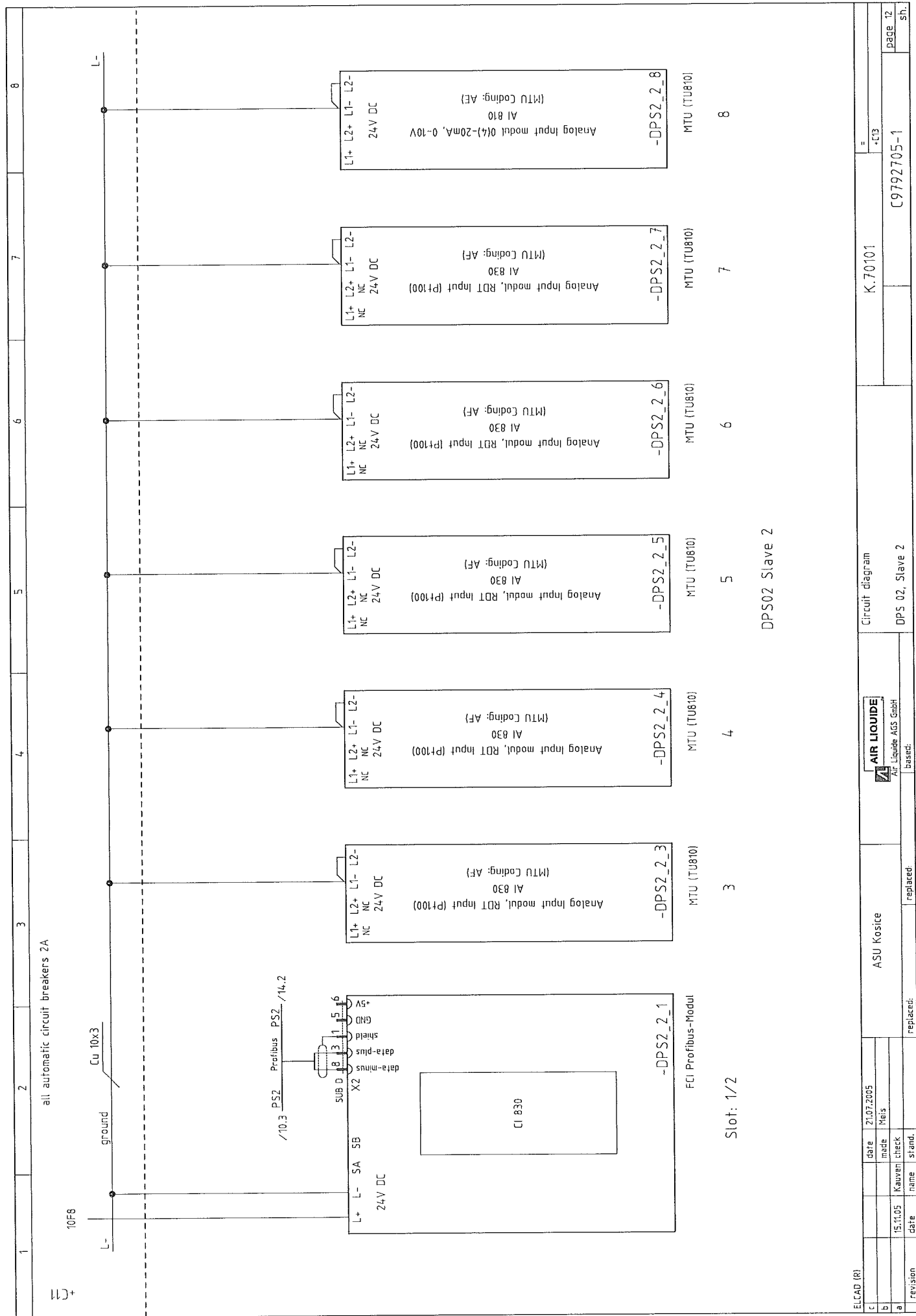
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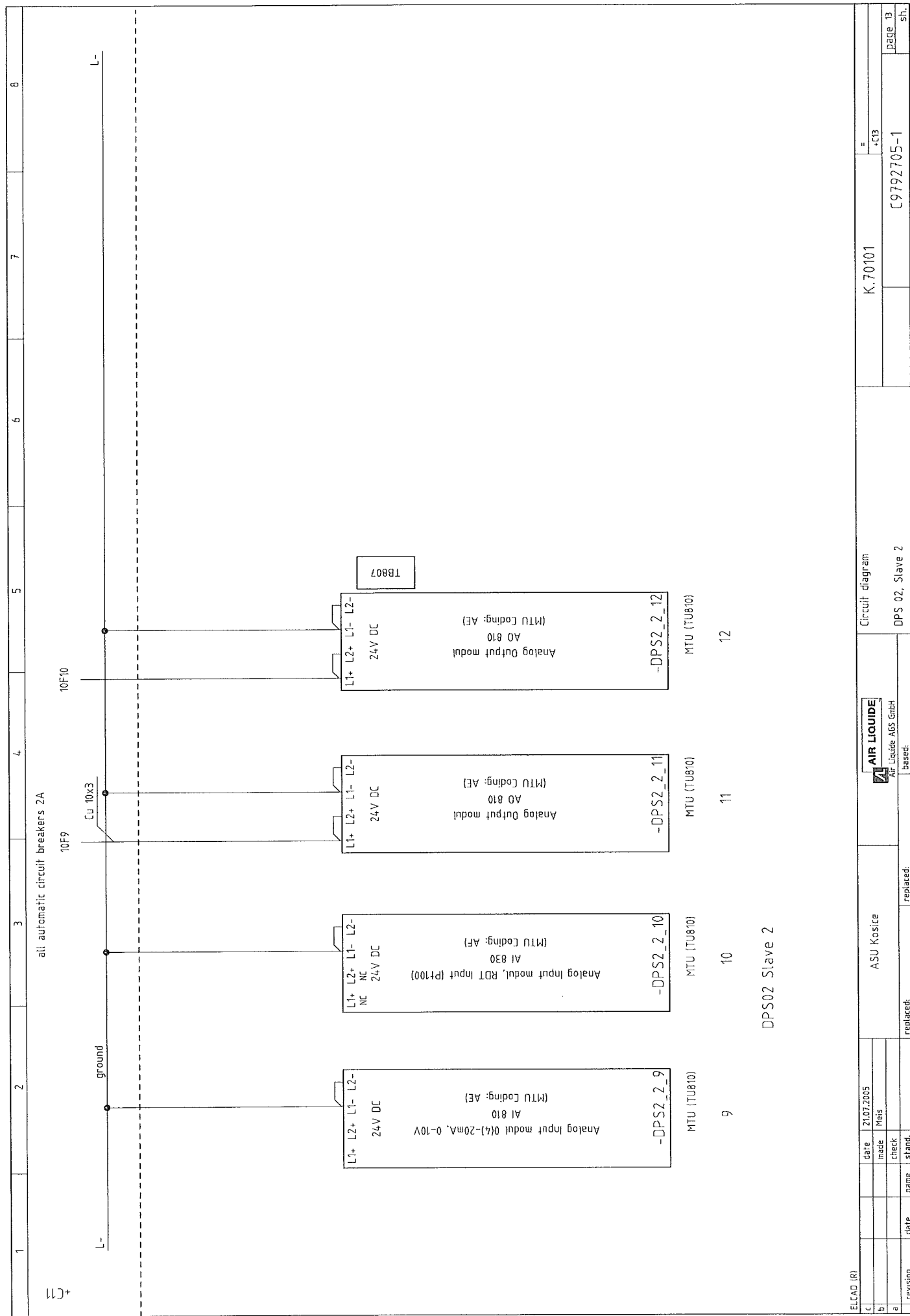


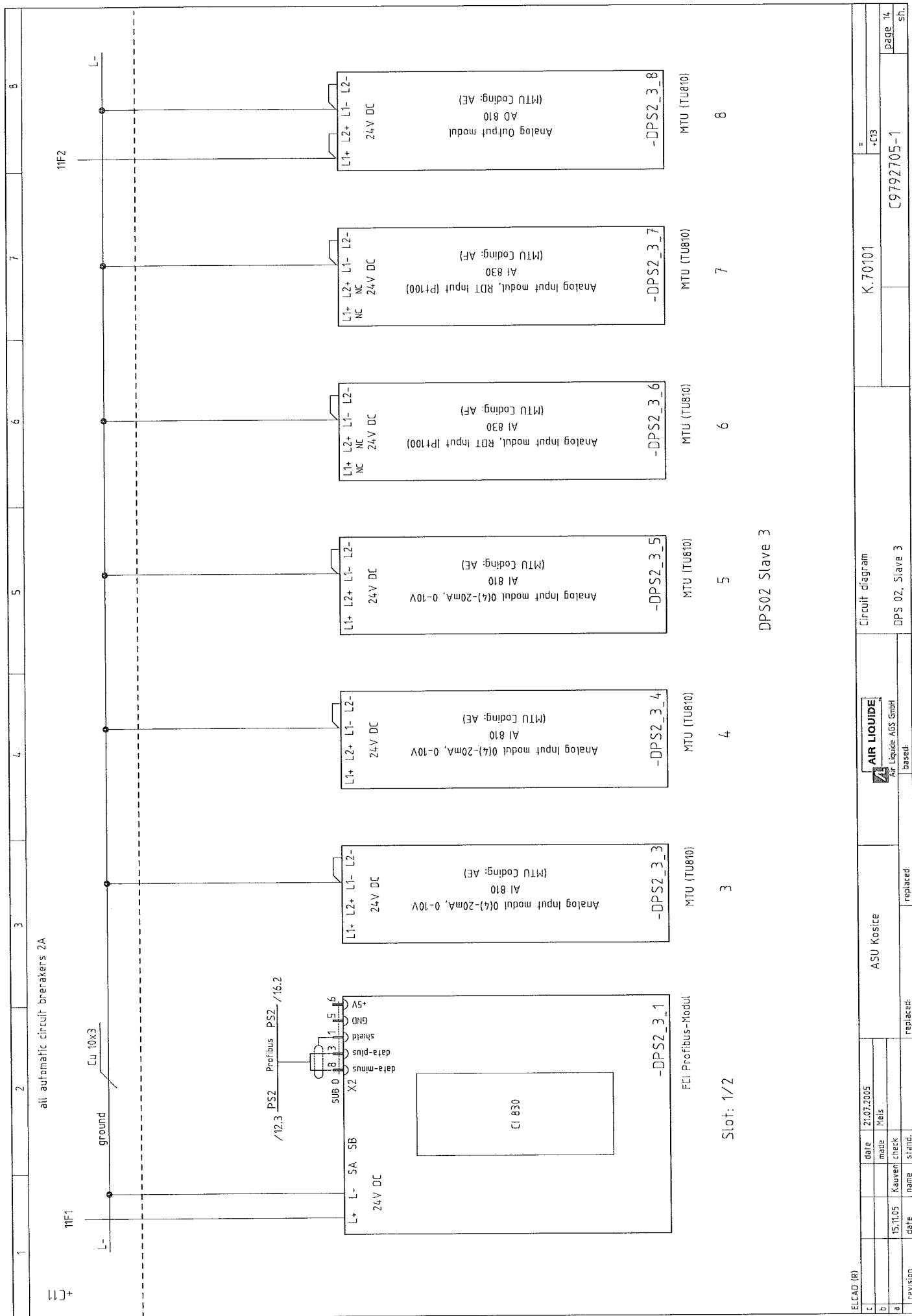
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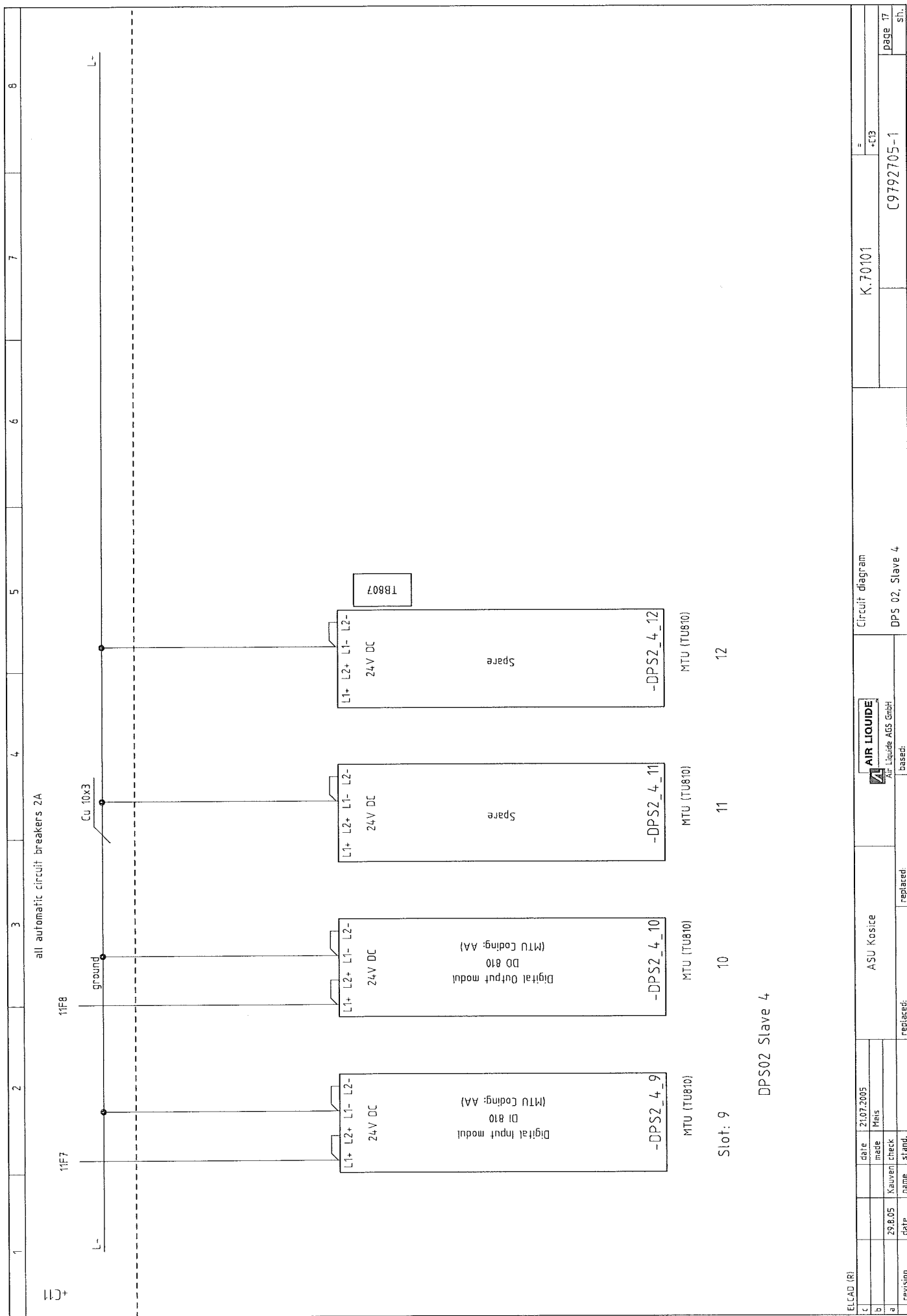












1	2	3	4	5	6	7	8
-DPS2_1_3	-DPS2_1_4						
PCS 2 Slave 1 Slot 3 Analog Input 0(4)-20mA, 0-10V	PCS 2 Slave 1 Slot 4 Analog Input 0(4)-20mA, 0-10V						
Input Ch1 C1 B1 A1	Input Ch1 C1 B1 A1	/44.2 F 20001_I	/95.2 F 23013_I				
Input Ch2 C2 B2 A2	Input Ch2 C2 B2 A2	/71.2 T 20027_I	/100.2 F 23016_I				
L1+ +24V	L1+ +24V						
L1- 0V	L1- 0V						
Input Ch3 C3 B3 A3	Input Ch3 C3 B3 A3	/74.2 T 20028_I	/79.2 L 21003_I				
Input Ch4 C4 B4 A4	Input Ch4 C4 B4 A4	/49.6 F 20005_I	/84.2 L 21060_I				
Input Ch5 C5 B5 A5	Input Ch5 C5 B5 A5	/58.2 F 20011_I	/85.2 L 22001_I				
Input Ch6 C6 B6 A6	Input Ch6 C6 B6 A6	100Ω	/90.2 L 22011_I				
Input Ch7 C7 B7 A7	Input Ch7 C7 B7 A7	/92.2 F 22013_I	/45.2 P 20001_I				
Input Ch8 C8 B8 A8	Input Ch8 C8 B8 A8	/93.2 F 22043_I	100Ω				
L2+ +24V	L2+ +24V						
L2- 0V	L2- 0V						
ABB AI 810	ABB AI 810						
Circuit diagram	Circuit diagram						
I/O allocation DPS 02, slave 1	I/O allocation DPS 02, slave 1						
AIR LIQUIDE <sup>®</sup> <small>Air Liquide AGS GmbH</small>	AIR LIQUIDE <sup>®</sup> <small>Air Liquide AGS GmbH</small>						
ASU Kosice	ASU Kosice						
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date name check stand.	date name check stand.						
revision date name check stand.	revision date name check stand.						
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date made	date made						
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page 18	page 18						
sh.	sh.						

1	2	3	4	5	6	7	8
-DPS2_1_5		-DPS2_1_6					
PCS 2		PCS 2					
Slave 1		Slave 1					
Slot 5		Slot 6					
Analog Input		Analog Input					
0(4)-20mA, 0-10V		0(4)-20mA, 0-10V					
Input Ch1		Input Ch1		/50.2		/205.2	
C1		C1		P 20005_I		P 61170_I	
B1		B1					
A1		A1					
Input Ch2		Input Ch2		/59.2		/212.2	
C2		C2		P 20011_I		P 61270_I	
B2		B2					
A2		A2					
L1+		L1+					
+24V		+24V					
L1-		L1-					
0V		0V					
Input Ch3		Input Ch3		/64.2		/220.2	
C3		C3		T 20025_I		P 71170_I	
B3		B3					
A3		A3					
Input Ch4		Input Ch4		/68.2		/227.2	
C4		C4		T 20026_I		P 71270_I	
B4		B4					
A4		A4					
Input Ch5		Input Ch5		100Ω		100Ω	
C5		C5					
B5		B5					
A5		A5					
Input Ch6		Input Ch6		/78.2		100Ω	
C6		C6		P 21002_I		100Ω	
B6		B6					
A6		A6					
Input Ch7		Input Ch7		/87.1		/80.2	
C7		C7		P 22001_I		PD 21003_I	
B7		B7					
A7		A7					
Input Ch8		Input Ch8		100Ω		/88.2	
C8		C8				PD 22001_I	
B8		B8					
A8		A8					
L2+		L2+					
+24V		+24V					
L2-		L2-					
0V		0V					
ABB		ABB		AI 810			

Circuit diagram				K.70101		=		-C13	
I/O allocation DPS 02, slave 1								C9792705-1	
AIR LIQUIDE									
Air Liquide AGS GmbH									
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ASU Kosice									
date				21.07.2005					
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date									
name									
revision									

1	2	3	4	5	6	7	8
-DPS2_1_7		-DPS2_1_8					
PCS 2		PCS 2					
Slave 1		Slave 1					
Slot 7		Slot 8					
Analog Output		Analog Output					
0-20mA		0-20mA					
Output Ch1	C1 A1	/205.5	P 61170_0	Output Ch1	C1 A1	/79.6	L 21003_0
Output Ch2	C2 A2	/212.5	P 61270_0	Output Ch2	C2 A2	/84.5	L 21060_0
L1+	+24V			L1+	+24V		
L1-	0V			L1-	0V		
Output Ch3	C3 A3	/220.5	P 71170_0	Output Ch3	C3 A3	/86.2	L 22001_0
Output Ch4	C4 A4	/227.5	P 71270_0	Output Ch4	C4 A4	/89.2	L 22002_0
Output Ch5	C5 A5	100Ω		Output Ch5	C5 A5	/103.2	L 23076_0
Output Ch6	C6 A6	100Ω		Output Ch6	C6 A6	100Ω	
Output Ch7	C7 A7	100Ω		Output Ch7	C7 A7	100Ω	
Output Ch8	C8 A8	100Ω		Output Ch8	C8 A8	/55.6	T 20008_0
L2+	+24V			L2+	+24V		
L2-	0V			L2-	0V		
ABB	AO 810			ABB	AO 810		
ASU Kosice		AIR LIQUIDE		Circuit diagram			
ASU Kosice		ASU Kosice		K.70101			
ASU Kosice		ASU Kosice		I/O allocation DPS 02, slave 1			
ASU Kosice		ASU Kosice		C9792705-1			
ASU Kosice		ASU Kosice		C9792705-1			
ASU Kosice		ASU Kosice		C9792705-1			
ASU Kosice		ASU Kosice		C9792705-1			
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-DPS2\_1\_11

PCS 2

Slave 1

Slot 11

Digital Input

Input Ch1

Input Ch2

Input Ch3

Input Ch4

+24V

0V (A1-A4)

Input Ch5

Input Ch6

Input Ch7

Input Ch8

Input Ch9

Input Ch10

Input Ch11

Input Ch12

Input Ch13

Input Ch14

Input Ch15

Input Ch16

+24V

0V (A5-A8)

ABB

DI 810

C1

B1

C2

B2

L1+

L1-

C3

B3

C4

B4

C5

B5

C6

B6

C7

B7

C8

B8

L2+

L2-

ABB

DI 810

⊗

⊗

⊗

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⊗

⊗

⊗

⊗

⊗

⊗

⊗

⊗

⊗

⊗

⊗

⊗

/67.3

/67.4

/65.7

/234.2

/72.7

/91.2

/96.2

/101.2

/169.2

/176.2

/196.2

/236.3

GH 20026\_I

GL 20026\_I

UA 20025\_I

HA 92002\_I

UA 20027\_I

Q22011\_EA\_I

Q23013\_EA\_I

Q23016\_EA\_I

Q40009\_EA\_I

Q40014\_EA\_I

Q43033\_EA\_I

UH 94021\_I

-DPS2\_1\_12

PCS 2

Slave 1

Slot 12

Digital Output

Output Ch1

Output Ch2

Output Ch3

Output Ch4

+24V

0V (A1-A4)

Output Ch5

Output Ch6

Output Ch7

Output Ch8

Output Ch9

Output Ch10

Output Ch11

Output Ch12

Output Ch13

Output Ch14

Output Ch15

Output Ch16

+24V

0V (A5-A8)

ABB

DO 810

C1

B1

C2

B2

L1+

L1-

C3

B3

C4

B4

C5

B5

C6

B6

C7

B7

C8

B8

L2+

L2-

ABB

DO 810

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⊗

/67.6

/67.8

/44.7

/58.7

/61.5

/234.5

/86.6

/95.7

/47.5

/63.3

/70.3

HS 20026\_1\_0

HS 20026\_2\_0

US 20001\_0

US 20011\_0

US 20012\_0

HA 92002\_0

US 22001\_0

US 23013\_0

UV 20002\_0

HS 20025\_0

HS 20027\_0

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ASU Kosice

AIR LIQUIDE

Air Liquide AGS GmbH

Circuit diagram

I/O allocation DPS 02, slave 1

K.70101

C9792705-1

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1	2	3	4	5	6	7	8		
-DPS2_2_5		-DPS2_2_6							
PCS 2		PCS 2							
Slave 2		Slave 2							
Slot 5		Slot 6							
Analog Input		Analog Input							
RDT (Pt100)		RDT (Pt100)							
<div><div>100Ω</div><div></div></div>		<div><div>100Ω</div><div></div></div>							
Input Ch1	C1 B1 A1	Input Ch1	C1 B1 A1	/57.2	T 20010_I	/202.2	T 61130_I		
Input Ch2	C2 B2 A2	Input Ch2	C2 B2 A2	/60.2	T 20011_I	/203.2	T 61140_I		
L1+ L1-	NC OV	L1+ L1-	NC OV						
Input Ch3	C3 B3 A3	Input Ch3	C3 B3 A3	/62.2	T 20023_I	/204.2	T 61141_I		
Input Ch4	C4 B4 A4	Input Ch4	C4 B4 A4	/62.2	T 20023_I	/209.2	T 61230_I		
Input Ch5	C5 B5 A5	Input Ch5	C5 B5 A5	/75.2	T 20029_I	/210.2	T 61240_I		
Input Ch6	C6 B6 A6	Input Ch6	C6 B6 A6	/82.2	T 21006_I	/211.2	T 61241_I		
Input Ch7	C7 B7 A7	Input Ch7	C7 B7 A7	/97.2	T 23013_I	<div><div>100Ω</div><div></div></div>			
Input Ch8	C8 B8 A8	Input Ch8	C8 B8 A8	/98.2	T 23014_I				
L2+ L2-	NC OV	L2+ L2-	NC OV						
ABB	AI 830	ABB	AI 830						
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1	2	3	4	5	6	7	8
-DPS2_3_3		-DPS2_3_4					
PCS 2		PCS 2					
Slave 3		Slave 3					
Slot 3		Slot 4					
Analog Input		Analog Input					
0(4)-20mA, 0-10V		0(4)-20mA, 0-10V					
Input Ch1		Input Ch1		F 24101_I		T 24120_I	
C1		C1		/106.2		/115.2	
B1		B1					
A1		A1					
Input Ch2		Input Ch2		G 24105_I		T 24121_I	
C2		C2		/113.4		/116.2	
B2		B2					
A2		A2					
L1+		+24V					
L1-		0V					
Input Ch3		Input Ch3		P 24101_I		T 24123_I	
C3		C3		/109.2		/117.2	
B3		B3					
A3		A3					
Input Ch4		Input Ch4		P 24102_I		T 24171_I	
C4		C4		/111.2		/128.2	
B4		B4					
A4		A4					
Input Ch5		Input Ch5		P 24107_I		T 24173_I	
C5		C5		/114.2		/129.2	
B5		B5					
A5		A5					
Input Ch6		Input Ch6		P 24114_I		T 24175_I	
C6		C6		/121.2		/130.2	
B6		B6					
A6		A6					
Input Ch7		Input Ch7		P 24169_I		T 24176_I	
C7		C7		/126.2		/131.2	
B7		B7					
A7		A7					
Input Ch8		Input Ch8		PD 24141_I		T 24177_I	
C8		C8		/120.2		/132.2	
B8		B8					
A8		A8					
L2+		+24V					
L2-		0V					
ABB		AI 810					

Input Ch1

C1  
B1  
A1

Input Ch2

C2  
B2  
A2

L1+

+24V

L1-

0V

Input Ch3

C3  
B3  
A3

Input Ch4

C4  
B4  
A4

Input Ch5

C5  
B5  
A5

Input Ch6

C6  
B6  
A6

Input Ch7

C7  
B7  
A7

Input Ch8

C8  
B8  
A8

L2+

+24V

L2-

0V

ABB

AI 810

ELCAD (R)				Circuit diagram				K.70101				=			
date		21.07.2005		ASU Kosice		AIR LIQUIDE		Air Liquide AGS GmbH		+C13		C9792705-1			
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1		2		3		4		5		6		7		8	
-DPS2_3_5															
PCS 2															
Slave 3															
Slot 5															
Analog Input															
0(4)-20mA, 0-10V															
<div><div><div>Input Ch1</div><div>C1 B1 A1</div></div><div><div>Input Ch2</div><div>C2 B2 A2</div></div><div><div>L1+</div><div>+24V</div></div><div><div>L1-</div><div>0V</div></div><div><div>Input Ch3</div><div>C3 B3 A3</div></div><div><div>Input Ch4</div><div>C4 B4 A4</div></div><div><div>Input Ch5</div><div>C5 B5 A5</div></div><div><div>Input Ch6</div><div>C6 B6 A6</div></div><div><div>Input Ch7</div><div>C7 B7 A7</div></div><div><div>Input Ch8</div><div>C8 B8 A8</div></div><div><div>L2+</div><div>+24V</div></div><div><div>L2-</div><div>0V</div></div><div><div>ABB</div><div>AI 810</div></div></div> <div><div>/118.2</div><div>S 24124_I</div></div> <div><div>/119.4</div><div>X 24124_I</div></div> <div><div>/122.7</div><div>P 24169_I</div></div> <div><div>100Ω</div></div> <div><div>100Ω</div></div> <div><div>100Ω</div></div> <div><div>100Ω</div></div> <div><div>100Ω</div></div> <div><div>100Ω</div></div>															
-DPS2_3_6															
PCS 2															
Slave 3															
Slot 6															
Analog Input															
RDT (PT100)															
<div><div><div>Input Ch1</div><div>C1 B1 A1</div></div><div><div>Input Ch2</div><div>C2 B2 A2</div></div><div><div>L1+</div><div>NC</div></div><div><div>L1-</div><div>0V</div></div><div><div>Input Ch3</div><div>C3 B3 A3</div></div><div><div>Input Ch4</div><div>C4 B4 A4</div></div><div><div>Input Ch5</div><div>C5 B5 A5</div></div><div><div>Input Ch6</div><div>C6 B6 A6</div></div><div><div>Input Ch7</div><div>C7 B7 A7</div></div><div><div>Input Ch8</div><div>C8 B8 A8</div></div><div><div>L2+</div><div>NC</div></div><div><div>L2-</div><div>0V</div></div><div><div>ABB</div><div>AI 830</div></div></div> <div><div>/110.2</div><div>T 24101_I</div></div> <div><div>/112.2</div><div>T 24102_I</div></div> <div><div>100Ω</div></div> <div><div>100Ω</div></div> <div><div>100Ω</div></div> <div><div>100Ω</div></div> <div><div>100Ω</div></div> <div><div>100Ω</div></div>															
Circuit diagram															
I/O allocation DPS 02, slave 3															
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1		2		3		4		5		6		7		8	
-DPS2_3_7				-DPS2_3_8											
PCS 2 Slave 3 Slot 7 Analog Input RDT (Pt100)				PCS 2 Slave 3 Slot 8 Analog Output 0-20mA				H 24105_D /113.6							
<div><div>Input Ch1</div><div>C1 B1 A1</div></div>				<div><div>Input Ch1</div><div>C1 B1 A1</div></div>				<div><div>Output Ch1</div><div>C1 A1</div></div>							
<div><div>Input Ch2</div><div>C2 B2 A2</div></div>				<div><div>Input Ch2</div><div>C2 B2 A2</div></div>				<div><div>Output Ch2</div><div>C2 A2</div></div>							
<div><div>L1+</div><div>L1-</div></div>				<div><div>L1+</div><div>L1-</div></div>				<div><div>L1+</div><div>L1-</div></div>							
<div><div>Input Ch3</div><div>C3 B3 A3</div></div>				<div><div>Input Ch3</div><div>C3 B3 A3</div></div>				<div><div>Output Ch3</div><div>C3 A3</div></div>							
<div><div>Input Ch4</div><div>C4 B4 A4</div></div>				<div><div>Input Ch4</div><div>C4 B4 A4</div></div>				<div><div>Output Ch4</div><div>C4 A4</div></div>							
<div><div>Input Ch5</div><div>C5 B5 A5</div></div>				<div><div>Input Ch5</div><div>C5 B5 A5</div></div>				<div><div>Output Ch5</div><div>C5 A5</div></div>							
<div><div>Input Ch6</div><div>C6 B6 A6</div></div>				<div><div>Input Ch6</div><div>C6 B6 A6</div></div>				<div><div>Output Ch6</div><div>C6 A6</div></div>							
<div><div>Input Ch7</div><div>C7 B7 A7</div></div>				<div><div>Input Ch7</div><div>C7 B7 A7</div></div>				<div><div>Output Ch7</div><div>C7 A7</div></div>							
<div><div>Input Ch8</div><div>C8 B8 A8</div></div>				<div><div>Input Ch8</div><div>C8 B8 A8</div></div>				<div><div>Output Ch8</div><div>C8 A8</div></div>							
<div><div>L2+</div><div>L2-</div></div>				<div><div>L2+</div><div>L2-</div></div>				<div><div>L2+</div><div>L2-</div></div>							
<div><div>ABB AI 830</div></div>				<div><div>ABB AI 830</div></div>				<div><div>ABB AO 810</div></div>							

1		2		3		4		5		6		7		8	
-DPS2_3_9															
PCS 2															
Slave 3															
Slot 9															
Digital Input															
Input Ch1		C1		⊗		/105.4		HA 24100_I		Output Ch1		C1		⊗	
Input Ch2		B1		⊗		/107.3		GL 24101_I		Output Ch2		B1		⊗	
Input Ch3		C2		⊗		/113.2		GL 24105_I		Output Ch3		C2		⊗	
Input Ch4		B2		⊗		/122.3		LL 24160_I		Output Ch4		B2		⊗	
+24V		L1+								+24V		L1+			
0V (A1-A4)		L1-								0V (A1-A4)		L1-			
Input Ch5		C3		⊗		/125.3		PLL 24168_I		Output Ch5		C3		⊗	
Input Ch6		B3		⊗						Output Ch6		B3		⊗	
Input Ch7		C4		⊗		/118.5		SL24124_I		Output Ch7		C4		⊗	
Input Ch8		B4		⊗		/118.7		SHH24124_I		Output Ch8		B4		⊗	
Input Ch9		C5		⊗		/118.4		SH24124_1_I		Output Ch9		C5		⊗	
Input Ch10		B5		⊗		/118.6		SH24124_2_I		Output Ch10		B5		⊗	
Input Ch11		C6		⊗		/206.3		F 61181_I		Output Ch11		C6		⊗	
Input Ch12		B6		⊗		/213.3		F 61281_I		Output Ch12		B6		⊗	
Input Ch13		C7		⊗						Output Ch13		C7		⊗	
Input Ch14		B7		⊗		/122.4		THH 24160_I		Output Ch14		B7		⊗	
Input Ch15		C8		⊗		/122.5		TH 24160_I		Output Ch15		C8		⊗	
Input Ch16		B8		⊗		/187.3		F 40181_I		Output Ch16		B8		⊗	
+24V		L2+								+24V		L2+			
0V (A5-A8)		L2-								0V (A5-A8)		L2-			
ABB		DI 810								ABB		DO 810			
-DPS2_3_10															
PCS 2															
Slave 3															
Slot 10															
Digital Output															
Circuit diagram															
I/O allocation DPS 02, slave 3															
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ELCAD (R)

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b		made	Meis
a	As Built	24.11.06	Kauwen
revision		date	name
		replaced:	replaced:
		Based:	Based:

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1	2	3	4	5	6	7	8
	-DPS2_4_3			-DPS2_4_4			
	PCS 2			PCS 2			
	Slave 4			Slave 4			
	Slot 3			Slot 4			
	Analog Input			Analog Input			
	0(4)-20mA, 0-10V			0(4)-20mA, 0-10V			
		<div> <div>Input Ch1</div> <div>C1 B1 A1</div> </div> <div> <div>Input Ch2</div> <div>C2 B2 A2</div> </div> <div> <div>L1+</div> <div>+24V</div> </div> <div> <div>L1-</div> <div>0V</div> </div> <div> <div>Input Ch3</div> <div>C3 B3 A3</div> </div> <div> <div>Input Ch4</div> <div>C4 B4 A4</div> </div> <div> <div>Input Ch5</div> <div>C5 B5 A5</div> </div> <div> <div>Input Ch6</div> <div>C6 B6 A6</div> </div> <div> <div>Input Ch7</div> <div>C7 B7 A7</div> </div> <div> <div>Input Ch8</div> <div>C8 B8 A8</div> </div> <div> <div>L2+</div> <div>+24V</div> </div> <div> <div>L2-</div> <div>0V</div> </div> <div> <div>ABB</div> <div>AI 810</div> </div>	<div> <div>Input Ch1</div> <div>C1 B1 A1</div> </div> <div> <div>Input Ch2</div> <div>C2 B2 A2</div> </div> <div> <div>L1+</div> <div>+24V</div> </div> <div> <div>L1-</div> <div>0V</div> </div> <div> <div>Input Ch3</div> <div>C3 B3 A3</div> </div> <div> <div>Input Ch4</div> <div>C4 B4 A4</div> </div> <div> <div>Input Ch5</div> <div>C5 B5 A5</div> </div> <div> <div>Input Ch6</div> <div>C6 B6 A6</div> </div> <div> <div>Input Ch7</div> <div>C7 B7 A7</div> </div> <div> <div>Input Ch8</div> <div>C8 B8 A8</div> </div> <div> <div>L2+</div> <div>+24V</div> </div> <div> <div>L2-</div> <div>0V</div> </div> <div> <div>ABB</div> <div>AI 810</div> </div>	<div>/137.2</div> <div>F 24201_I</div> <div>/142.4</div> <div>G 24205_I</div> <div>/138.2</div> <div>P 24201_I</div> <div>/140.2</div> <div>P 24202_I</div> <div>/143.2</div> <div>P 24207_I</div> <div>/150.2</div> <div>P 24244_I</div> <div>/155.2</div> <div>P 24269_I</div> <div>/149.2</div> <div>PD 24241_I</div>	<div>/144.2</div> <div>T 24220_I</div> <div>/145.2</div> <div>T 24221_I</div> <div>/146.2</div> <div>T 24223_I</div> <div>/157.2</div> <div>T 24271_I</div> <div>/158.2</div> <div>T 24273_I</div> <div>/159.2</div> <div>T 24275_I</div> <div>/160.2</div> <div>T 24276_I</div> <div>/161.2</div> <div>T 24277_I</div>		
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				I/O allocation DPS 02, slave 4		C9792705-1	
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