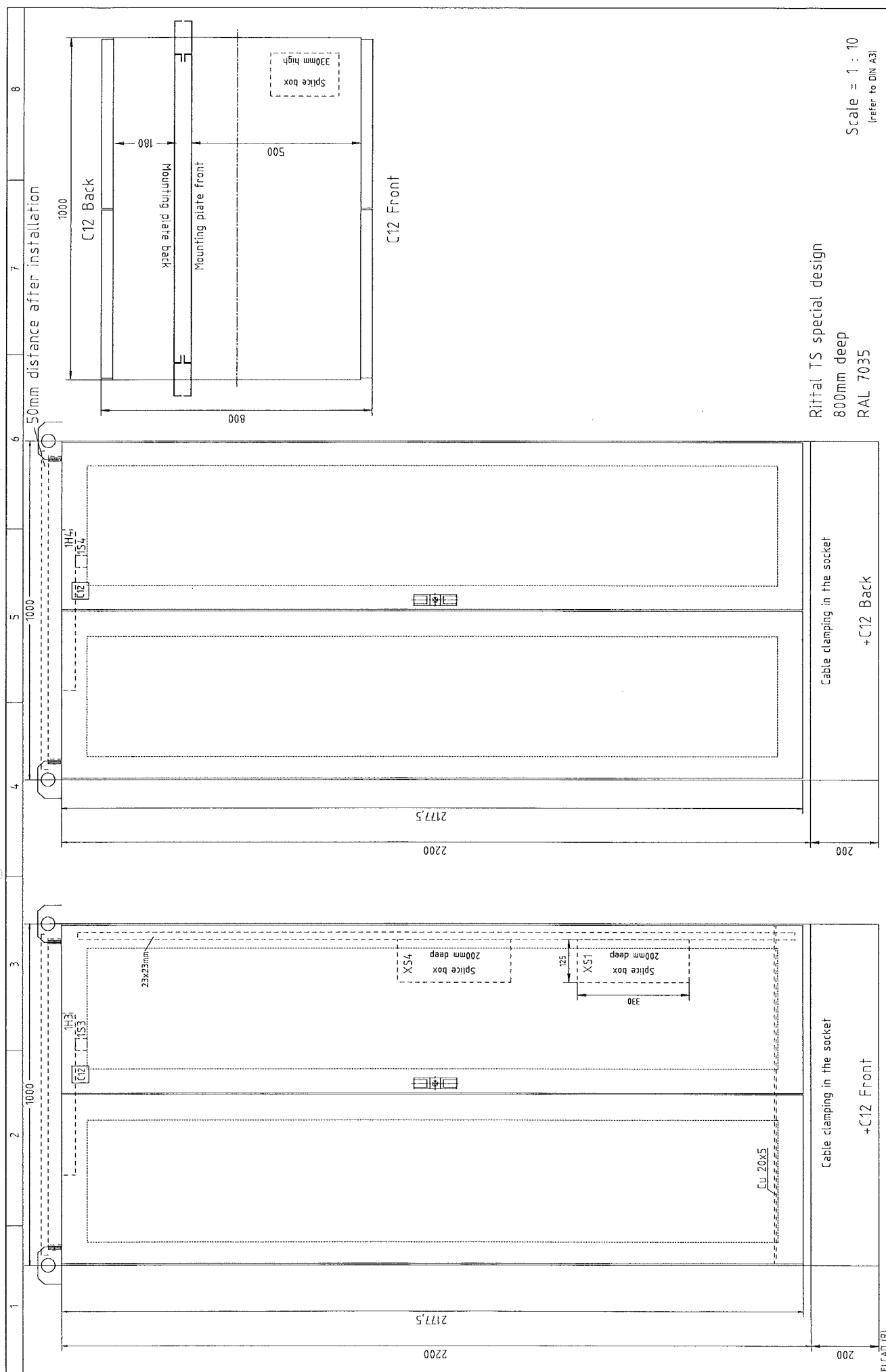


1	2	3	4	5	6	7	8			
SCHEIB ELEKTROTECHNIK GmbH DÜSSELDORF										
D E C K B L A T T C O V E R S H E E T										
AUFTRAGS - NR. : 09/7927/05 - 12 ORDER NO.										
STEUERUNGART : Process control station PCS 01 TYPE OF CONTROL										
KUNDE : Air Liquide AGS CUSTOMER ASU Kosice										
Betriebsspannung : 230V AC operating voltage										
Steuerspannung : 230V AC / 24V DC control voltage										
Signalspannung : 24V DC signal voltage										
Ventilspannung : 24V DC valve voltage										
Insgesamt 125 Blätter total sheets										
ELCAD (P)										
c	date	15.11.2005	ASU Kosice		AIR LIQUIDE <input checked="" type="checkbox"/> Air Liquide AGS GmbH based:			Cover sheet	K.70101	= +C12
b	As built	21.11.06	Kauven made	Damm-Kauven						
a	revision	21.07.05	Pleis check							
				replaced:	replaced:		B9792705-01			page 0 125 sh.



Rittal TS special design
800mm deep
RAL 7035

Scale = 1 : 10
(refer to DIN A3)

ELCAD (R)		ASU Kosice		Assembly plan		K.70101		=		+C12	
a	date	15.11.2005	made	Damm-Kauven							
b											
d	As built	24.11.06	Kauven	check							
	revision	date	name	stand.	replaced:						
					replaced:						
						Cabinet +C12 Front and Back					
						B9792705-01					
						page 1					
						sh.					

Terminal block ...X...

End plate		X	
a	b	c	d
orange	grey	white	grey
Typ: 727-117	Typ: 727-129/002-000	Typ: 727-131/002-000	Typ: 727-129/002-000
etc.			

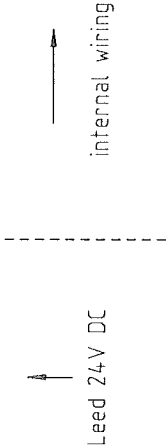
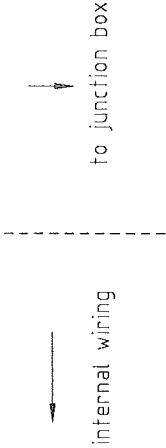
Potential terminal X0

+ 24V DC / Masse

End plate		X0	
a	b	c	d
orange	grey	orange	grey
Typ: 727-117	Typ: 727-135/002-000	Typ: 727-137/002-000	Typ: 727-137/002-000
etc.			

etc.

etc.



	1	2	3	4	5	6	7	8		
	F 13006_I	F 80001_I	PD 13004_I	T 12003_I	T 80001_I	T 90008_I	F 13006_O	T 90008_O	EH 12001_I	H 87017_O
	F 13007_I	P 80001_I		T 13005_I	T 80010_I	T 90010_I	F 13007_O		UH 12001_I	H 90013_O
	L 13003_I	P 81010_I		T 13026_I		T 90013_I	L 13003_O		EH 12001_I	H 90014_O
	L 13013_I	P 87012_I			T 87038_I		L 14003_O		UA 12001_I	H 90015_O
	L 14003_I				T 87078_I				UH 94001_I	
		P 82010_I					H 12001_O		UH 94002_I	
		P 87025_I					T 12003_O		UH 94024_I	
	F 12005_I	P 87065_I					F 12005_O		UH 94010_I	
	DPS1_1_3	DPS1_1_4	DPS1_1_5	DPS1_1_6	DPS1_1_7	DPS1_1_8	DPS1_1_9	DPS1_1_10	UH 94011_I	
									UH 94012_I	
									UH 94013_I	HS 15040_O
									UH 94020_I	HSH 12001_O
									DPS1_1_11	DPS1_1_12

ELCAD (RI)

c

b

a

21.07.2005

24.11.06

29.8.05

date

Kauwen made

Kauwen check

date

name

stand.

ASU Kosice

replaced:

ASU Kosice

replaced:

Assembly plan

Labels

K.70101

B9792705-01

=

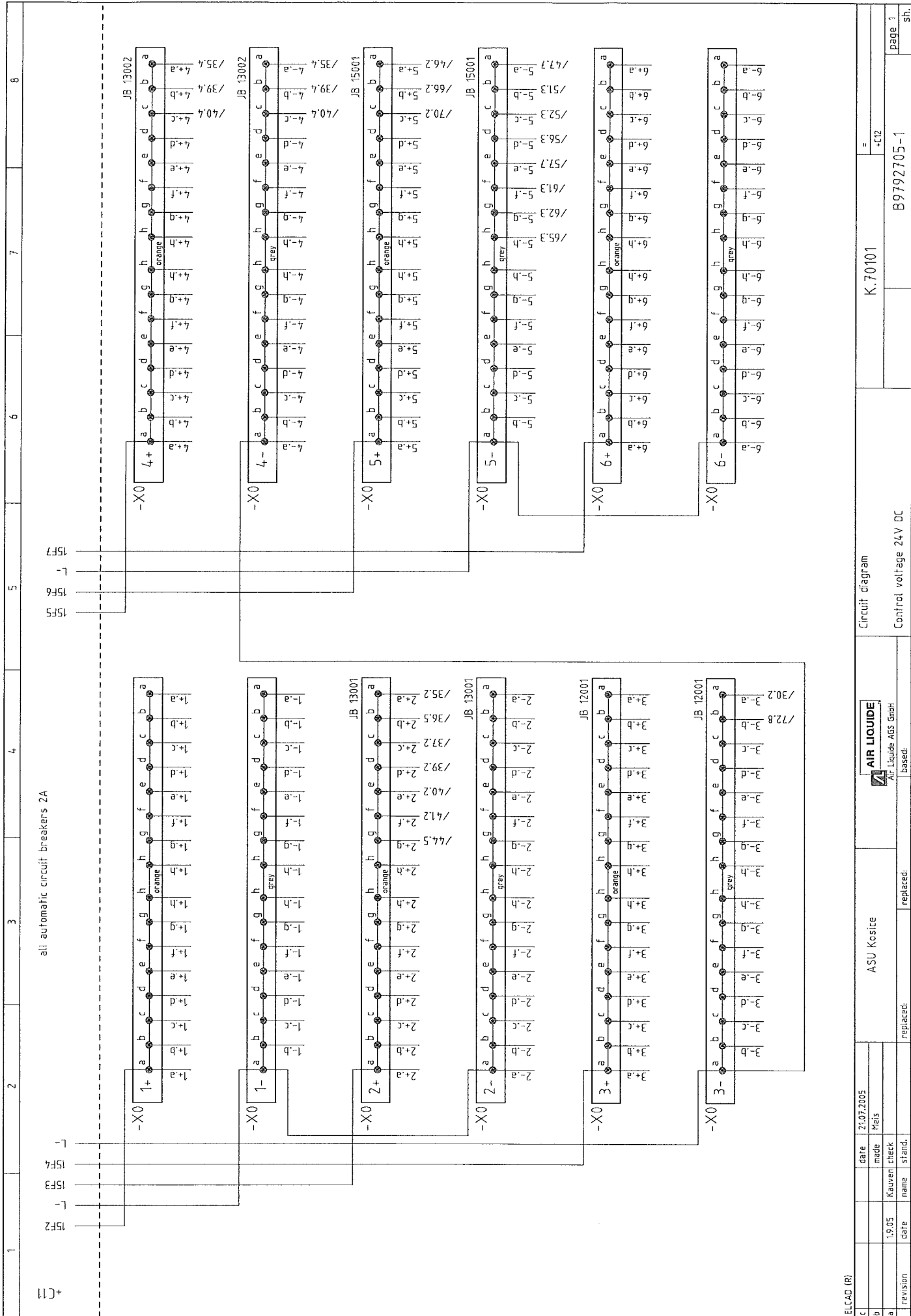
-c12

page 4

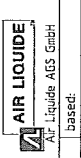
sh.

[illegible]

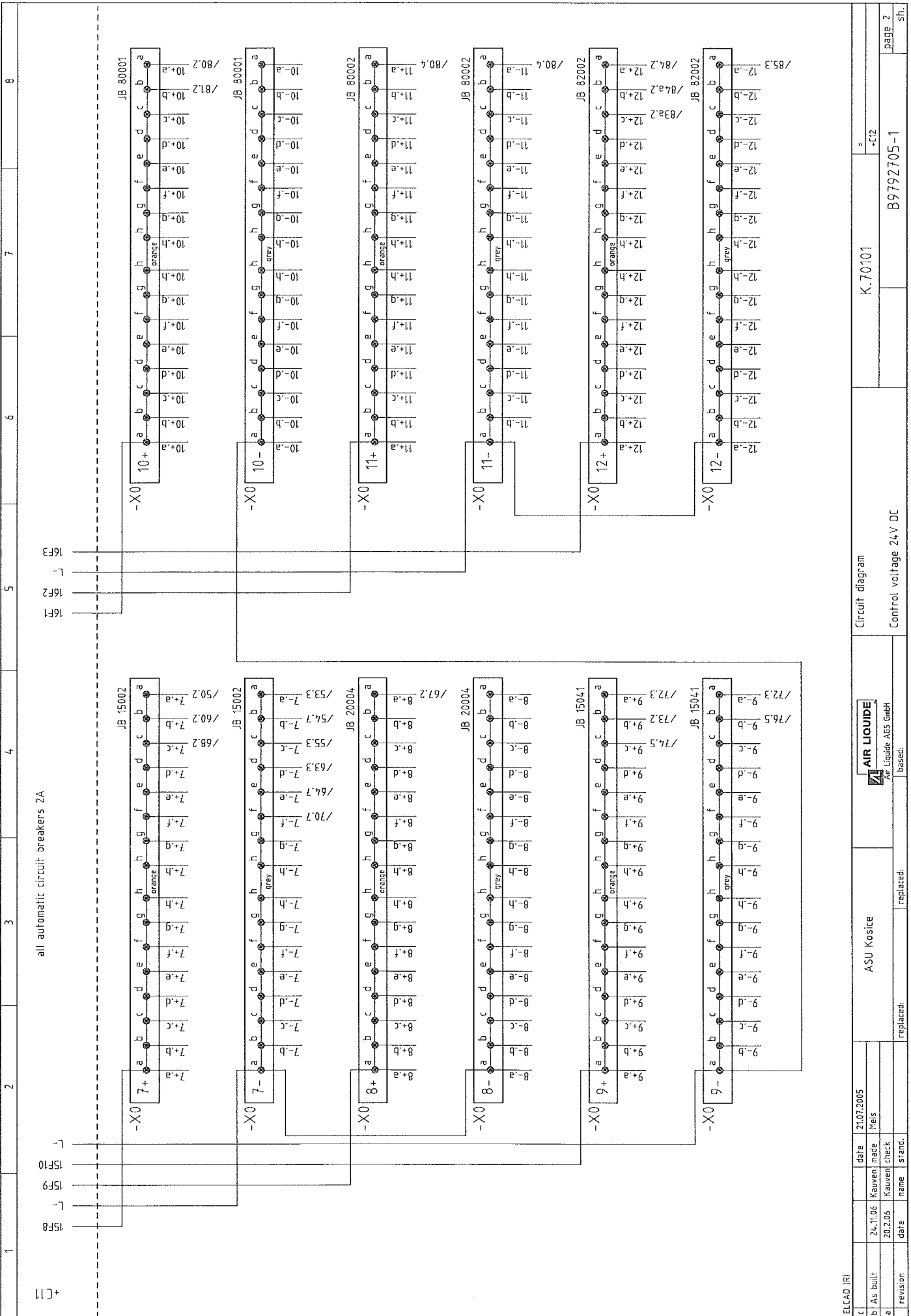
1		2		3		4		5		6		7		8	
Nr. Stck. No. Qty.		Benennung Description		Hersteller Manufacturer		Kennzeichnung Mark		Type Type		Bemerkung Notes					
16		I/O System		ABB				S800		Accessory equipment Air Liquide					
2		Profibus Communications Interface		ABB		DPS1_1_1A, DPS1_2_1A		C1830		Beistellg. Fa. Air Liquide					
5		Analog Input modul 1x8 ch., 0(4)-20mA, 0-10V		ABB		DPS1_1_3, DPS1_1_4, DPS1_1_5, DPS1_2_3, DPS1_2_4		A1810							
4		Analog Input modul 1x8 ch., PH100		ABB		DPS1_1_6, DPS1_1_7, DPS1_1_8, DPS1_2_5		A1830							
3		Analog Output modul 1x8 ch., 0(4)-20mA, 14 bit		ABB		DPS1_1_9, DPS1_1_10, DPS1_2_6		A0810							
2		Digital input modul 24V DC, 2x8 ch.		ABB		DPS1_1_11, DPS1_2_7		D1810							
2		Digital Output modul 24V DC, 2x8 ch., 0,5A		ABB		DPS1_1_12, DPS1_2_8		D0810							
20		Compact Module Termination unit		ABB				TU810V1							
17		Terminals Klemmen		Weidmüller		X...		WDU, WDU BL, WPE							
18		Initiator terminal Initiator-Klemme		Phoenix		XN1		EIK1-SVN-24P		Art.-Nr. 2940799					
19		PTC - Terminal		Bürklin		XP1, XP2		PTC B59990-C120-A70							
20		PTC - Klemme		Weidmüller				Klemme: WDK 2,5							
20		8-stages cross-connection terminal		Wago		X...		727-129/002-000		a-h/h-a grey					
21		8-Etagen Rangierklemmen a-h/h-a grau		Wago		X...		727-131/002-000		a-h/h-a white					
22		8-stages cross-connection terminal		Wago		X...		727-135/002-000		a-h/h-a orange					
23		8-Etagen Rangierklemmen a-h/h-a orange		Wago		X...		727-137/002-000		a-h/h-a grey					
24		8-stages potential terminal		Wago											
24		8-stages potential terminal		Wago											
24		8-Etagen Potentiaklemmen a-h/h-a grau		Wago											
24		Cover plate orange													
24		Abschlußplatte orange													



ELCAD (R)		date		21.07.2005		ASU Kosice		Circuit diagram		K.70101		= +C12		B9792705-1		page 1		sh.	
c		made		Meis															
b		check		Kauven															
a		date		19.05															
revision		replaced:		replaced:		based:		Control voltage 24V DC											



AIR LIQUIDE
Air Liquide AGS GmbH



all automatic circuit breakers 2A

The diagram illustrates the wiring for six terminal blocks, each with 16 terminals. The terminals are labeled as follows:

- JB 20003:** 13+, 13-, 13.a, 13.b, 13.c, 13.d, 13.e, 13.f, 13.g, 13.h, 13.i, 13.j, 13.k, 13.l, 13.m, 13.n, 13.o.
- JB 20030:** 14+, 14-, 14.a, 14.b, 14.c, 14.d, 14.e, 14.f, 14.g, 14.h, 14.i, 14.j, 14.k, 14.l, 14.m, 14.n, 14.o.
- JB 90001:** 15+, 15-, 15.a, 15.b, 15.c, 15.d, 15.e, 15.f, 15.g, 15.h, 15.i, 15.j, 15.k, 15.l, 15.m, 15.n, 15.o.

The wiring is as follows:

- JB 20003:** 13+ is connected to 13.a, 13.b, 13.c, 13.d, 13.e, 13.f, 13.g, 13.h, 13.i, 13.j, 13.k, 13.l, 13.m, 13.n, 13.o. 13- is connected to 13.a, 13.b, 13.c, 13.d, 13.e, 13.f, 13.g, 13.h, 13.i, 13.j, 13.k, 13.l, 13.m, 13.n, 13.o.
- JB 20030:** 14+ is connected to 14.a, 14.b, 14.c, 14.d, 14.e, 14.f, 14.g, 14.h, 14.i, 14.j, 14.k, 14.l, 14.m, 14.n, 14.o. 14- is connected to 14.a, 14.b, 14.c, 14.d, 14.e, 14.f, 14.g, 14.h, 14.i, 14.j, 14.k, 14.l, 14.m, 14.n, 14.o.
- JB 90001:** 15+ is connected to 15.a, 15.b, 15.c, 15.d, 15.e, 15.f, 15.g, 15.h, 15.i, 15.j, 15.k, 15.l, 15.m, 15.n, 15.o. 15- is connected to 15.a, 15.b, 15.c, 15.d, 15.e, 15.f, 15.g, 15.h, 15.i, 15.j, 15.k, 15.l, 15.m, 15.n, 15.o.

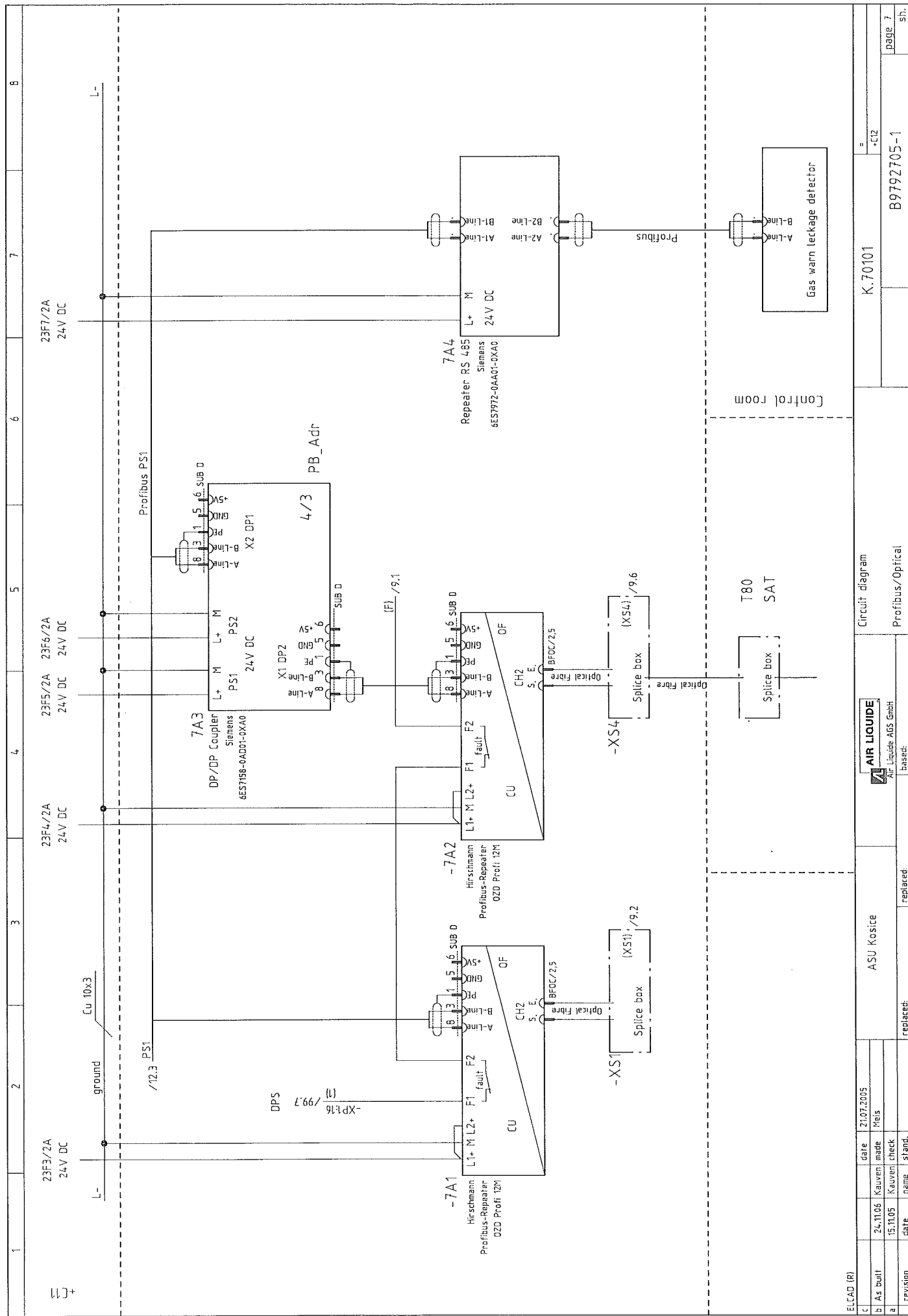
The legend for the color codes is as follows:

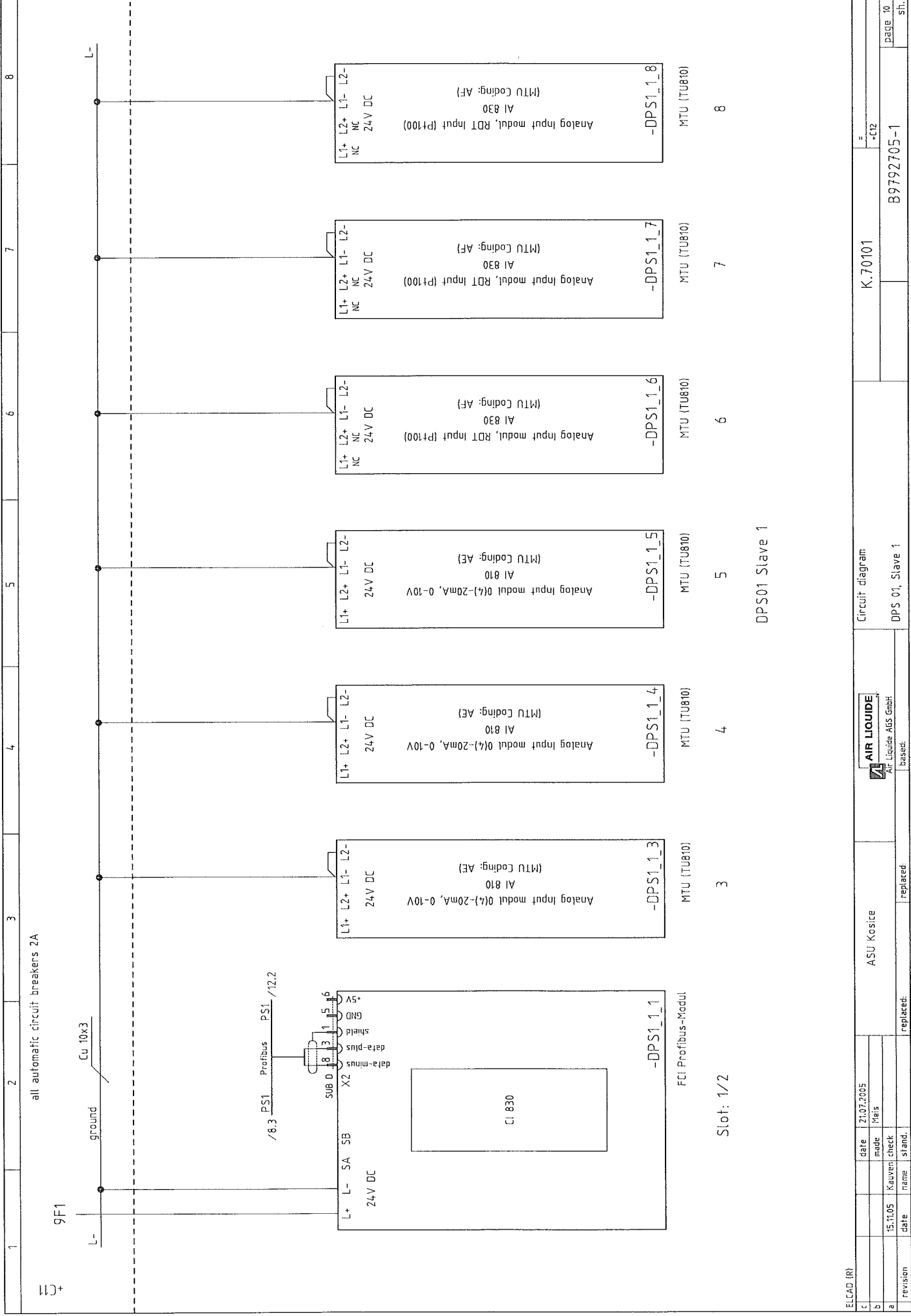
Color	Terminal
Orange	13.a, 13.b, 13.c, 13.d, 13.e, 13.f, 13.g, 13.h, 13.i, 13.j, 13.k, 13.l, 13.m, 13.n, 13.o
Grey	14.a, 14.b, 14.c, 14.d, 14.e, 14.f, 14.g, 14.h, 14.i, 14.j, 14.k, 14.l, 14.m, 14.n, 14.o
White	15.a, 15.b, 15.c, 15.d, 15.e, 15.f, 15.g, 15.h, 15.i, 15.j, 15.k, 15.l, 15.m, 15.n, 15.o

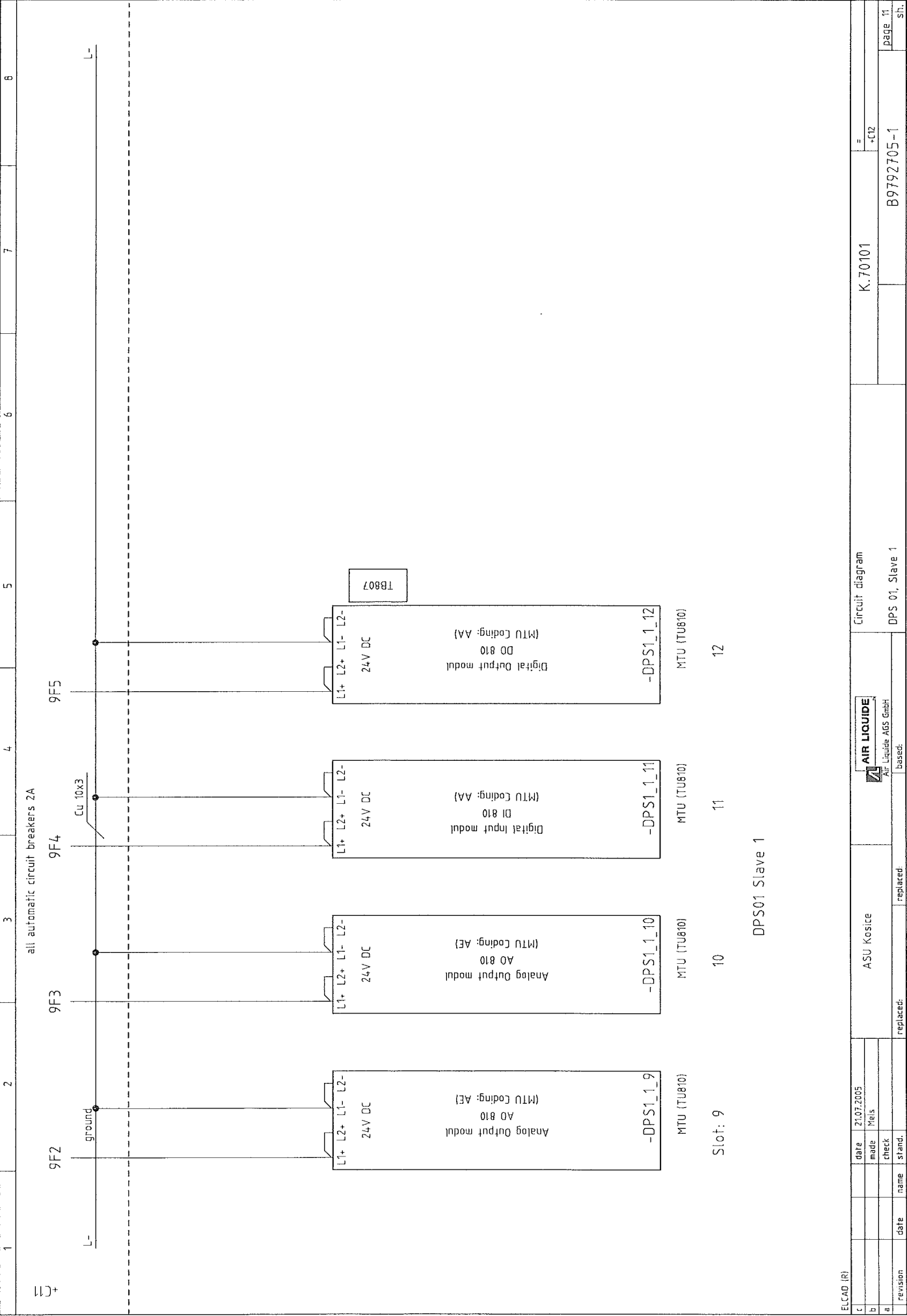
[illegible]

[illegible]

[illegible]

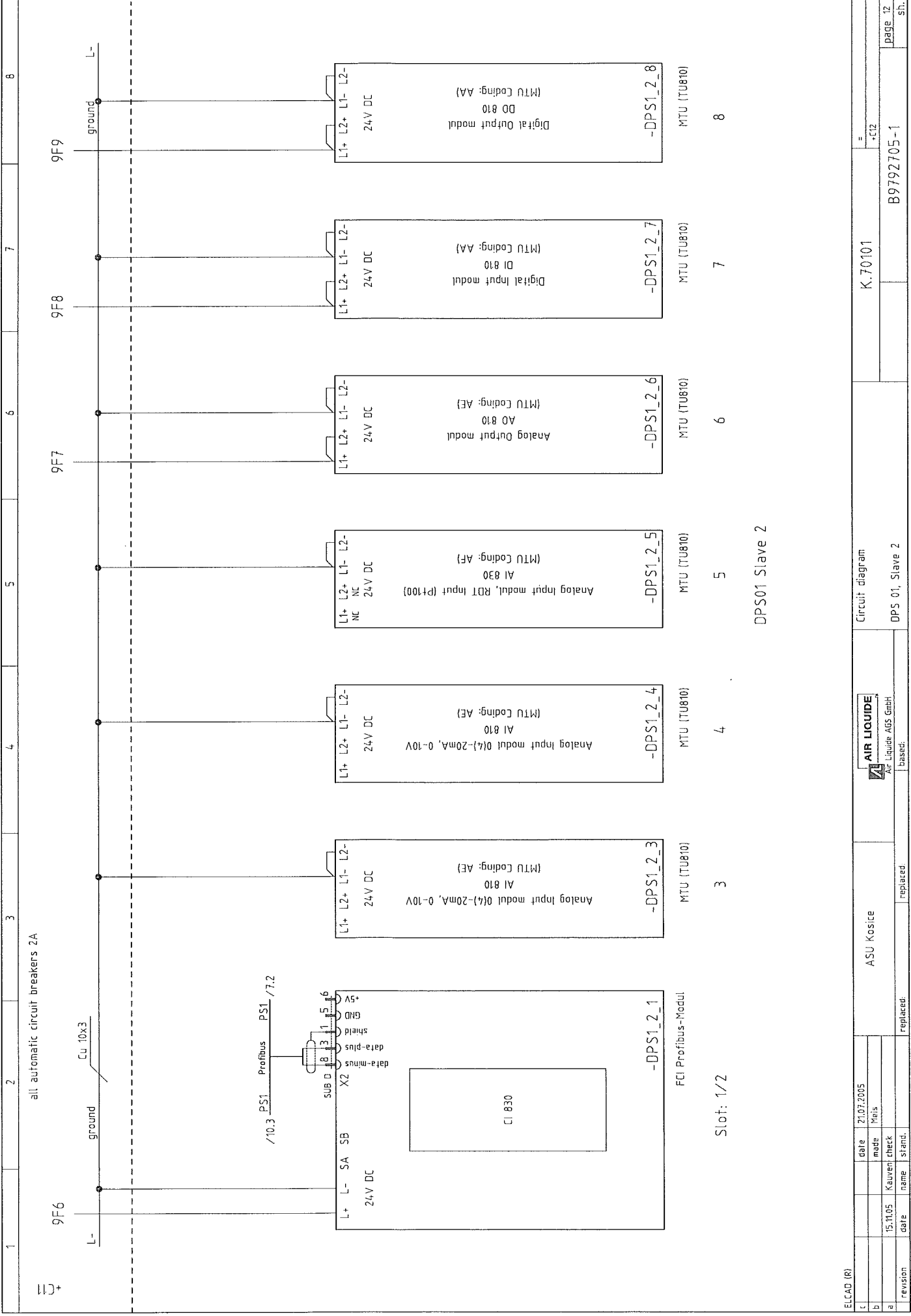




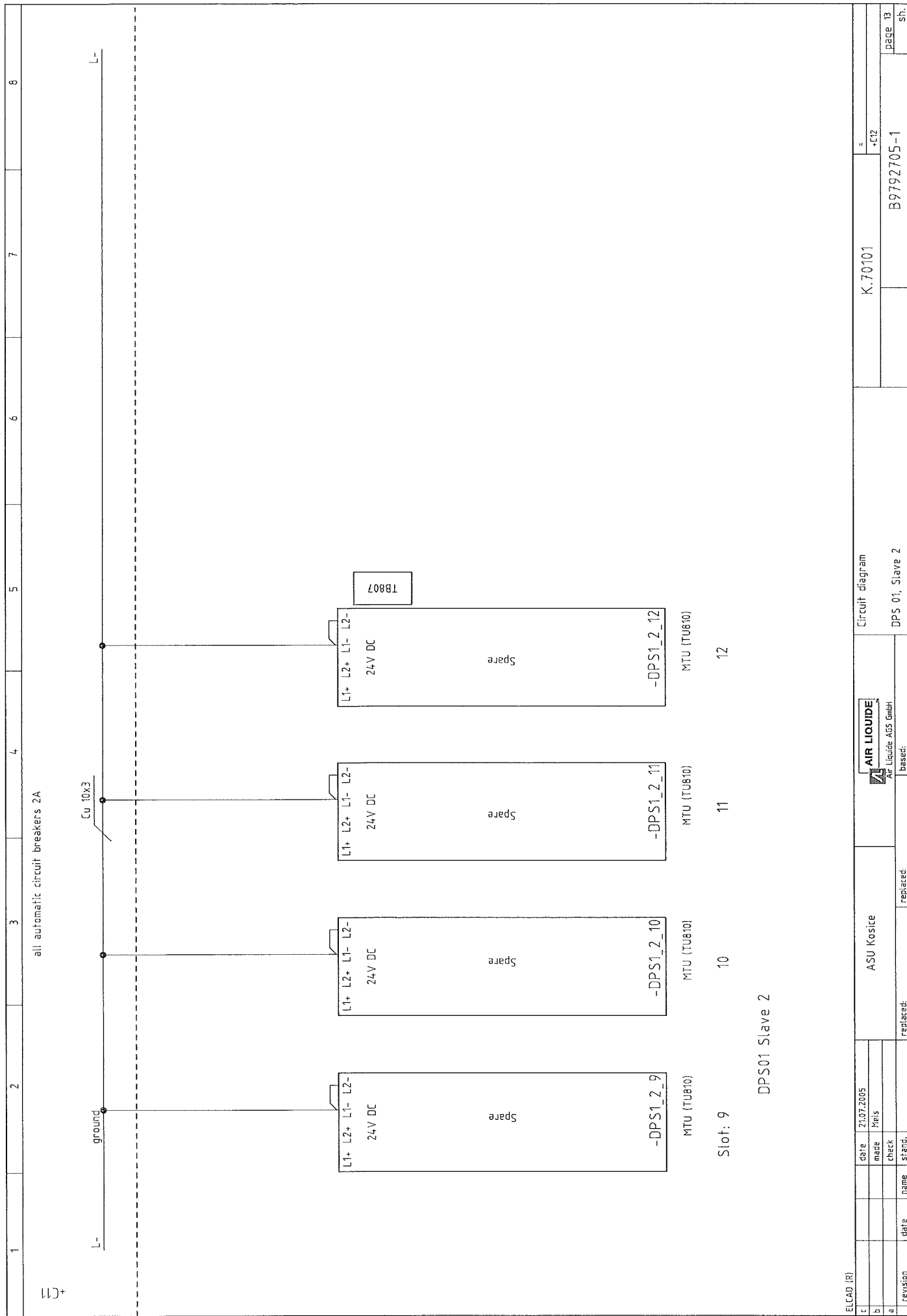


ELCAD (R)

c	date	21.07.2005	mode	Meis	replaced:	ASU Kosice	AIR LIQUIDE	Circuit diagram	K.70101	=	+C12	page 11
b	check		check		replaced:		Air Liquide AGS GmbH					sh.
a	revision		name	stand.								

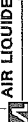


ELCAD (R)				Circuit diagram				= +C12			
c		date	21.07.2005	ASU Kosice				K.70101			
b		mode	Meis								
a	15.11.05	Kauven	check								
revision		date	name	stand.	replaced:	replaced:		DPS 01, Slave 2		B9792705-1	
										page 12	
										sh.	



ELCAD (R)										21.07.2005		ASU Kosice		Circuit diagram		K.70101		=		+C12		Page 14		8	
										date															
										made															
										check															
										stand.															
										name															
										date															
										revision															
										replaced:															
										replaced:															
										replaced:															
										replaced:															
										replaced:															
										replaced:															
										replaced:															
										replaced:															
										replaced:															
										replaced:															
										replaced:															
										replaced:															
										replaced:															
										replaced:															
										replaced:															
										replaced:															
										replaced:															
										replaced:															
										replaced:															
										replaced:															
										replaced:															
										replaced:															
										replaced:															
										replaced:															
										replaced:															
										replaced:															
										replaced:															
										replaced:															
										replaced:															
										replaced:															
										replaced:															
										replaced:															
										replaced:															
										replaced:															
										replaced:															
										replaced:															
										replaced:															
										replaced:															
										replaced:															
										replaced:															
										replaced:															
										replaced:															
										replaced:															
										replaced:															
										replaced:															
										replaced:															
										replaced:															
										replaced:															
										replaced:															
										replaced:															
										replaced:															

1	2	3	4	5	6	7	8
---	---	---	---	---	---	---	---

ELCAD (R)									
c				date	21.07.2005				
b				made	Metz				
a	revision	date	name	check	stand.				
						replaced:		replaced:	
						ASU Kosice			
									
						Air Liquide AGS GmbH			
						based:			
						Circuit diagram			
						Spare			
						K.70101			
						=			
						-CT2			
						B9792705-1			
						page 15			
						sh.			

1	2	3	4	5	6	7	8
-DPS1_1_5		-DPS1_1_6					
PCS 1 Slave 1 Slot 5 Analog Input 0(4)-20mA, 0-10V		PCS 1 Slave 1 Slot 6 Analog Input RDT (Pt100)					
<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>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>/37.2</div><div>PD 13004_I</div><div>100Ω</div></div> <div><div>/37.2</div><div>100Ω</div></div> <div><div>/37.2</div><div>100Ω</div></div> <div><div>/37.2</div><div>100Ω</div></div> <div><div>/37.2</div><div>100Ω</div></div> <div><div>/37.2</div><div>100Ω</div></div> <div><div>/37.2</div><div>100Ω</div></div> <div><div>/37.2</div><div>100Ω</div></div>		<div><div>/33.2</div><div>T 12003_I</div><div>100Ω</div></div> <div><div>/38.2</div><div>T 13005_I</div><div>100Ω</div></div> <div><div>/42.2</div><div>T 13026_I</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> <div><div>100Ω</div></div>	
ELCAD (R)				Circuit diagram		= +C12	
21.07.2005		date		K.70101		page 17	
made		Meis				sh.	
29.05		date		B9792705-1			
revision		name					
replaced:		replaced:					
based:		based:					
ASU Kosice		AIR LIQUIDE					
		Air Liquide ASS GmbH					

/33.2

T 12003_I

100Ω

100Ω

100Ω

100Ω

100Ω

100Ω

100Ω

100Ω

ELCAD (R)

revision	date	name	stand.	replaced:	replaced:	ASU Kosice	AIR LIQUIDE Air Liquide AIS GmbH	Circuit diagram	K.70101	= +C12	page 17 sh.
a	29.8.05	Kauver	check								
b			made								
c			date	21.07.2005							

1	2	3	4	5	6	7	8		
-DPS1_1_7		-DPS1_1_8							
PCS 1		PCS 1							
Slave 1		Slave 1							
Slot 7		Slot 8							
Analog Input		Analog Input							
RDT (Pt100)		RDT (Pt100)							
<div><div>Input Ch1</div><div>C1</div></div> <div><div>Input Ch2</div><div>C2</div></div> <div><div>L1+</div><div>L1-</div></div> <div><div>Input Ch3</div><div>C3</div></div> <div><div>Input Ch4</div><div>C4</div></div> <div><div>Input Ch5</div><div>C5</div></div> <div><div>Input Ch6</div><div>C6</div></div> <div><div>Input Ch7</div><div>C7</div></div> <div><div>Input Ch8</div><div>C8</div></div> <div><div>L2+</div><div>L2-</div></div> <div><div>ABB</div><div>AI 830</div></div>		<div><div>/82.2</div><div>T 80001_I</div></div>		<div><div>/91.2</div><div>T 90008_I</div></div>					
		<div><div>/83.2</div><div>T 80010_I</div></div>		<div><div>/92.2</div><div>T 90010_I</div></div>					
<div><div>100Ω</div><div>100Ω</div></div>		<div><div>/87.2</div><div>T 87038_I</div></div>		<div><div>100Ω</div><div>100Ω</div></div>					
		<div><div>/89.2</div><div>T 87078_I</div></div>		<div><div>100Ω</div><div>100Ω</div></div>					
<div><div>100Ω</div><div>100Ω</div></div>		<div><div>100Ω</div><div>100Ω</div></div>		<div><div>100Ω</div><div>100Ω</div></div>					
		<div><div>100Ω</div><div>100Ω</div></div>		<div><div>100Ω</div><div>100Ω</div></div>					
<div><div>NC</div><div>OV</div></div>				<div><div>NC</div><div>OV</div></div>					
				<div><div>ABB</div><div>AI 830</div></div>		<div><div>ABB</div><div>AI 830</div></div>			

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

1		2		3		4		5		6		7		8	
-DPS1_1_11				-DPS1_1_12											
PCS 1				PCS 1											
Slave 1				Slave 1											
Slot 11				Slot 12											
Digital Input				Digital Output											
Input Ch1				Output Ch1											
Input Ch2				Output Ch2											
Input Ch3				Output Ch3											
Input Ch4				Output Ch4											
+24V L1+				+24V L1+											
0V (A1-A4) L1-				0V (A1-A4) L1-											
Input Ch5				Output Ch5											
Input Ch6				Output Ch6											
Input Ch7				Output Ch7											
Input Ch8				Output Ch8											
Input Ch9				Output Ch9											
Input Ch10				Output Ch10											
Input Ch11				Output Ch11											
Input Ch12				Output Ch12											
Input Ch13				Output Ch13											
Input Ch14				Output Ch14											
Input Ch15				Output Ch15											
Input Ch16				Output Ch16											
+24V L2+				+24V L2+											
0V (A5-A8) L2-				0V (A5-A8) L2-											
ABB DI 810				ABB DO 810											

[illegible]

1	2	3	4	5	6	7	8		
-DPS1_2_3		-DPS1_2_4							
<div>PCS 1 Slave 2 Slot 3 Analog Input 0(4)-20mA, 0-10V</div>		<div>PCS 1 Slave 2 Slot 4 Analog Input 0(4)-20mA, 0-10V</div>							
<div>Input Ch1 Input Ch2 L1+ L1- Input Ch3 Input Ch4 Input Ch5 Input Ch6 Input Ch7 Input Ch8 L2+ L2- ABB AI 810</div>		<div>Input Ch1 Input Ch2 L1+ L1- Input Ch3 Input Ch4 Input Ch5 Input Ch6 Input Ch7 Input Ch8 L2+ L2- ABB AI 810</div>		<div>F 15041_I P 15010_I P 15012_I P 15022_I P 15035_I P 15037_I P 15041_I PD 15031_I</div>		<div>/73.2 /46.2 /50.2 /60.2 /68.2 /70.2 /74.5 /66.2</div>		<div>F 15035_I 100Ω 100Ω 100Ω 100Ω 100Ω 100Ω</div>	<div>C1 B1 A1 C2 B2 A2 +24V 0V C3 B3 A3 C4 B4 A4 C5 B5 A5 C6 B6 A6 C7 B7 A7 C8 B8 A8 +24V 0V ABB AI 810</div>
date 21.07.2005		date 21.07.2005		Circuit diagram					
ASU Kosice		ASU Kosice		I/O allocation DPS 01, slave 2					
Air Liquide AGS GmbH		Air Liquide AGS GmbH		K.70101					
replaced:		replaced:		B9792705-1					
replaced:		replaced:		sh.					
ELCAD (R)		ELCAD (R)		ELCAD (R)					
page 22		page 22		page 22					

1	2	3	4	5	6	7	8
-DPS1_2_5		-DPS1_2_6					
PCS 1 Slave 2 Slot 5 Analog Input RDT (Pt100)		PCS 1 Slave 2 Slot 6 Analog Output 0-20mA					
Input Ch1 C1 B1 A1 Input Ch2 C2 B2 A2 L1+ NC 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+ NC L2- 0V ABB AI 830		/49.2 T 15011_I /59.2 T 15021_I /69.2 T 15035_I /75.2 T 15043_I 100Ω 100Ω 100Ω 100Ω					

1	2	3	4	5	6	7	8
-DPS1_2_7		-DPS1_2_8					
PCS 1 Slave 2 Slot 7 Digital Input		PCS 1 Slave 2 Slot 8 Digital Output					
Input Ch1	C1	/48.3	LH 15011_I	Output Ch1	C1		
Input Ch2	B1	/58.3	LH 15021_I	Output Ch2	B1	/47.7	US 15011_0
Input Ch3	C2	/47.3	GH 15011_I	Output Ch3	C2	/51.2	US 15012_0
Input Ch4	B2	/47.4	GL 15011_I	Output Ch4	B2	/52.2	US 15013_0
+24V	L1+			+24V	L1+		
0V (A1-A4)	L1-			0V (A1-A4)	L1-		
Input Ch5	C3	/54.3	GH 15016_I	Output Ch5	C3	/53.2	US 15014_0
Input Ch6	B3	/54.4	GL 15016_I	Output Ch6	B3	/54.7	US 15016_0
Input Ch7	C4	/57.3	GH 15021_I	Output Ch7	C4	/55.2	US 15017_0
Input Ch8	B4	/57.4	GL 15021_I	Output Ch8	B4	/56.2	US 15018_0
Input Ch9	C5	/64.3	GH 15026_I	Output Ch9	C5	/57.7	US 15021_0
Input Ch10	B5	/64.4	GL 15026_I	Output Ch10	B5	/61.2	US 15022_0
Input Ch11	C6	/72.7	TH 15040	Output Ch11	C6	/62.2	US 15023_0
Input Ch12	B6	/48a.3	UH 94000_I	Output Ch12	B6	/63.2	US 15024_0
Input Ch13	C7	/48b.3	UH 97000_I	Output Ch13	C7	/64.7	US 15026_0
Input Ch14	B7	/48c.3	Q 97100_UA_I	Output Ch14	B7	/65.2	US 15028_0
Input Ch15	C8	/48c.4	Q 97100_I	Output Ch15	C8	/76.5	UV 15043_0
Input Ch16	B8			Output Ch16	B8	/70.7	UV 15037_0
+24V	L2+			+24V	L2+		
0V (A5-A8)	L2-			0V (A5-A8)	L2-		
ABB	DI 810			ABB	DO 810		
				Circuit diagram			
				I/O allocation DPS 01, slave 2			
				K.70101			
				B9792705-1			
				= -C12			
				page 24			
				sh.			

ELCAD (R)

c	date	21.07.2005					
b	made	Mis					
a	As built	24.11.06	Kauwen	check			
revision	date		name	stand.	replaced:	replaced:	

AIR LIQUIDE
Air Liquide AGS GmbH
based:

ASU Kosice

[illegible]

[illegible]

[illegible]

12345678

all automatic circuit breakers 2A

13F9

-DPS1_1_11

EH 12001_J
Refrigeration plant
check back signal

DI 810 PCS 1 Slave 1 Slot 11
Input Ch1

/20.3

C1

-DPS1_1_11

EH 12001_J
Refrigeration plant
full load

DI 810 PCS 1 Slave 1 Slot 11
Input Ch3

/20.3

C2

24V DC

-XP1

+C12

-12001X1

E-C12-JB12001-1
2x2x0.5mm

1a

1b

1BU

1RD

-X

1A10

-K

is on

EH 12001

24V DC

-XP1

+C12

1g

1h

1WH

1BK

-J2

1A9

-K

is on

full load

EH 12001

(Xp1) /31.2

+JB12001

Control cabinet

Field

Field

ELCAD (R)

ASU Kosice

date 21.07.2005

made MoIs

29.8.05

name Kauen

date

replaced:

replaced:

revision

replaced:

name

replaced:

date

replaced:

made

replaced:

date

replaced:

name

replaced:

date

replaced:

made

replaced:

date

replaced:

name

replaced:

date

replaced:

made

replaced:

date

replaced:

name

replaced:

date

replaced:

made

replaced:

date

replaced:

name

replaced:

date

replaced:

made

replaced:

date

replaced:

name

replaced:

date

replaced:

made

replaced:

date

replaced:

name

replaced:

date

replaced:

made

replaced:

date

replaced:

name

replaced:

date

replaced:

made

replaced:

date

replaced:

name

replaced:

date

replaced:

made

replaced:

date

replaced:

name

replaced:

date

replaced:

made

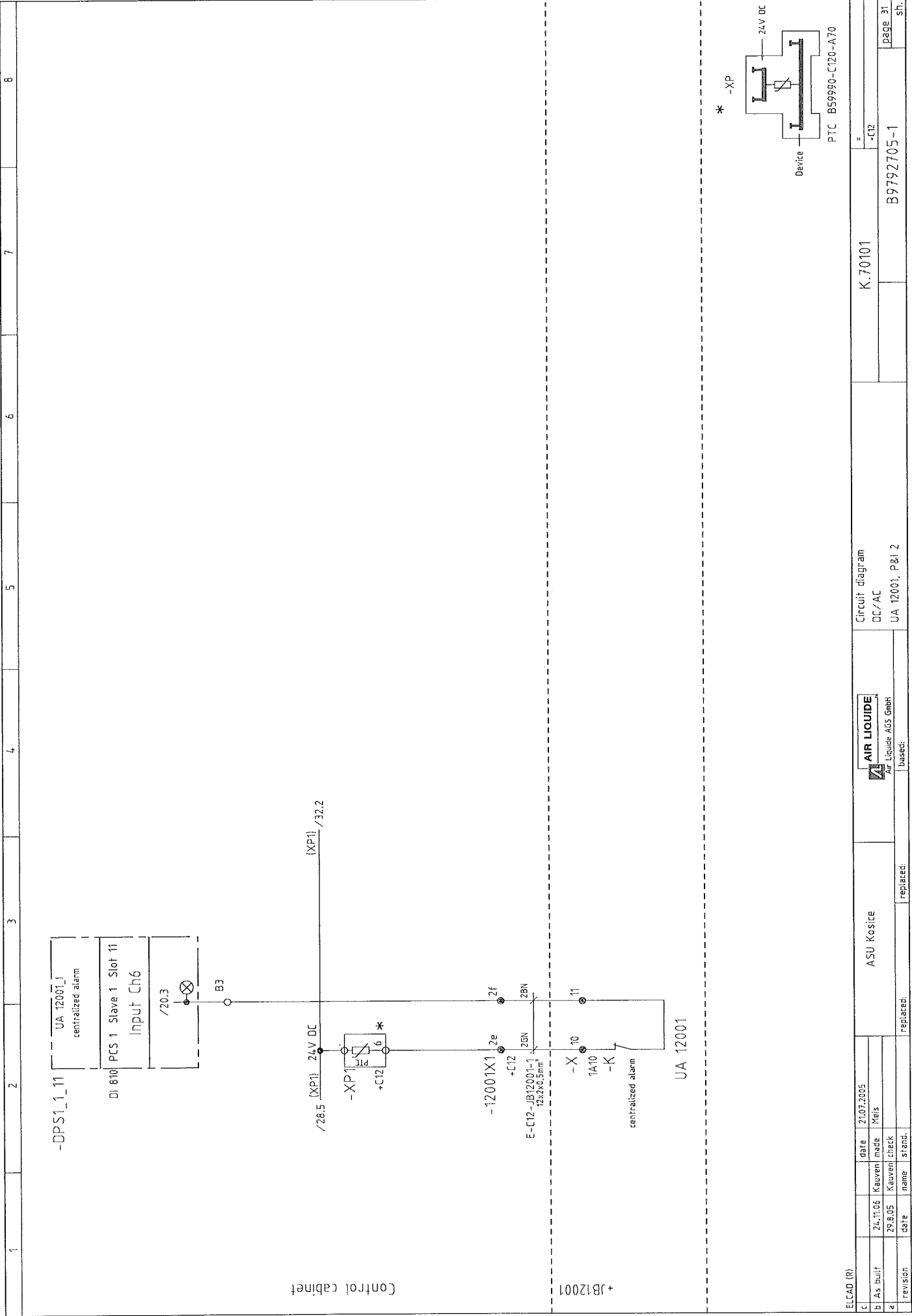
replaced:

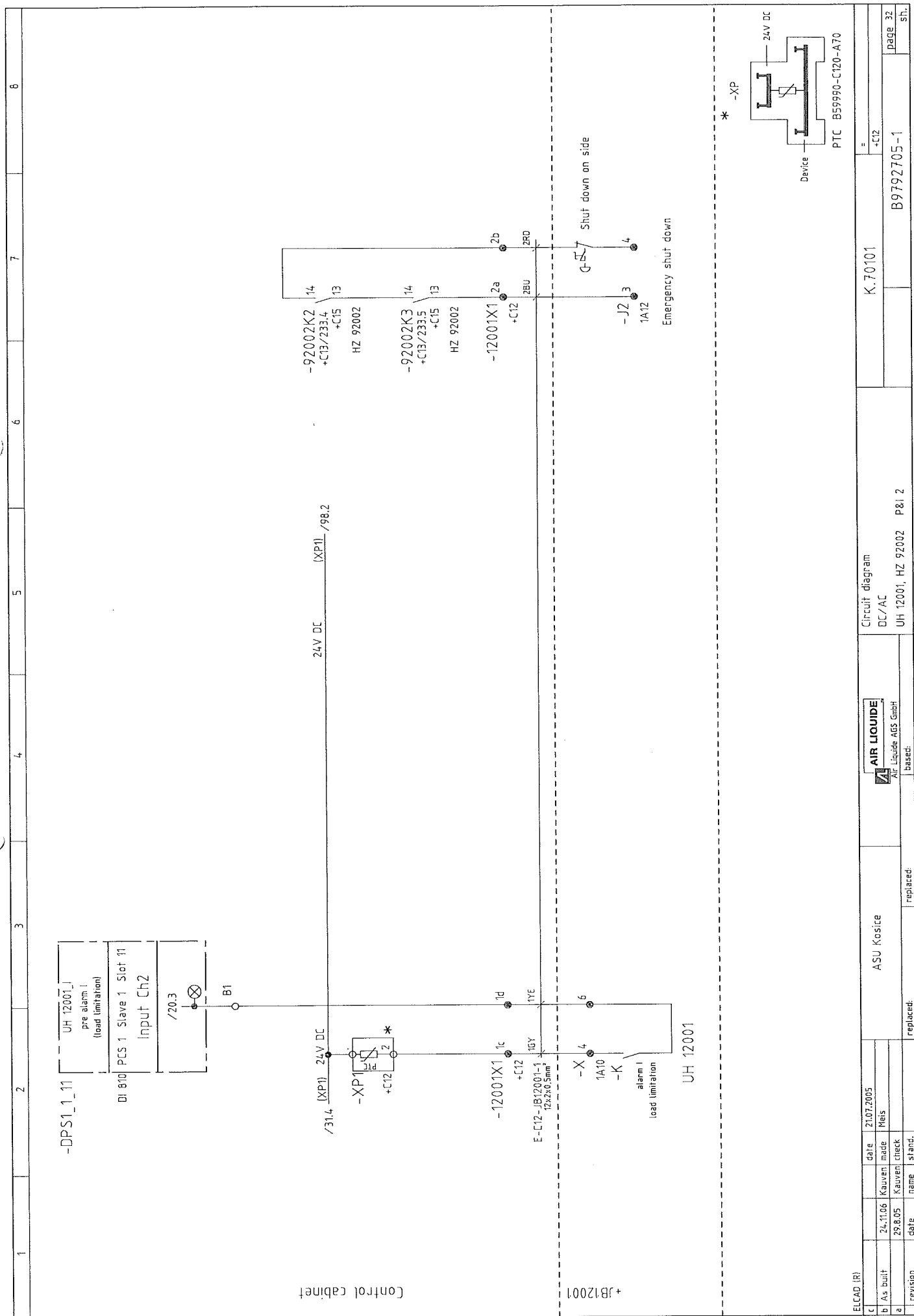
date

replaced

[illegible]

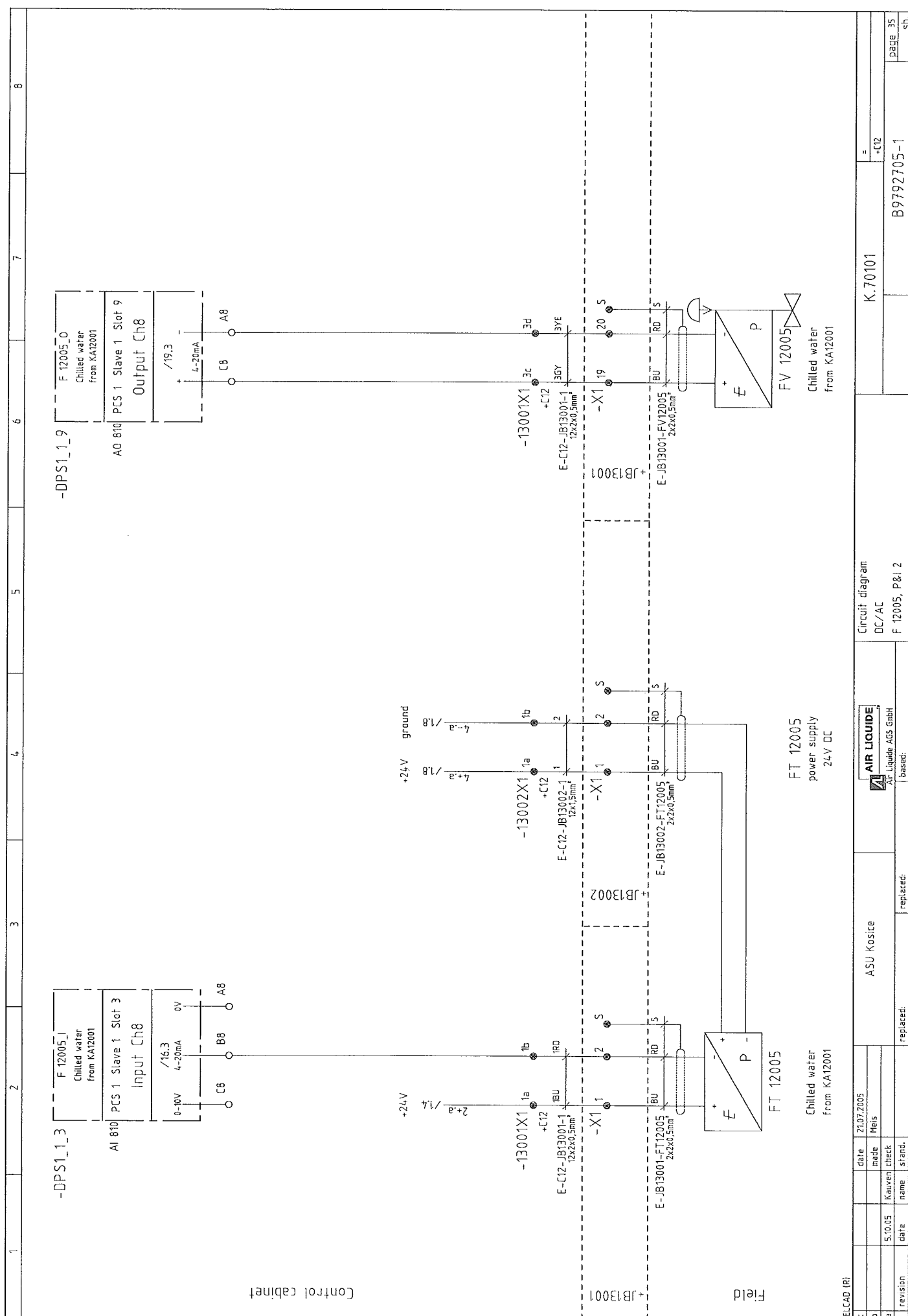
[illegible]





[illegible]

[illegible]



Control cabinet

-DPS1_1_9

L 13003_0
Level Cooling water
DC/AC

AO 810 PCS 1 Slave 1 Slot 9
Output Ch3

/19.3
4-20mA

C3 A3

-DPS1_1_3

L 13003_1
Level cooling water
DC/AC

AI 810 PCS 1 Slave 1 Slot 3
Input Ch3

/16.3
0-10V 4-20mA 0V

C3 B3 A3

Field

-13001X1

3a 3f 3BN

+C12

E-C12-JB13001-1
12x2x0.5mm

-X1 21 22 S

E-JB13001-LK13008
2x2x0.5mm

BU RD S

LK 13008

Level Cooling water
DC/AC

Control cabinet

+24V

2+B /14

1g 1h 1BK

1WH

7 8 S

E-JB13001-LT13003
2x2x0.5mm

BU RD S

LT 13003

Level cooling water
DC/AC

revision	date	name	check	date	name	replaced:	replaced:	ASU Kosice	AIR LIQUIDE	Circuit diagram	K.70101	=
5.10.05	5.10.05	Kauven	check	21.07.2005	Melis					DC/AC		-C12

L 13003/08, P&I 2

B9792705-1

page 36

sh

The diagram illustrates the wiring for a differential pressure transmitter (PDT 13004) installed in a field, connected to a control cabinet. The control cabinet contains a power supply (-DPS1_1_5) and a pressure input module (PCS 1 Slave 1 Slot 5). The field contains the PDT 13004 transmitter. The diagram shows the wiring for the power supply, pressure input, and output signal.

Control cabinet components:

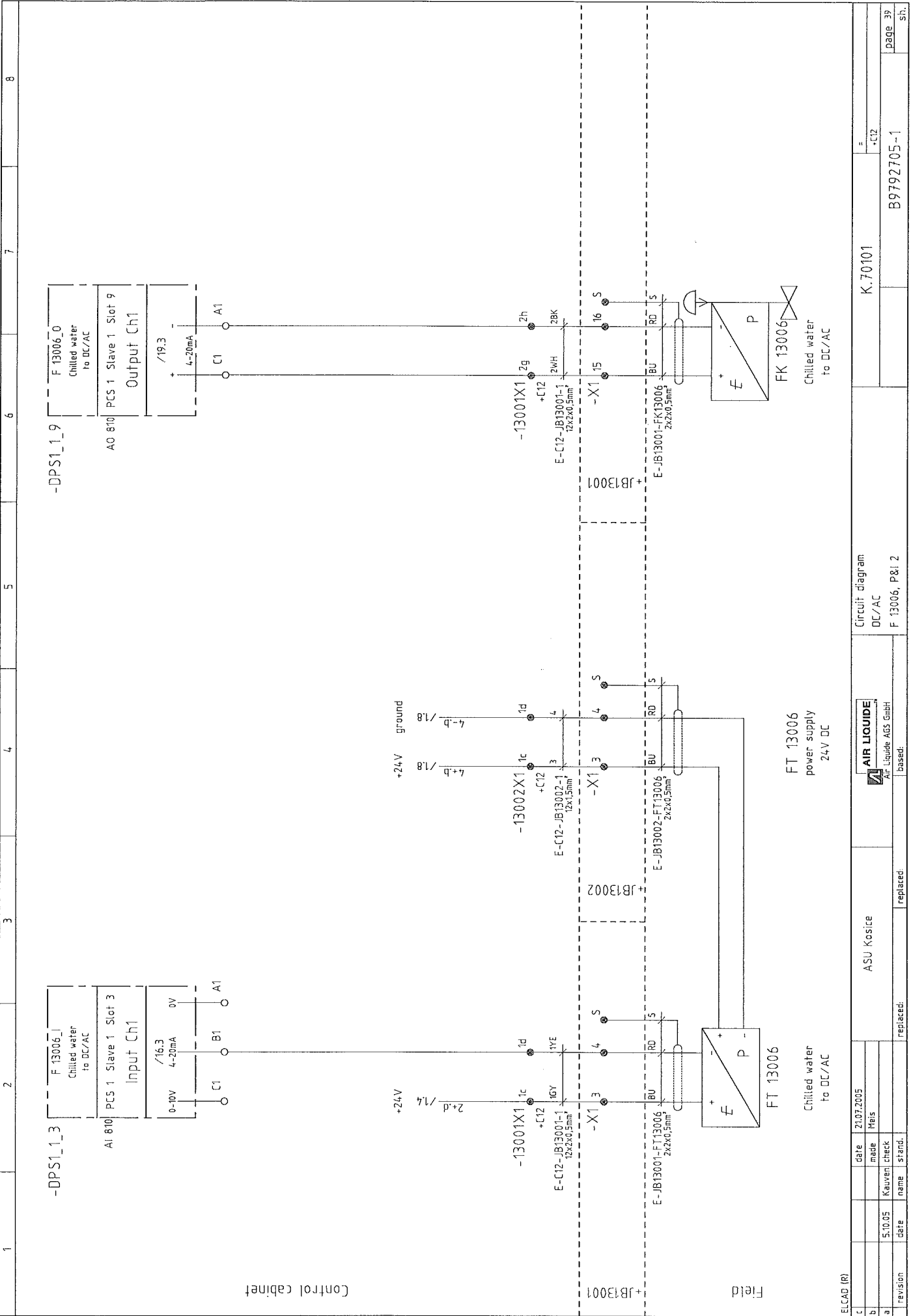
- DPS1_1_5:** Power supply module, providing +24V and 0V.
- AI 810:** Pressure input module, providing a 4-20mA signal.
- PCS 1 Slave 1 Slot 5:** Pressure input module, providing a 0-10V signal.

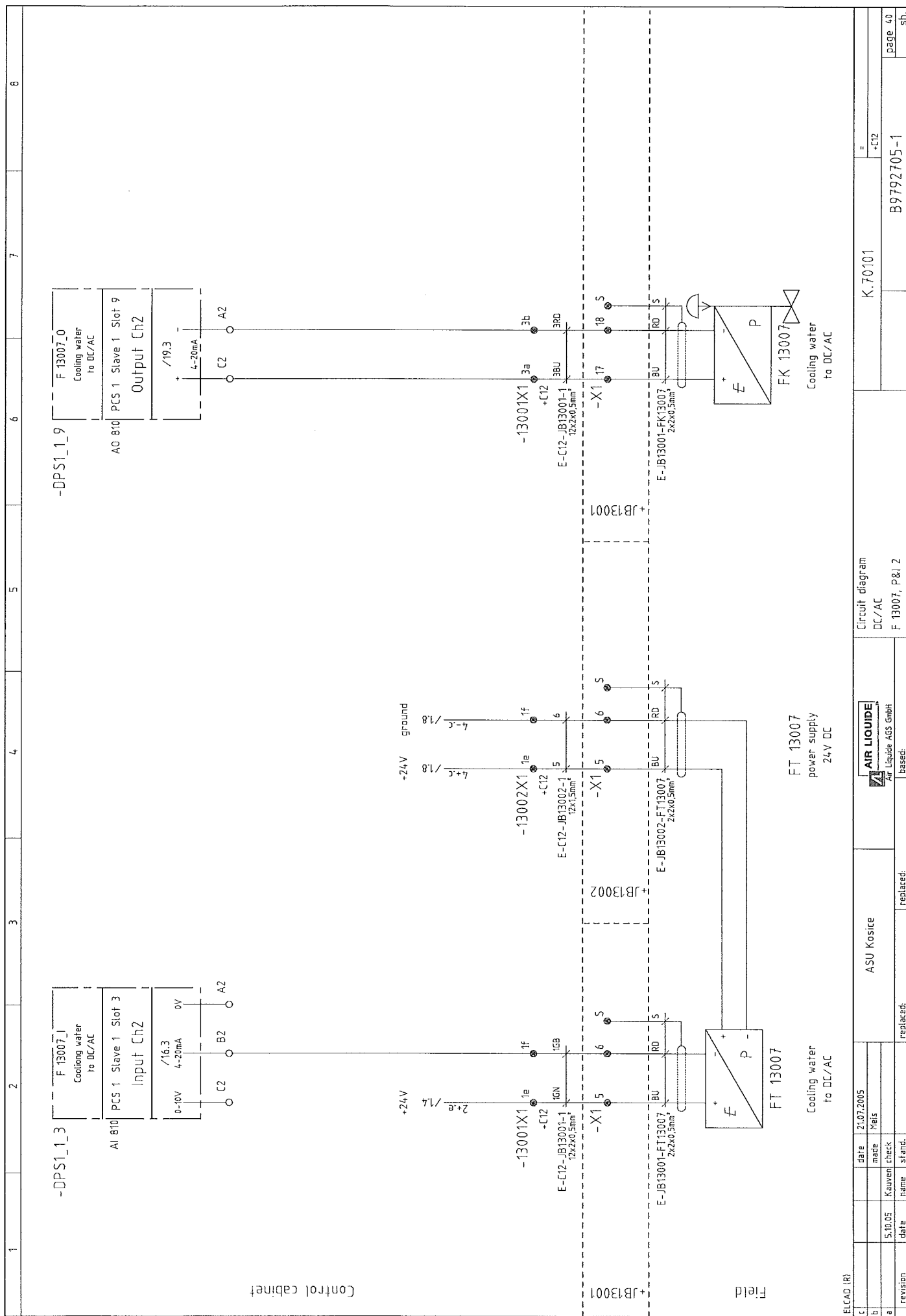
Field component:

- PDT 13004:** Differential pressure transmitter, providing a 4-20mA signal.

Wiring connections:

- Power supply:** +24V and 0V are connected to the transmitter's power terminals.
- Pressure input:** The 0-10V signal from the PCS 1 Slave 1 Slot 5 module is connected to the transmitter's pressure input terminal (P).
- Output signal:** The 4-20mA signal from the AI 810 module is connected to the transmitter's output terminals (I+, I-).





[illegible]

