SCHEIB ELEKTROTECHNIK GmbH
DÜSSELDORF

DECKBLATT
COVER SHEET

AUFTRAGS - NR. : 09/7927/05 - 14
ORDER NO.

STEUERUNGSART : Process control station PCS 03
TYPE OF CONTROL

KUNDE : Air Liquide AGS
CUSTOMER
ASU Kosice

Betriebsspannung : 230V AC
operating voltage

Steuerspannung : 230V AC / 24V DC
control voltage

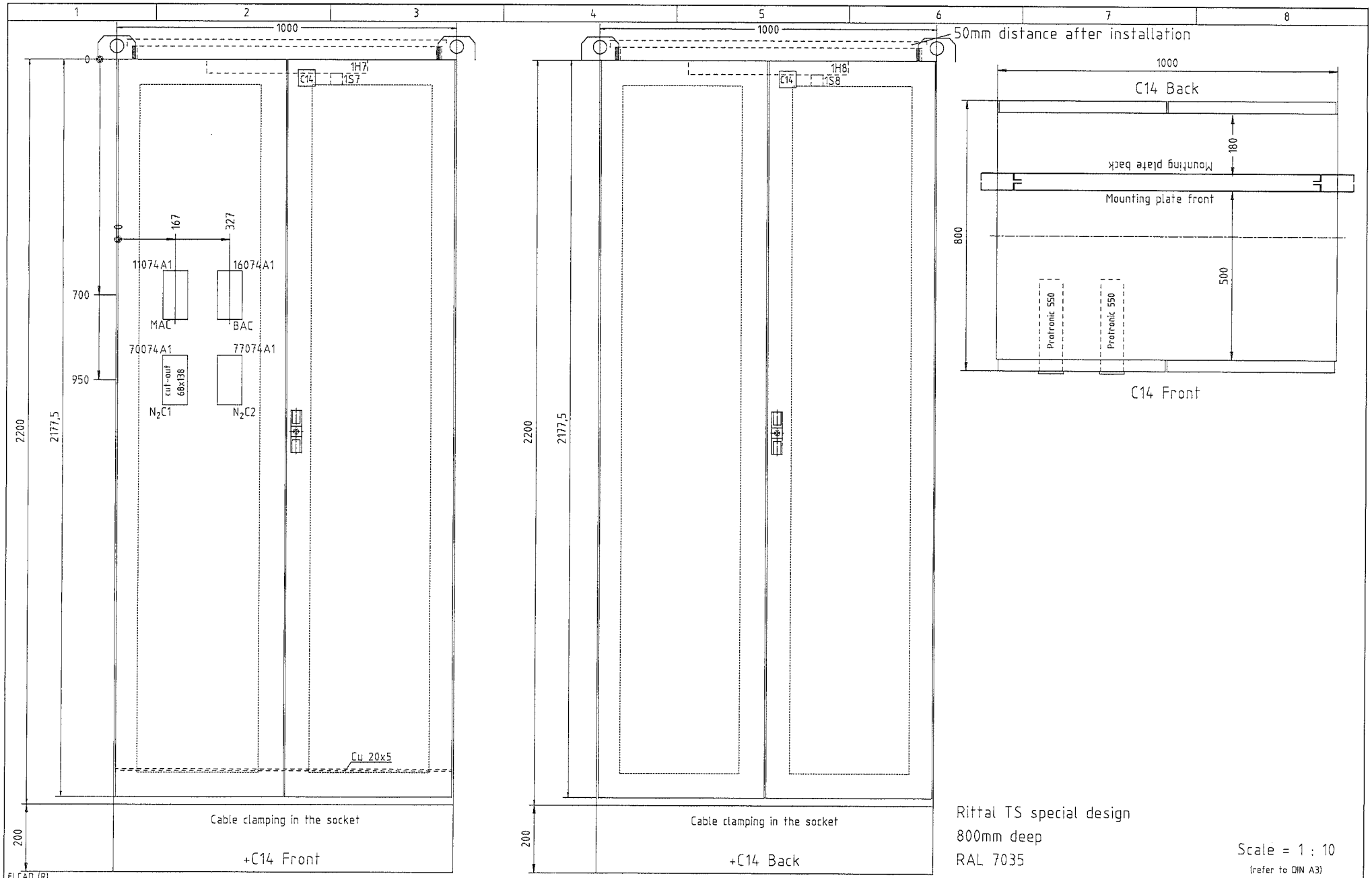
Signalspannung : 24V DC
signal voltage

Ventilspannung : 24V DC
valve voltage

Insgesamt 328 Blätter
total sheets

ELCAD (R)

c				date	21.07.2005	ASU Kosice	AIR LIQUIDE Air Liquide AGS GmbH	Cover sheet	K.70101	=	
b	As built	24.11.06	Kauven	made	Meis					+C14	
a		15.11.05	Kauven	check							
	revision	date	name	stand.		replaced:	replaced:	based:	D9792705-01	page 0 / 328 sh.	

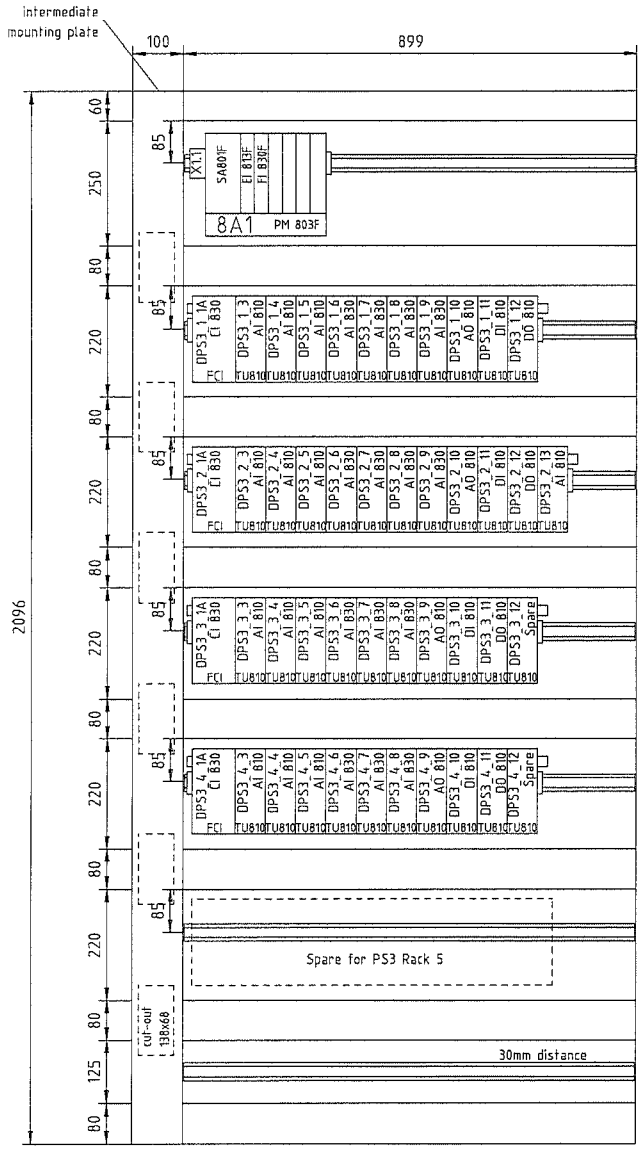


Rittal TS special design
800mm deep
RAL 7035

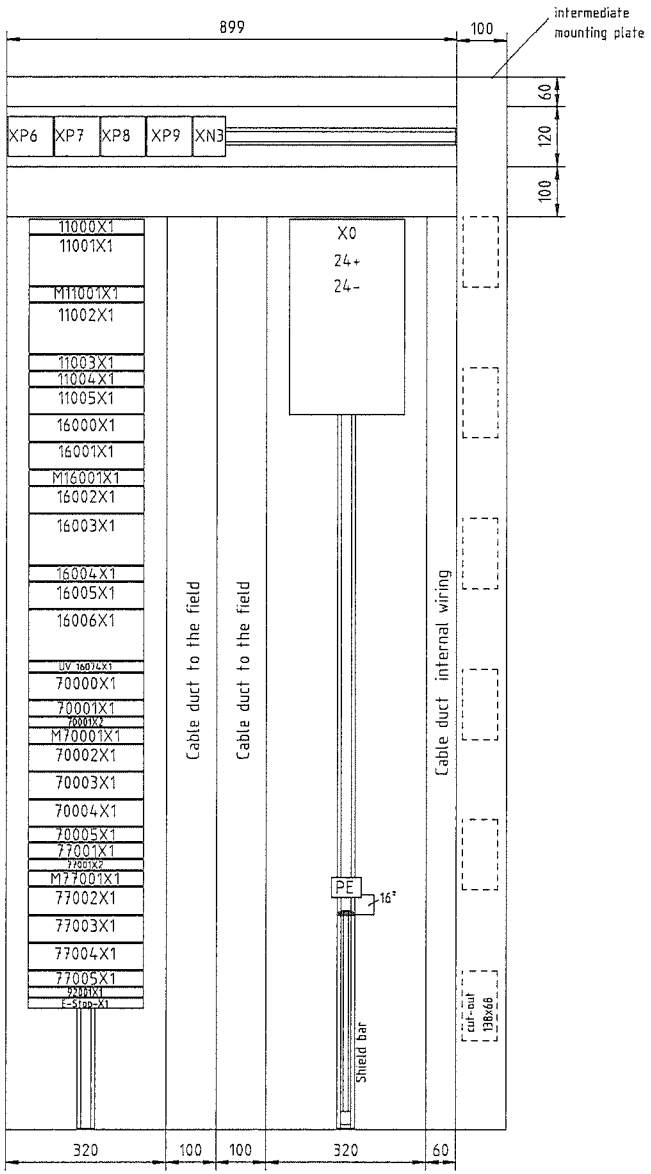
Scale = 1 : 10
(refer to DIN A3)

ELCAD (R)

c				date	21.07.2005	ASU Kosice	AIR LIQUIDE Air Liquide AGS GmbH	Assembly plan	K.70101	=
b				made	Meis					+C14
a		13.10.05	Kauven	check				Cabinet +C14 Front and Back	D9792705-01	page 1
	revision	date	name	stand.		replaced:	replaced: based:			sh.



Mounting plate C14 front



Mounting plate C14 back

Scale = 1 : 10
(referd to DIN A3)

ELCAD (R)

c				date	21.07.2005	ASU Kosice	AIR LIQUIDE Air Liquide AGS GmbH	Assembly plan Cabinet +C14 Front and Back Mounting plates	K.70101	= +C14
b	As built	24.11.06	Kauven	made	Meis					
a		13.10.05	Kauven	check					D9792705-01	page 2
	revision	date	name	stand.		replaced:	replaced:	based:		sh.

1	2	3	4	5	6	7	8

Terminal block ...X...

orange	End plate								X									
grey	a	b	c	d	e	f	g	h	1	h	g	f	e	d	c	b	a	Typ: 727-117
white	a	b	c	d	e	f	g	h	2	h	g	f	e	d	c	b	a	Typ: 727-129/002-000
grey	a	b	c	d	e	f	g	h	3	h	g	f	e	d	c	b	a	Typ: 727-131/002-000
etc.	a	b	c	d	e	f	g	h	4	h	g	f	e	d	c	b	a	Typ: 727-129/002-000
	a	b	c	d	e	f	g	h	5	h	g	f	e	d	c	b	a	etc.
	a	b	c	d	e	f	g	h	6	h	g	f	e	d	c	b	a	
	a	b	c	d	e	f	g	h	7	h	g	f	e	d	c	b	a	
	a	b	c	d	e	f	g	h	8	h	g	f	e	d	c	b	a	

etc.

Potential terminal X0

+ 24V DC / Masse

orange	End plate								X0									
orange	a	b	c	d	e	f	g	h	1+	h	g	f	e	d	c	b	a	Typ: 727-117
grey	a	b	c	d	e	f	g	h	1-	h	g	f	e	d	c	b	a	Typ: 727-135/002-000
orange	a	b	c	d	e	f	g	h	2+	h	g	f	e	d	c	b	a	Typ: 727-137/002-000
grey	a	b	c	d	e	f	g	h	2-	h	g	f	e	d	c	b	a	
orange	a	b	c	d	e	f	g	h	3+	h	g	f	e	d	c	b	a	
grey	a	b	c	d	e	f	g	h	3-	h	g	f	e	d	c	b	a	

etc.

internal wiring

to junction box

Leed 24V DC

internal wiring

ELCAD (R)

c				date	21.07.2005	ASU Kosice	AIR LIQUIDE Air Liquide AGS GmbH	Assembly plan	K.70101	=		
b				made	Meis					+C14		
a				check				Wago terminals				page 3
	revision	date	name	stand.		replaced:	replaced:	based:		D9792705-01		sh.

1	2	3	4	5	6	7	8
G 11010_I	P 11854_I	G 11074_I	T 11007_I	T 11027_I	T 11715_I	T 11743_I	
P 11007_I	PD 10000_I		T 11011_I	T 11031_I	T 11718_I	T 11745_I	U 11010_O
P 11016_I		L 11812_I	T 11012_I	T 11032_I	T 11721_I	T 11747_I	HIC 11074_O
P 11026_I	G 11742_I	P 11041_I	T 11016_I	T 11036_I	T 11730_I	T 11814_I	
P 11036_I	X 11740_I	F 11074_I	T 11017_I	T 11037_I	T 11733_I	T 11854_I	
	X 11743_I		T 11021_I	T 11041_I	T 11735_I		
P 11747_I	X 11745_I		T 11022_I	T 11701_I	T 11737_I		
P 11754_I	X 11747_I		T 11026_I	T 11703_I	T 11740_I		
DPS3_1_3	DPS3_1_4	DPS3_1_5	DPS3_1_6	DPS3_1_7	DPS3_1_8	DPS3_1_9	DPS3_1_10

GL 11010_I	US 11074_O
HA 92001_I	HS 92001_O
	HS 11074.1_O
LH 11080_I	HS 11074.2_O
LH 11081_I	
LH 11082_I	
PD 11812_I	
PD 11846_I	
YL 11074.2_I	
YL 11074.3_I	
YL 11074.1_I	
EA 11501_I	
EA 70501_I	
DPS3_1_11	DPS3_1_12

ELCAD (R)

c				date	21.07.2005	ASU Kosice	AIR LIQUIDE Air Liquide AGS GmbH	Assembly plan	K.70101	=	
b	As built	24.11.06	Kauven	made	Meis					+C14	
a		15.11.05	Kauven	check							
	revision	date	name	stand.		replaced:	replaced:	based:	Lables	D9792705-01	page 4 sh.

1	2	3	4	5	6	7	8
G 16010_I	P 16751_I	X 16736_I		T 16701_I	T 16735_I		H 16071_O
F 16073_I	P 16854_I	X 16737_I	T 16011_I	T 16703_I	T 16736_I		H 16073_O
	P 16855_I	X 16738_I	T 16015_I	T 16715_I	T 16738_I		P 16007_O
P 16015_I	P 16812_I	X 16739_I	T 16021_I	T 16718_I	T 16740_I		U 16010_O
P 16025_I	T 16812_I	X 16740_I	T 16025_I	T 16721_I	T 16743_I		HIC 16074_O
P 16035_I	T 16854_I	X 16741_I	T 16031_I	T 16730_I			
GI 16074_I	PD 16846_I	X 16743_I	T 16035_I	T 16733_I			
P 16073_I	G 16733_I	X 16744_I	T 16041_I	T 16734_I			
DPS3_2_3	DPS3_2_4	DPS3_2_5	DPS3_2_6	DPS3_2_7	DPS3_2_8	DPS3_2_9	DPS3_2_10

7	8
GL 16010_I	US 16047_O
GH 16010_I	
GL 16074_I	US 16071_O
GH 16074_I	HS 16074.1_O
	HS 16074.2_O
GH 16073_I	
GL 16073_I	L 16812_I
	P 16045_I
GH 16071_I	F 16007_I
GL 16071_I	
YL 16074.2_I	G 16073_I
YL 16074.3_I	
YL 16074.1_I	
DPS3_2_11	DPS3_2_12 DPS3_2_13

ELCAD (R)

c				date	21.07.2005	ASU Kosice	AIR LIQUIDE Air Liquide AGS GmbH	Assembly plan	K.70101	=
b	As built	24.11.06	Kauven	made	Meis					+C14
a		15.11.05	Kauven	check				Lables	D9792705-01	page 5
	revision	date	name	stand.		replaced:	replated: based:			sh.

1	2	3	4	5	6	7	8

DPS3_3_3	DPS3_3_4	DPS3_3_5	DPS3_3_6	DPS3_3_7	DPS3_3_8	DPS3_3_9	DPS3_3_10	DPS3_3_11
			T 70001_I	T 70718_I	T 70742_I	U 70074_O	GL 70010_I	HS 70001_O
G 70010_I	P 70854_I		T 70015_I	T 70721_I	T 70743_I	H 70035_O	GH 70074_I	HS 70035_O
P 70007_I	G 70738_I	G 70074_I	T 70025_I	T 70736_I		H 70036_O	PDH 70846_I	HS 70074_O
P 70015_I	G 70743_I	P 70035_I	T 70035_I	T 70737_I	T 70854_I	U 70010_O	T 70815_I	US 70074_O
P 70025_I	X 70736_I	PD 70020_I		T 70738_I			GH 70010_I	H 70001_1_O
P 70031_I	X 70738_I	P 70001_I	T 70701_I	T 70739_I			GL 70074_I	
	X 70740_I	P 77001_I	T 70703_I	T 70740_I			TH 70810_I	
	X 70742_I		T 70715_I	T 70741_I			LL 70813_I	
							P 70753_I	
							GH 70035_I	
							GL 70035_I	
							EA 70074_I	
							HA 70001_I	
							HA 40001_1_I	

ELCAD (R)

c				date	21.07.2005	ASU Kosice	AIR LIQUIDE Air Liquide AGS GmbH	Assembly plan	K.70101	=	
b	As built	24.11.06	Kauven	made	Meis					+C14	
a		15.11.05	Kauven	check				Lables	D9792705-01		page 6
	revision	date	name	stand.		replaced:	replaced: based:				sh.

1	2	3	4	5	6	7	8

DPS3_4_3	DPS3_4_4	DPS3_4_5	DPS3_4_6	DPS3_4_7	DPS3_4_8	DPS3_4_9	DPS3_4_10	DPS3_4_11
G 77010_I		G 77074_I	T 77001_I	T 77718_I	T 77742_I	H 77035_O	GL 77010_I	HS 77001_2_O
G 77738_I	P 77854_I		T 77015_I	T 77721_I	T 77743_I	H 77036_O	GH 77074_I	HS 77035_O
G 77743_I	X 77736_I		T 77025_I	T 77736_I		U 77010_O	PDH 77846_I	HS 77074_O
P 77007_I	X 77738_I	P 77035_I	T 77035_I	T 77737_I	T 77854_I	U 77074_O	TH 77815_I	US 77074_O
P 77015_I	X 77740_I	PD 77020_I		T 77738_I			GH 77010_I	HS 77001_1_O
P 77025_I	X 77742_I		T 77701_I	T 77739_I			GL 77074_I	
P 77031_I			T 77703_I	T 77740_I			TH 77810_I	
			T 77715_I	T 77741_I			LL 77813_I	
							PL 77753_I	
							GH 77035_I	
							GL 77035_I	
							EA 77074_I	
							HA 77001_I	
							EA 16073_I	
							HA 61000_I	
							HA 71000_I	

ELCAD (R)

c				date	21.07.2005	ASU Kosice	AIR LIQUIDE Air Liquide AGS GmbH	Assembly plan	K.70101	=	
b	As built	24.11.06	Kauven	made	Meis					+C14	
a		15.11.05	Kauven	check				Lables	D9792705-01		page 7
	revision	date	name	stand.		replaced:	replaced:	based:			sh.

Nr. No.	Stck. Qty.	Benennung Description	Hersteller Manufacturer	Kennzeichnung Mark	Type Type	Bemerkung Notes
1	1	Control cabinet HxBxD: 2200x1000x800mm	Rittal		TS 8012.009 special	RAL 7035
		Schaltschrank HxBxT: 2200x1000x800				
2	1	Socket element front-+backside 200mm	Rittal		TS 8602.000	
		Sockel-Elemente vorn+hinten 200mm				
3	1	Socket side-panel 200mm	Rittal		TS 8602.080	
		Sockel-Blenden seitlich 200mm				
4	1	Circuit diagram pocket	Rittal		PS 4115.000	
		Schaltplantasche				
5	4	distance device 50mm	Rittal		SZ/DK 7967.000	
		Distanzstücke 50mm				
6	2 VP	180° hinges, RAL 7035	Rittal		TS 8800.190	
		180°-Scharniere, RAL 7035				
7	2	Cabinet lighting 14W, with Limit sw., 230V AC	EVG	1H7, 1S7, 1H8, 1S8	80.14.SK	
		Schrankleuchte 14W mit Türendsch., 230V				
8	2	Lamp cover	EVG		80.AB.14	
		Leuchtenabdeckung				
9	2	Cable box	EVG		165463	
		Kabeldose				
10	1	Base Unit with CPU	ABB	8A1	PM 803F	Feed adjustment Fa. Air Liquide
		Grundgerät mit CPU				Beistellg. Fa. Air Liquide
	1	power supply	ABB		SA 802F	
	1	Ethernet Modul 10Base T	ABB		EI 813F	
	1	Feldbus Modul Profibus DP	ABB		FI 830F	
11	2	Regulator 230V AC	ABB	11074A1, 16074A1	Protronic 550	Feed adjustment Fa. Air Liquide
		Regler				
12	2	Regulator 24V DC	ABB	70074A1, 77074A1	Protronic 550	Feed adjustment Fa. Air Liquide
		Regler				
13						
14						
15						

c				date	21.07.2005	ASU Kosice	AIR LIQUIDE Air Liquide AGS GmbH	Parts list	K.70101	=	
b				made	Meis					+C14	
a		13.10.05	Kauven	check							page 1
	revision	date	name	stand.		replaced:	replaced: based:		D9792705-001		sh.

1	2	3	4	5	6	7	8

Nr. No.	Stck. Qty.	Benennung Description	Hersteller Manufacturer	Kennzeichnung Mark	Type Type	Bemerkung Notes
16		I/O System	ABB		S800	Accessory equipment Air Liquide
	4	Profibus Communications Interface	ABB	DPS3_1_1A, DPS3_2_1A, DPS3_3_1A, DPS3_4_1A	CI830	Beistellg. Fa. Air Liquide
	13	Analog Input modul 1x8 ch., 0(4)-20mA, 0-10V	ABB	DPS3_1_3, DPS3_1_4, DPS3_1_5, DPS3_2_3,	AI810	
				DPS3_2_4, DPS3_2_5, DPS3_2_13, DPS3_3_3,		
				DPS3_3_4, DPS3_3_5, DPS3_4_3, DPS3_4_4		
				DPS3_4_5		
	14	Analog Input modul 1x8 ch., Pt100	ABB	DPS3_1_6, DPS3_1_7, DPS3_1_8, DPS3_1_9,	AI830	
				DPS3_2_6, DPS3_2_7, DPS3_2_8, DPS3_2_9,		
				DPS3_3_6, DPS3_3_7, DPS3_3_8, DPS3_4_6,		
				DPS3_4_7, DPS3_4_8		
	4	Analog Output modul 1x8 ch., 0(4)-20mA, 14 bit	ABB	DPS3_1_10, DPS3_2_10, DPS3_3_9, DPS3_4_9	AO810	
	4	Digital Input modul 24V DC, 2x8 ch.	ABB	DPS3_1_11, DPS3_2_11, DPS3_3_10, DPS3_4_10	DI810	
	4	Digital Output modul 24V DC, 2x8 ch., 0,5A	ABB	DPS3_1_12, DPS3_2_12, DPS3_3_11, DPS3_4_11	DO810	
	41	Compact Module Termination unit	ABB		TU810V1	
17		Terminals	Weidmüller	X...	WDU, WDU BL, WPE	
		Klemmen				
18	6	Initiator terminal	Phönix	XN2	EIK1-SVN-24P	Art.-Nr. 2940799
		Initiator-Klemme				
19	48	PTC - Terminal	Bürklin	XP3, XP4, XP5	PTC B59990-C120-A70	
		PTC - Klemme	Weidmüller		Klemme: WDK 2,5	
20		8-stages cross-connection terminal	Wago	X...	727-129/002-000	a-h/h-a grey
		8-Etagen Rangierklemmen a-h/h-a grau				
21		8-stages cross-connection terminal	Wago	X...	727-131/002-000	a-h/h-a white
		8-Etagen Rangierklemmen a-h/h-a weiß				
22		8-stages potential terminal	Wago	X...	727-135/002-000	a-h/h-a orange
		8-Etagen Potentialklemmen a-h/h-a orange				
23		8-stages potential terminal	Wago	X...	727-137/002-000	a-h/h-a grey
		8-Etagen Potentialklemmen a-h/h-a grau				
24		Cover plate orange	Wago		727-117	
		Abschlußplatte orange				

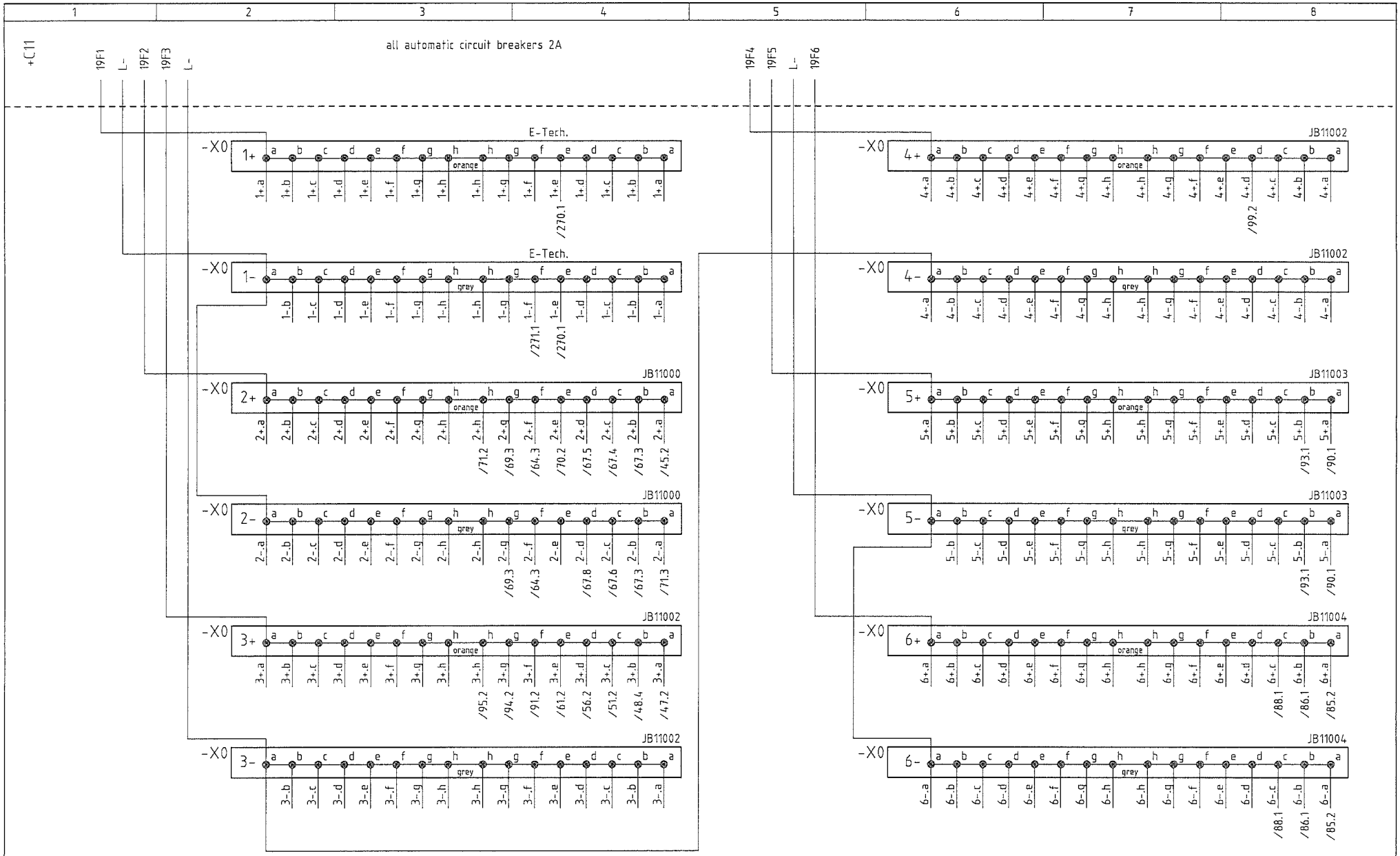
c				date	13.10.2005	ASU Kosice	AIR LIQUIDE Air Liquide AGS GmbH	Parts list
b				made	Damm-Kauven			
a				check				
	revision	date	name	stand.		replaced:	replaced:	based:

K.70101

=
+C14

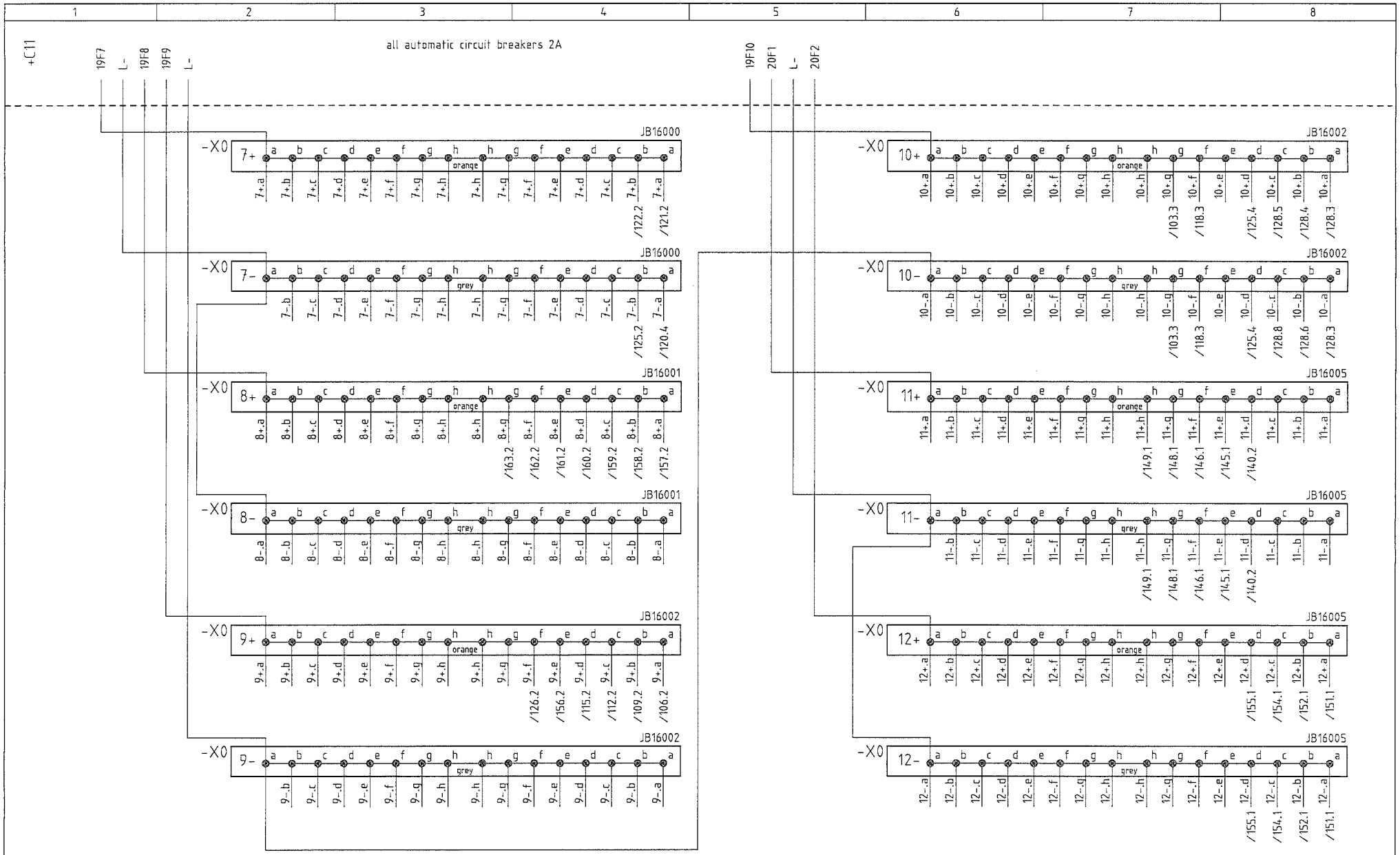
D9792705-001

page 2
sh.



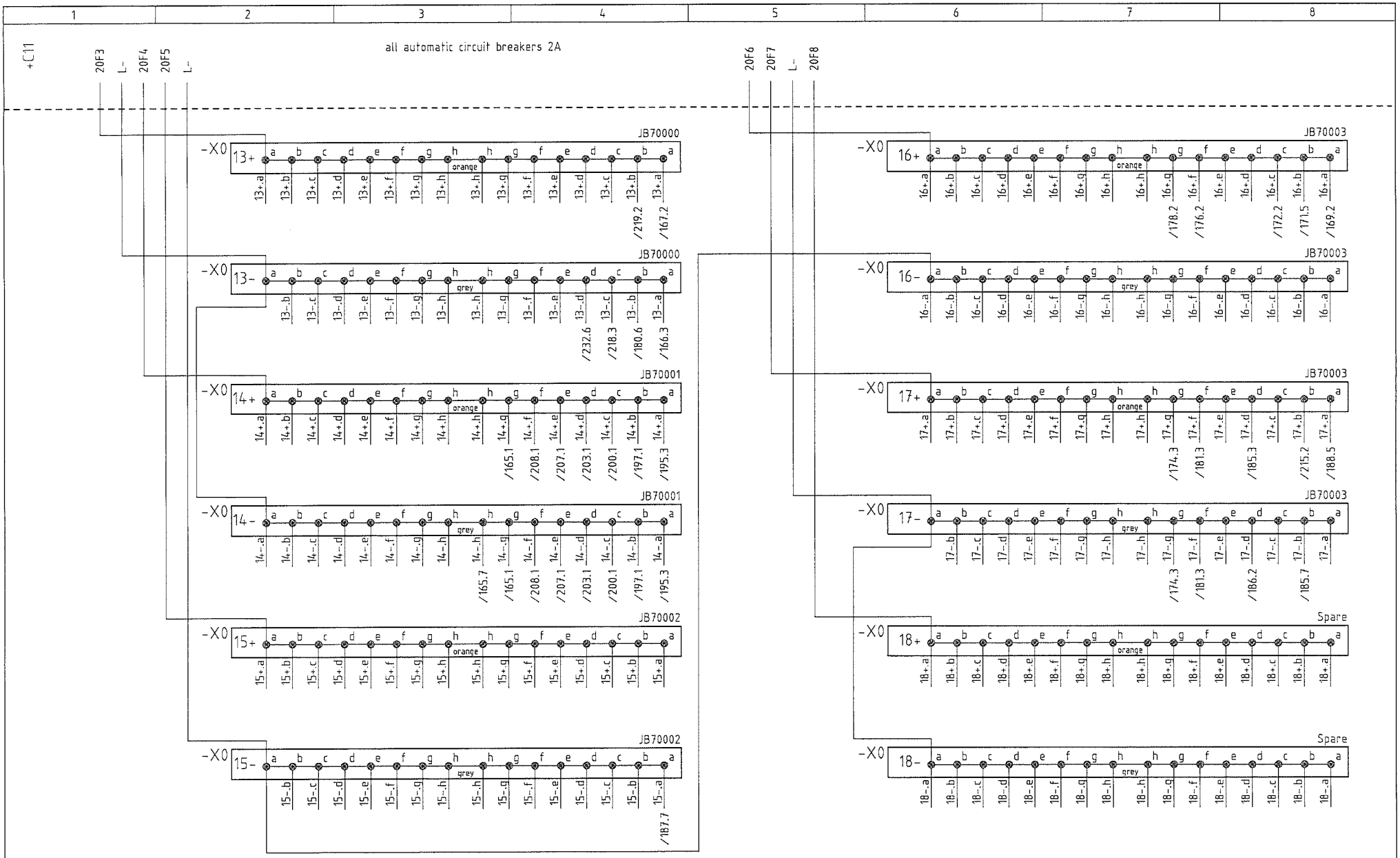
ELCAD (R)

c				date	21.07.2005	ASU Kosice	AIR LIQUIDE Air Liquide AGS GmbH	Circuit diagram	K.70101	=	
b	As built	24.11.06	Kauven	made	Meis					+C14	
a		15.11.05	Kauven	check				Control voltage 24V DC	D9792705-1		page 1
	revision	date	name	stand.		replaced:	replaced: based:				sh.



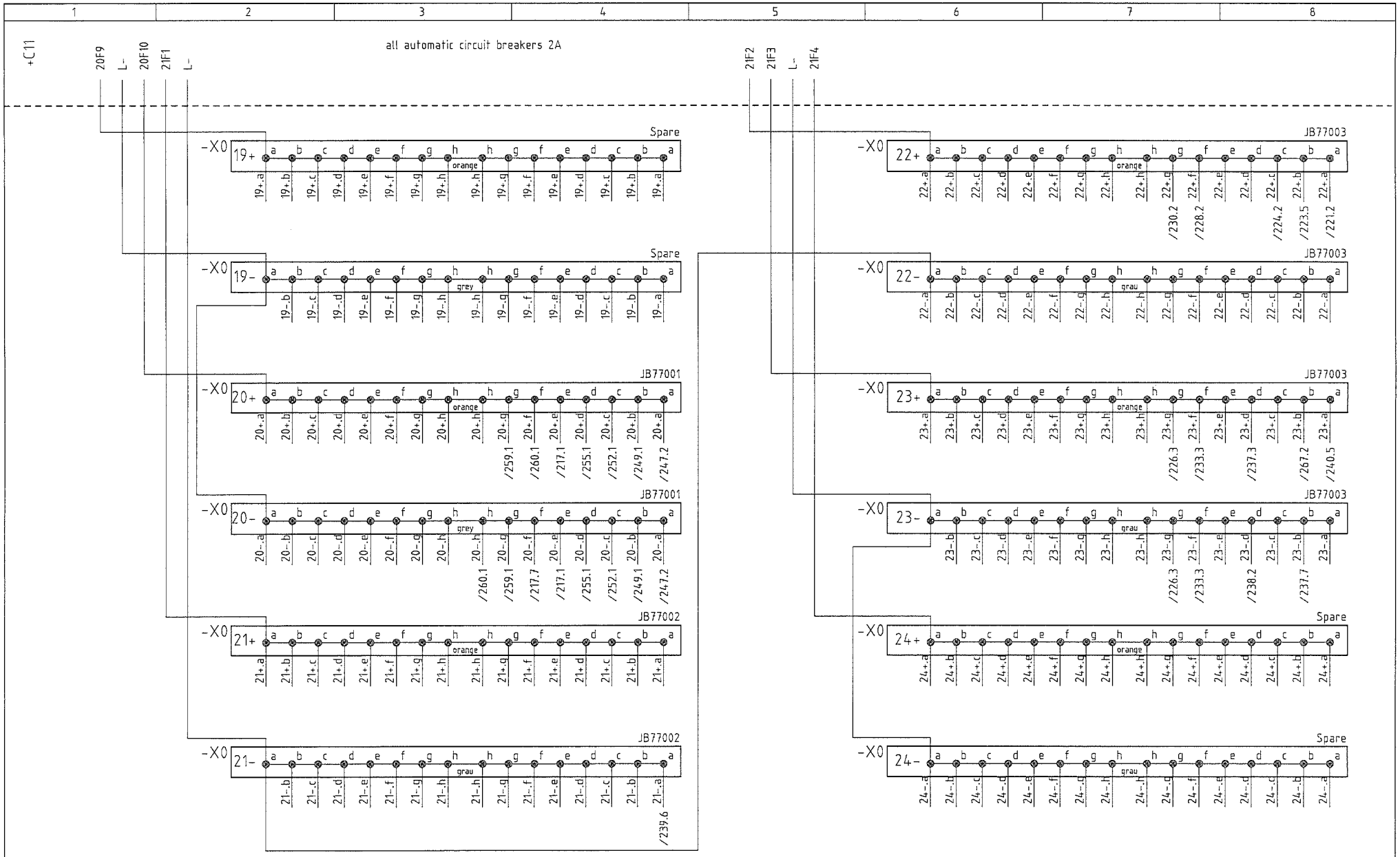
ELCAD (R)

c				date	21.07.2005	ASU Kosice	AIR LIQUIDE Air Liquide AGS GmbH	Circuit diagram	K.70101	=	
b				made	Meis					+C14	
a		15.11.05	Kauven	check				Control voltage 24V DC			page 2
	revision	date	name	stand.		replaced:	replaced:	based:	D9792705-1		sh.



ELCAD (R)

c				date	21.07.2005	ASU Kosice	AIR LIQUIDE Air Liquide AGS GmbH	Circuit diagram	K.70101	=
b				made	Meis					+C14
a		15.11.05	Kauven	check				Control voltage 24V DC	D9792705-1	page 3
	revision	date	name	stand.		replaced:	replaced: based:			sh.



ELCAD (R)

c				date	21.07.2005	ASU Kosice	AIR LIQUIDE Air Liquide AGS GmbH	Circuit diagram	K.70101	=	
b				made	Meis					+C14	
a		15.11.05	Kauven	check				Control voltage 24V DC			page 4
	revision	date	name	stand.		replaced:	replaced: based:		D9792705-1		sh.

1	2	3	4	5	6	7	8

ELCAD (R)

c				date	21.07.2005	ASU Kosice	AIR LIQUIDE Air Liquide AGS GmbH	Circuit diagram	K.70101	=		
b				made	Meis					+C14		
a				check				Spare			D9792705-1	page 5
	revision	date	name	stand.		replaced:	replaced:	based:				sh.

1	2	3	4	5	6	7	8

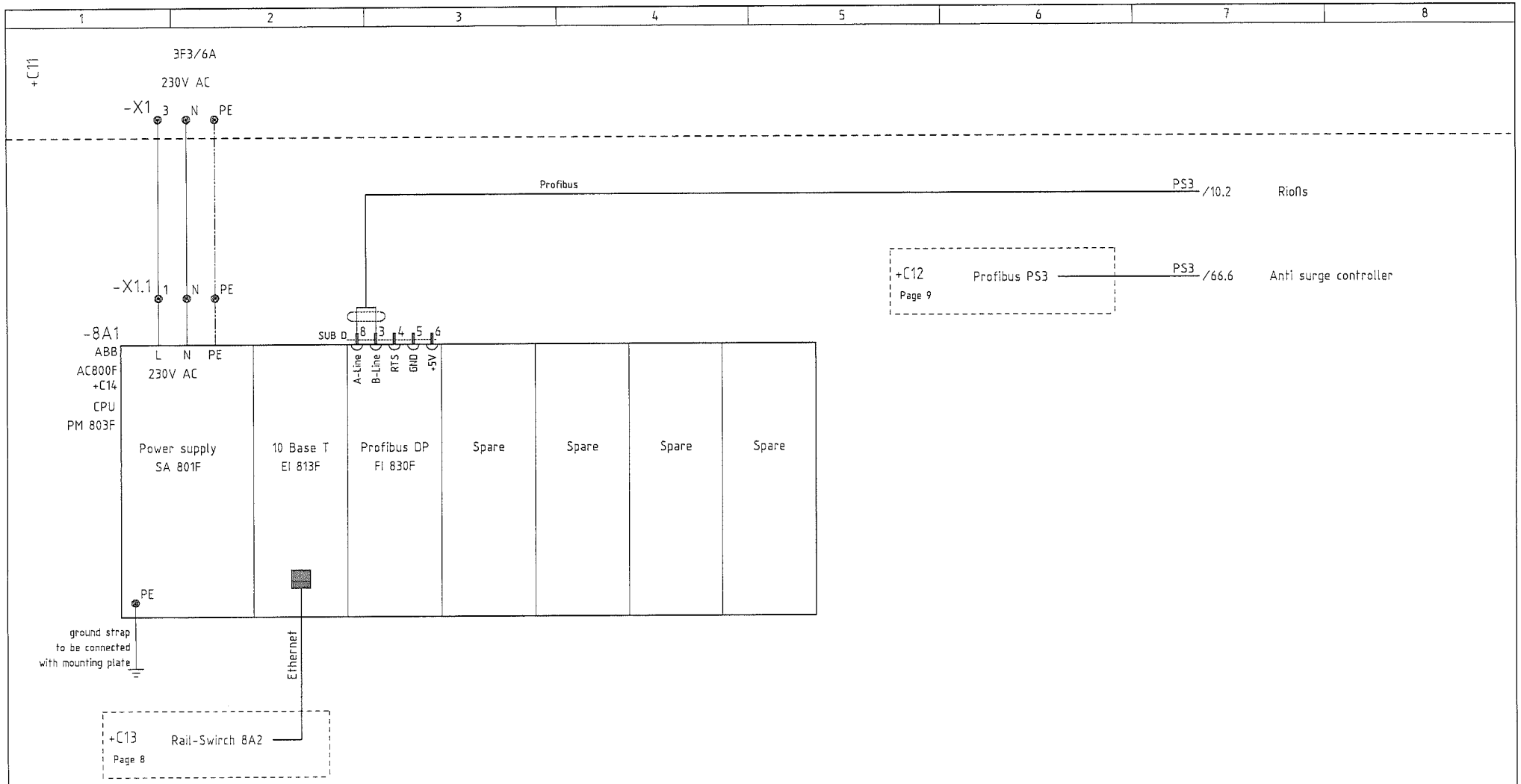
ELCAD (R)

c				date	21.07.2005	ASU Kosice	AIR LIQUIDE Air Liquide AGS GmbH	Circuit diagram	K.70101	=		
b				made	Meis					+C14		
a				check				Spare			D9792705-1	page 6
	revision	date	name	stand.		replaced:	replated:	based:				sh.

1	2	3	4	5	6	7	8

ELCAD (R)

c				date	21.07.2005	ASU Kosice	AIR LIQUIDE Air Liquide AGS GmbH	Circuit diagram	K.70101	=	
b				made	Meis					+C14	
a				check				Spare			page 7
	revision	date	name	stand.		replaced:	replaced: based:		D9792705-1		sh.



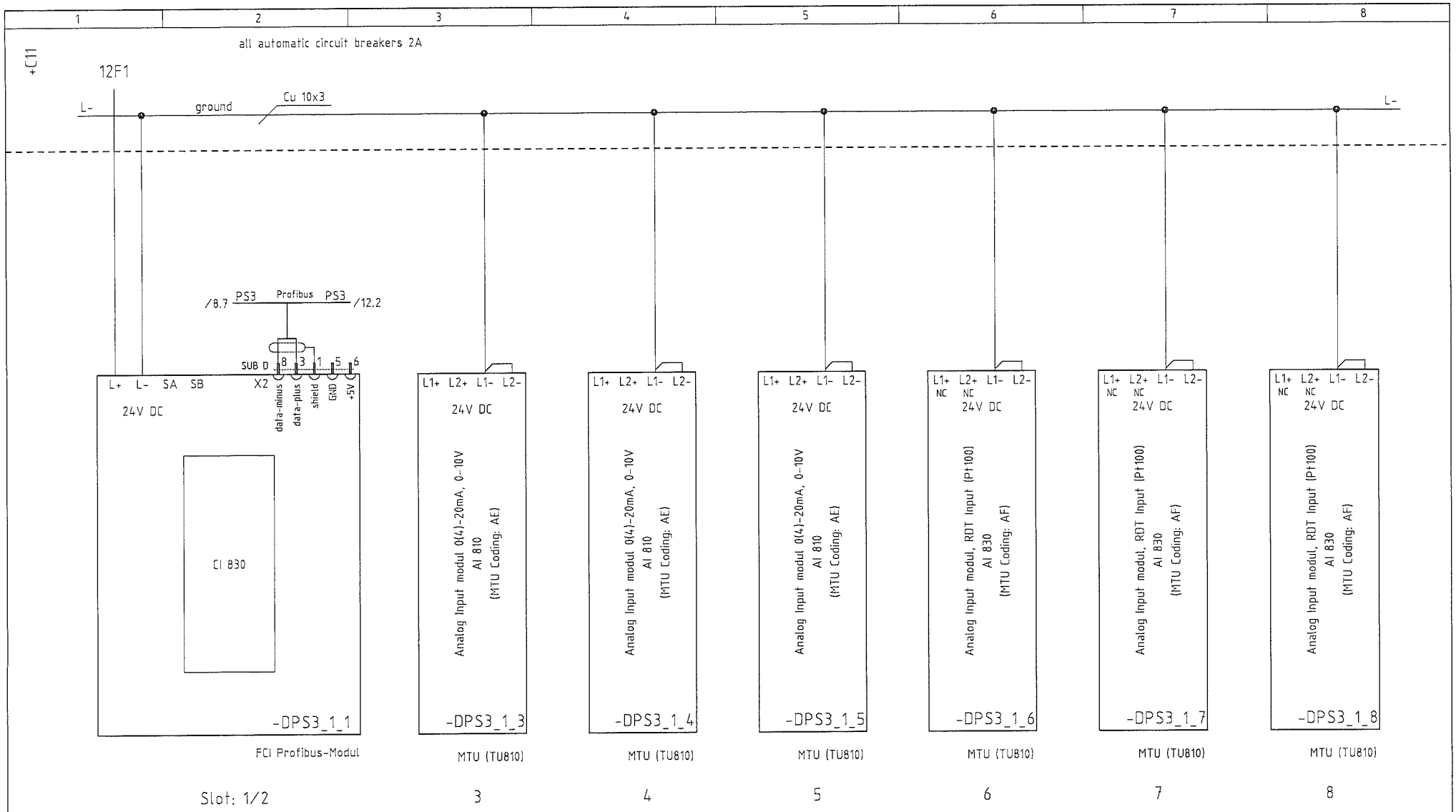
ELCAD (R)

c				date	21.07.2005	ASU Kosice	AIR LIQUIDE Air Liquide AGS GmbH	Circuit diagram	K.70101	= +C14
b				made	Meis					
a		15.11.05	Kauven	check				CPU 1, PS 03	D9792705-1	page 8 sh.
	revision	date	name	stand.		replaced:	replaced: based:			

1	2	3	4	5	6	7	8

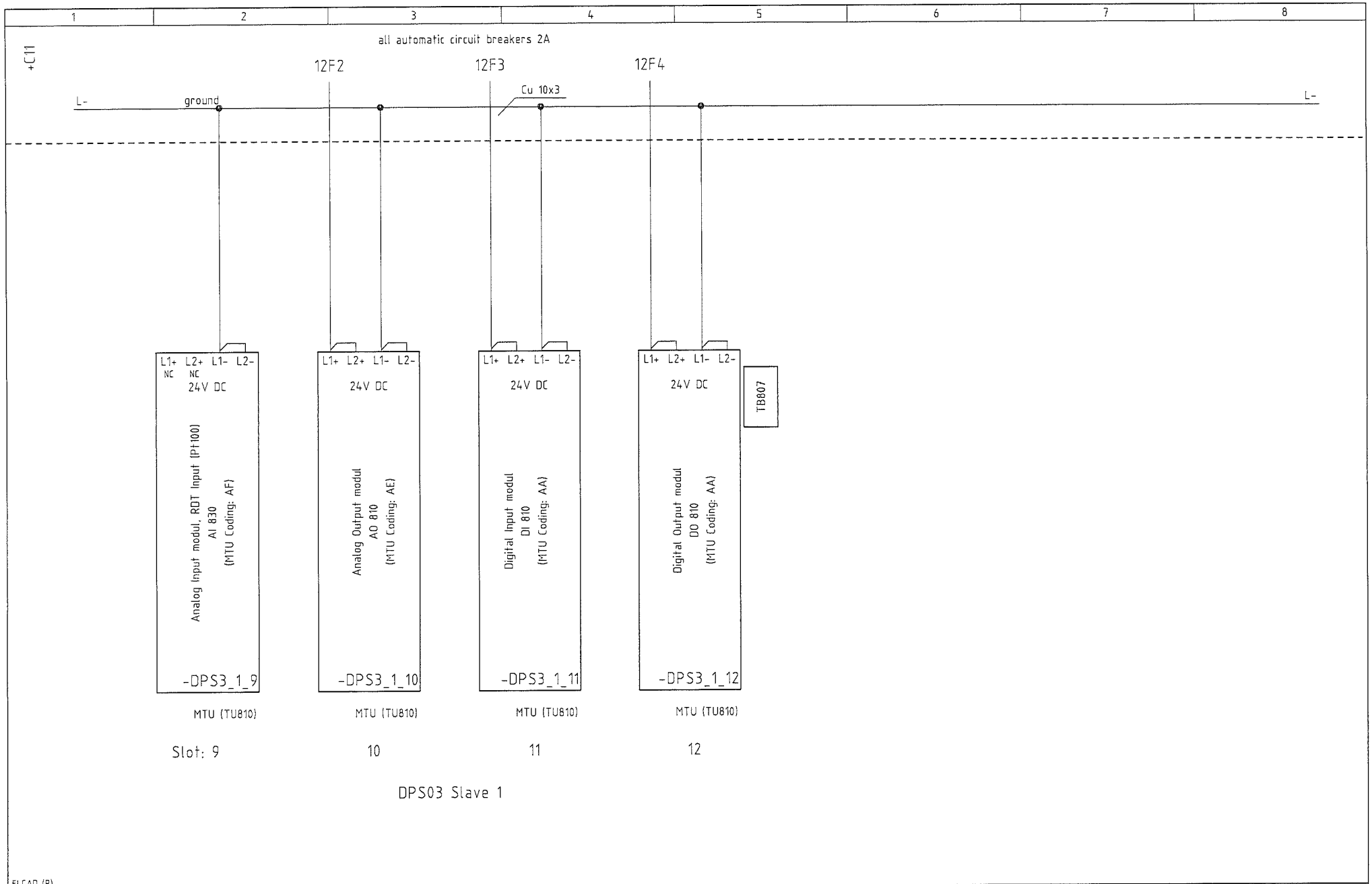
ELCAD (R)

c				date	21.07.2005	ASU Kosice	AIR LIQUIDE Air Liquide AGS GmbH	Circuit diagram	K.70101	=	
b				made	Meis					+C14	
a				check				Spare			page 9
	revision	date	name	stand.		replaced:	replaced: based:		D9792705-1		sh.



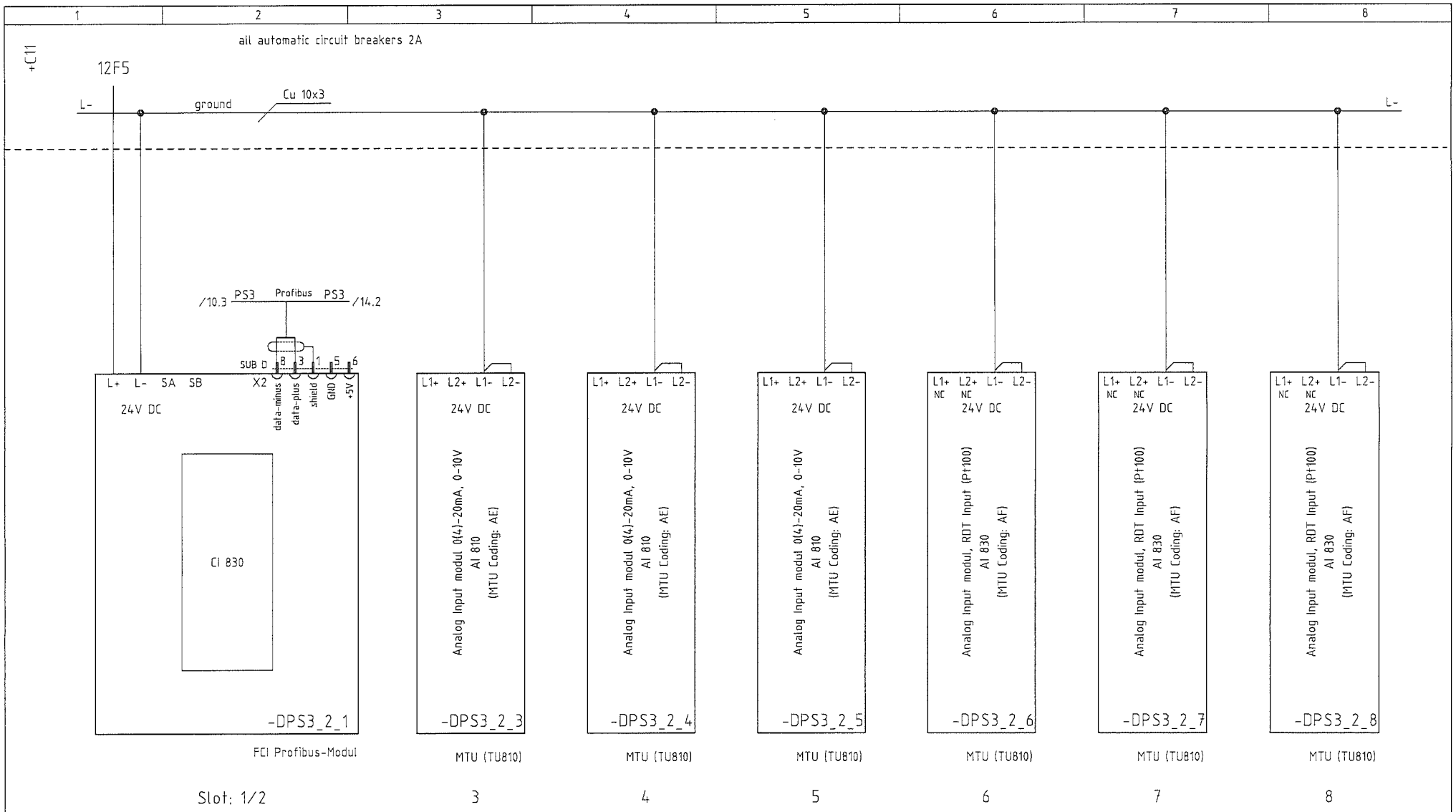
ELCAD (R)

c				date	21.07.2005	ASU Kosice	AIR LIQUIDE Air Liquide AGS GmbH	Circuit diagram	K.70101	=
b				made	Meis					+C14
a		15.11.05	Kauven	check				DPS 03, Slave 1	D9792705-1	page 10
	revision	date	name	stand.		replaced:	replaced: based:			sh.



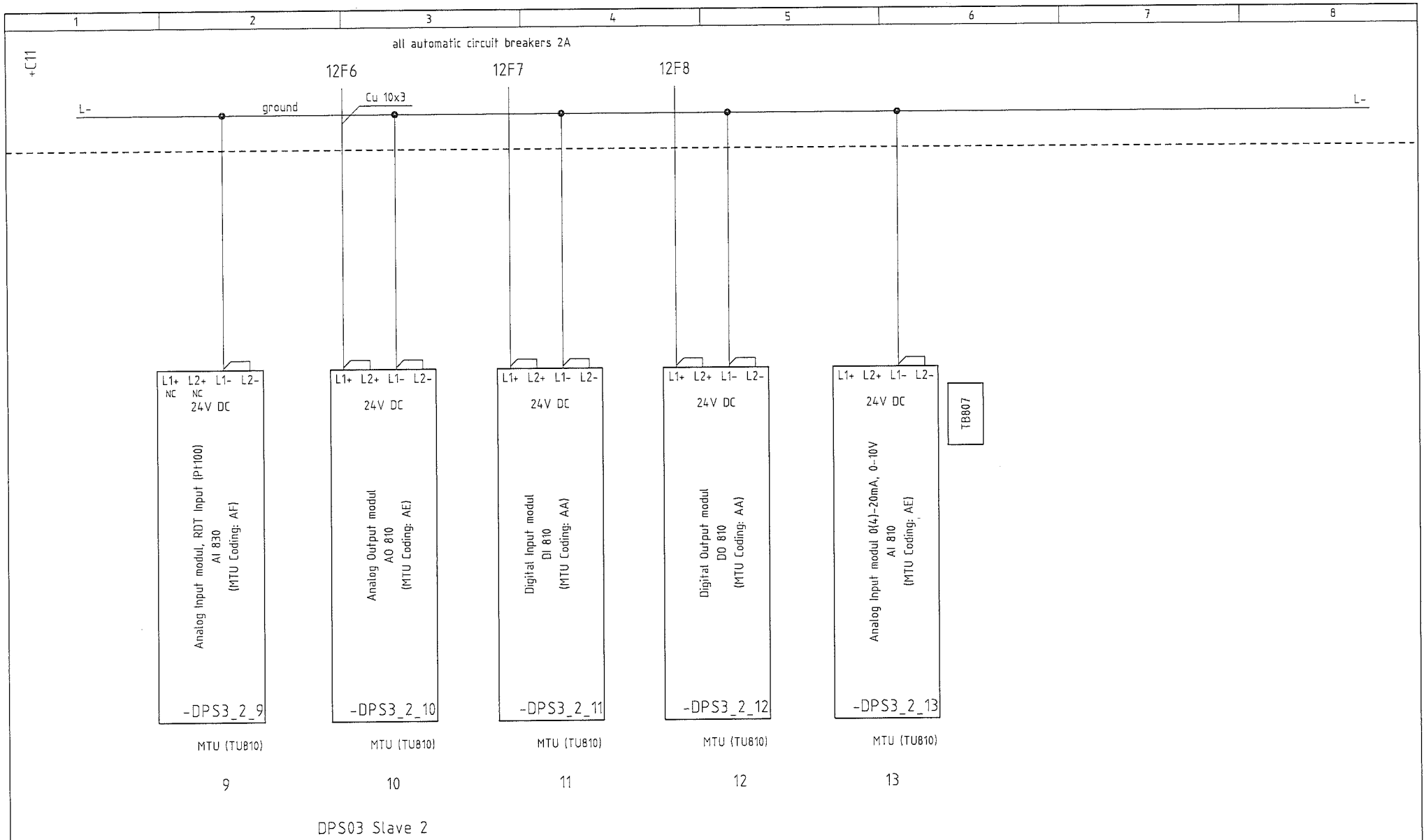
ELCAD (R)

c				date	21.07.2005	ASU Kosice	AIR LIQUIDE Air Liquide AGS GmbH	Circuit diagram	K.70101	=
b				made	Meis					+C14
a		30.8.05	Kauven	check				DPS 03, Slave 1	D9792705-1	page 11
	revision	date	name	stand.		replaced:	replaced: based:			sh.



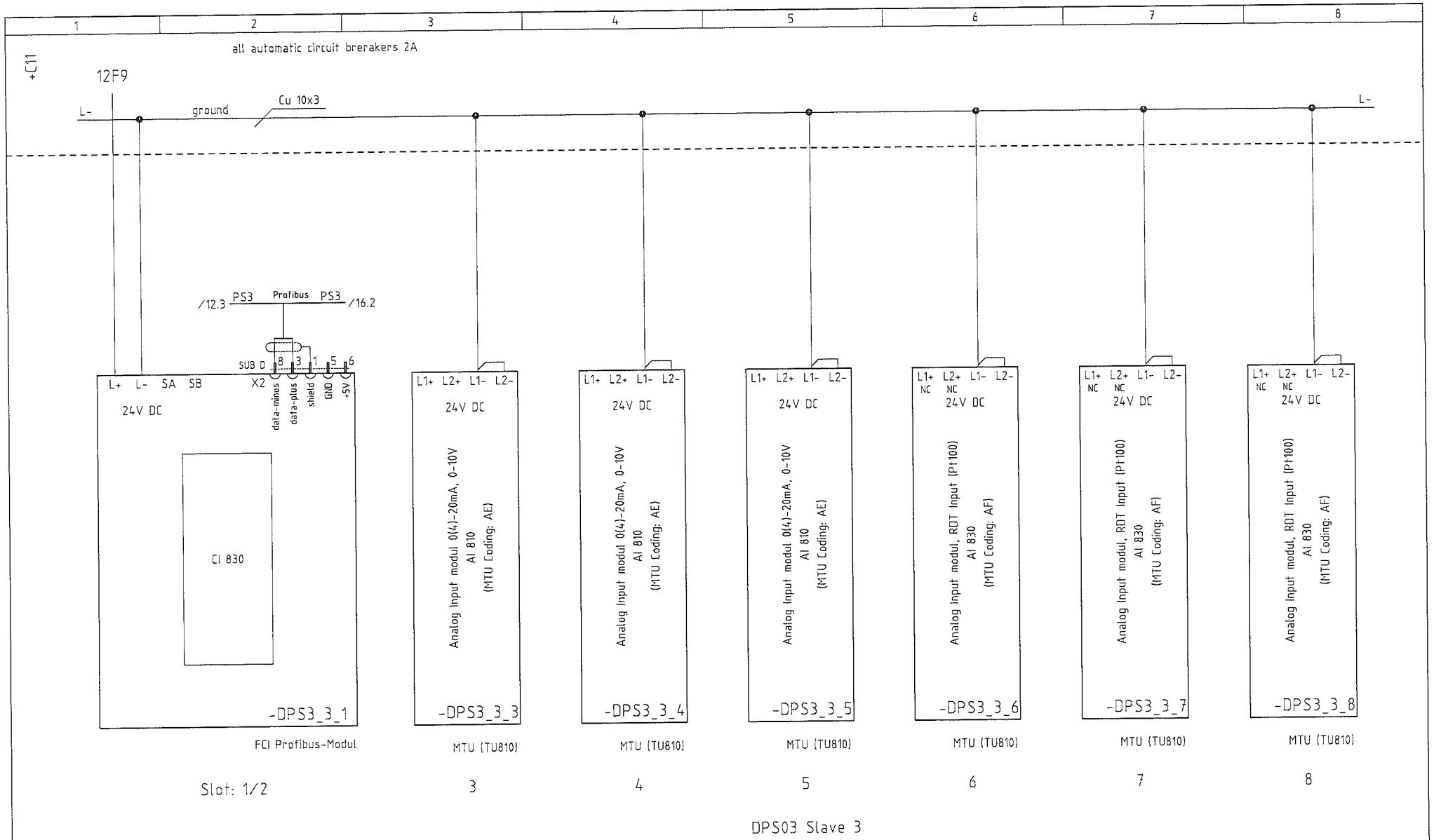
ELCAD (R)

c				date	21.07.2005	ASU Kosice	AIR LIQUIDE Air Liquide AGS GmbH	Circuit diagram	K.70101	=
b				made	Meis					+C14
a		15.11.05	Kauven	check				DPS 03, Slave 2	D9792705-1	page 12
	revision	date	name	stand.		replaced:	replaced: based:			sh.



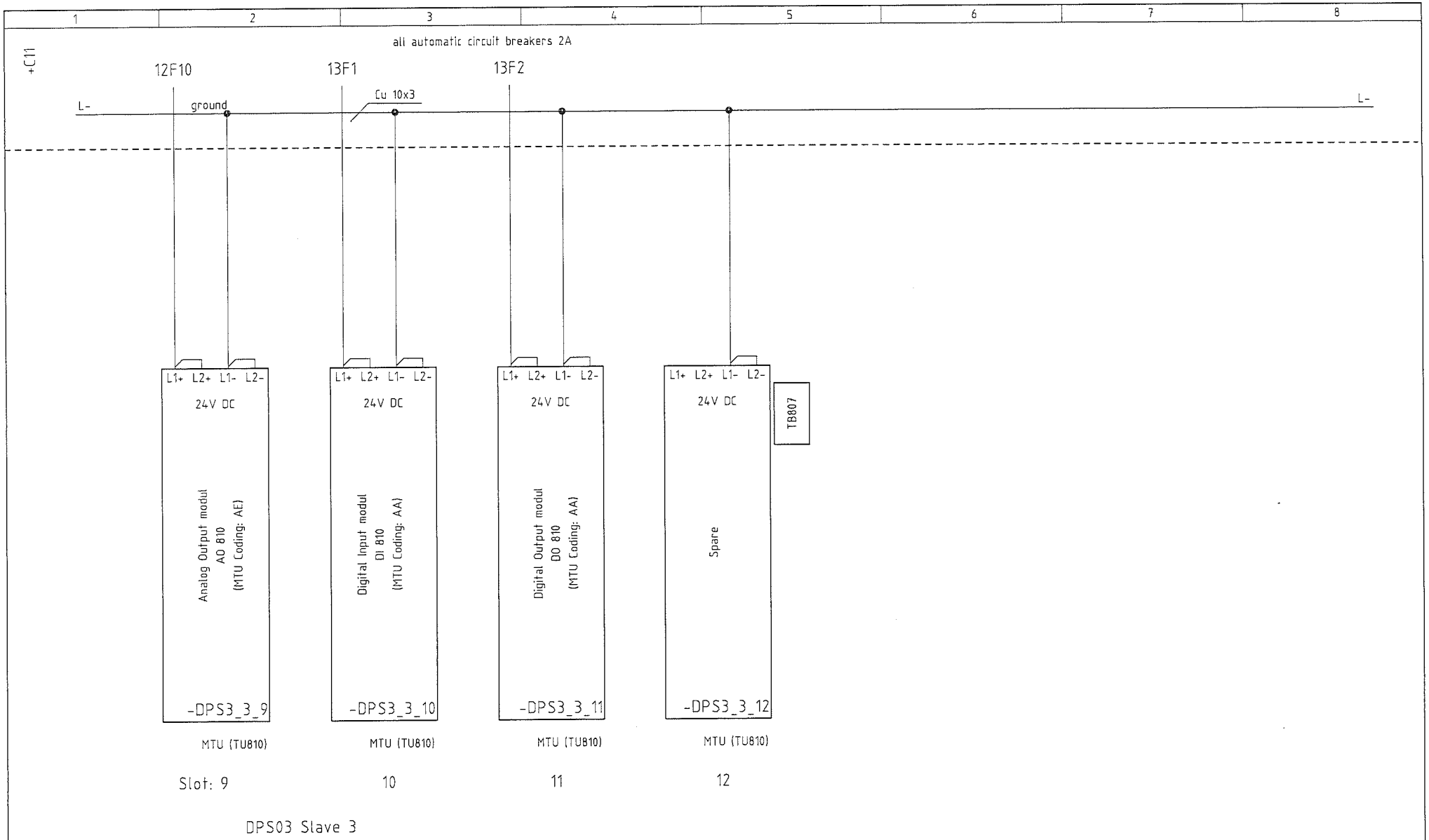
ELCAD (R)

c				date	21.07.2005	ASU Kosice	AIR LIQUIDE Air Liquide AGS GmbH	Circuit diagram	K.70101	=
b				made	Meis					+C14
a		30.8.05	Kauven	check				DPS 03, Slave 2	D9792705-1	page 13
	revision	date	name	stand.		replaced:	replaced: based:			sh.



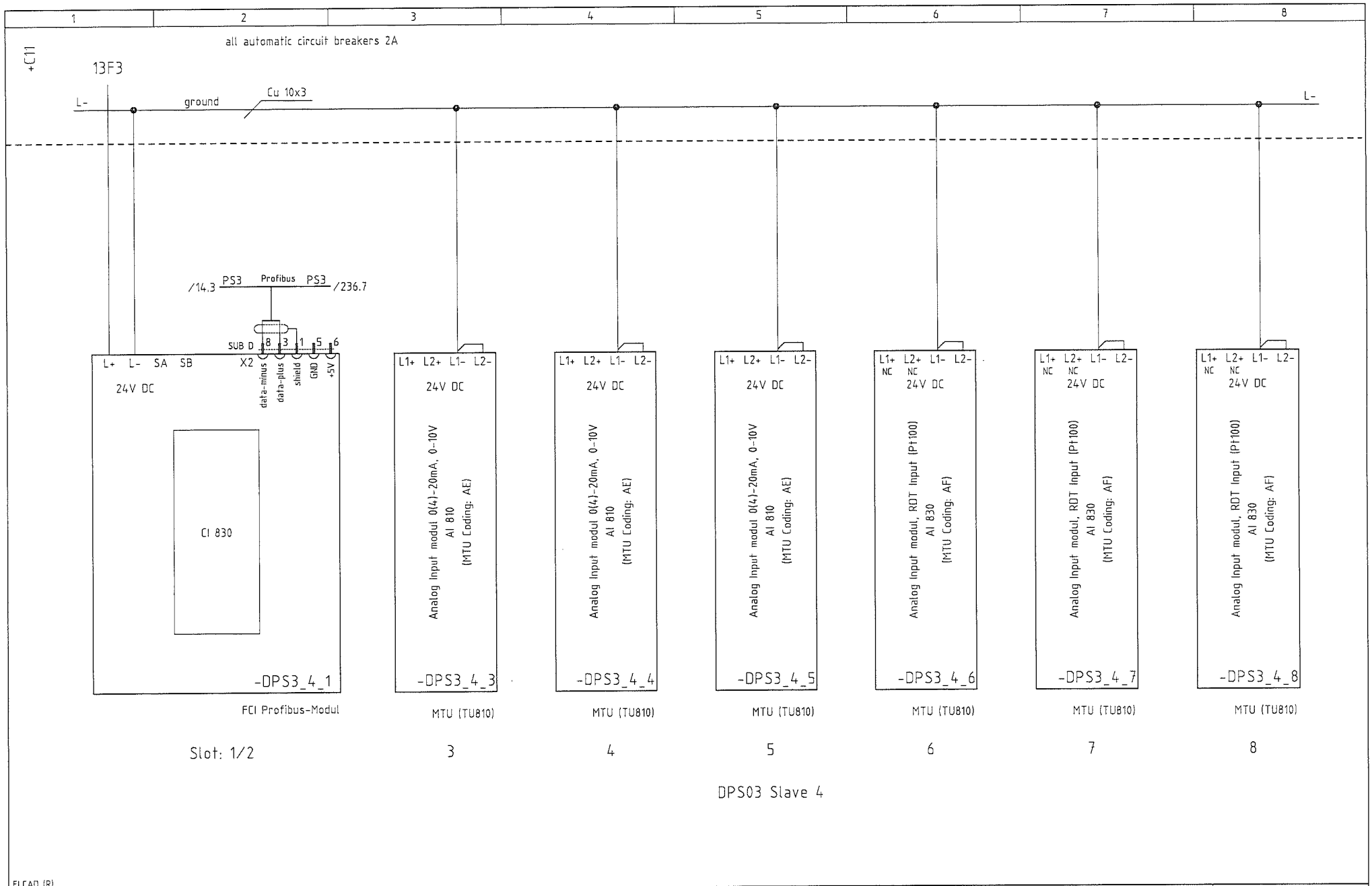
ELCAD (R)

c				date	21.07.2005	ASU Kosice	AIR LIQUIDE Air Liquide AGS GmbH	Circuit diagram	K.70101	=
b				made	Meis					+C14
a		15.11.05	Kauven	check				DPS 03, Slave 3	D9792705-1	page 14
	revision	date	name	stand.		replaced:	replaced: based:			sh.



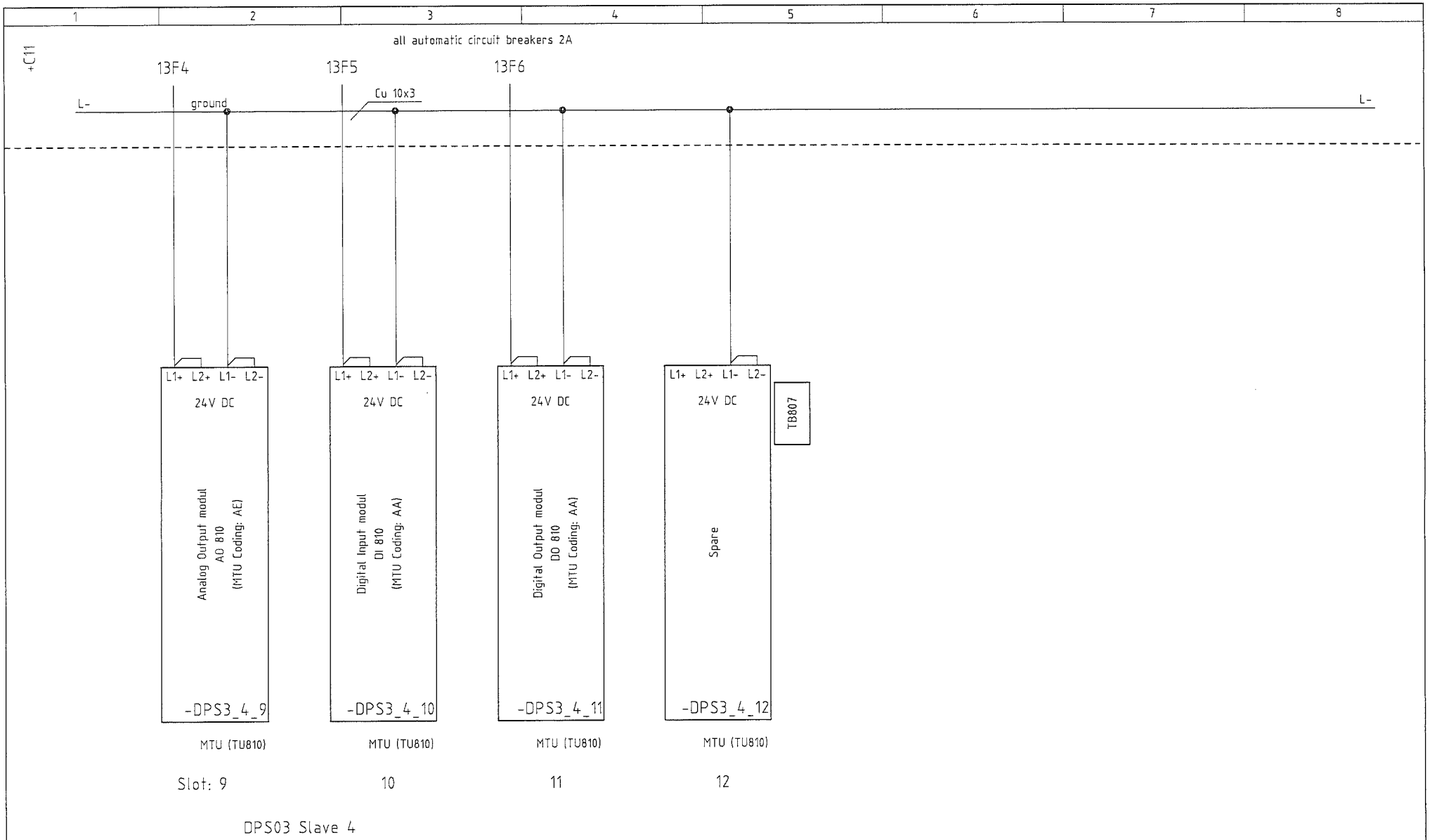
ELCAD (R)

c				date	21.07.2005	ASU Kosice	AIR LIQUIDE Air Liquide AGS GmbH	Circuit diagram	K.70101	=
b				made	Meis					+C14
a		30.8.05	Kauven	check				DPS 03, Slave 3	D9792705-1	page 15
	revision	date	name	stand.		replaced:	replaced based:			sh.



ELCAD (R)

c				date	21.07.2005	ASU Kosice	AIR LIQUIDE Air Liquide AGS GmbH	Circuit diagram	K.70101	=
b				made	Meis					+C14
a		15.11.05	Kauven	check				DPS 03, Slave 4	D9792705-1	page 16
	revision	date	name	stand.		replaced:	replaced: based:			sh.



ELCAD (R)

c				date	21.07.2005	ASU Kosice	AIR LIQUIDE Air Liquide AGS GmbH	Circuit diagram	K.70101	=
b				made	Meis					+C14
a		30.8.05	Kauven	check				DPS 03, Slave 4	D9792705-1	page 17
	revision	date	name	stand.		replaced:	replaced: based:			sh.

1	2	3	4	5	6	7	8

-DPS3_1_3

PCS 3
Slave 1
Slot 3
Analog Input
0(4)-20mA, 0-10V

Input Ch1	C1	/48.4	G 11010_I
	B1		
	A1		
Input Ch2	C2	/47.2	P 11007_I
	B2		
	A2		
L1+	+24V		
L1-	0V		
Input Ch3	C3	/51.2	P 11016_I
	B3		
	A3		
Input Ch4	C4	/56.2	P 11026_I
	B4		
	A4		
Input Ch5	C5	/61.2	P 11036_I
	B5		
	A5		
Input Ch6	C6	100Ω	
	B6		
	A6		
Input Ch7	C7	/91.2	P 11747_I
	B7		
	A7		
Input Ch8	C8	/94.2	P 11754_I
	B8		
	A8		
L2+	+24V		
L2-	0V		
ABB	AI 810		

-DPS3_1_4

PCS 3
Slave 1
Slot 4
Analog Input
0(4)-20mA, 0-10V

Input Ch1	C1	/99.2	P 11854_I
	B1		
	A1		
Input Ch2	C2	/45.2	PD 10000_I
	B2		
	A2		
L1+	+24V		
L1-	0V		
Input Ch3	C3	100Ω	
	B3		
	A3		
Input Ch4	C4	/86.2	G 11742_I
	B4		
	A4		
Input Ch5	C5	/85.3	X 11740_I
	B5		
	A5		
Input Ch6	C6	/88.2	X 11743_I
	B6		
	A6		
Input Ch7	C7	/90.2	X 11745_I
	B7		
	A7		
Input Ch8	C8	/93.2	X 11747_I
	B8		
	A8		
L2+	+24V		
L2-	0V		
ABB	AI 810		

1	2	3	4	5	6	7	8

-DPS3_1_5

PCS 3
Slave 1
Slot 5
Analog Input
0(4)-20mA, 0-10V

Input Ch1	C1	/70.2	G 11074_I
	B1		
	A1		
Input Ch2	C2	100Ω	
	B2		
	A2		
L1+	+24V		
L1-	0V		
Input Ch3	C3	/95.2	L 11812_I
	B3		
	A3		
Input Ch4	C4	/64.4	P 11041_I
	B4		
	A4		
Input Ch5	C5	/69.4	F 11074_I
	B5		
	A5		
Input Ch6	C6	100Ω	
	B6		
	A6		
Input Ch7	C7	100Ω	
	B7		
	A7		
Input Ch8	C8	100Ω	
	B8		
	A8		
L2+	+24V		
L2-	0V		

ABB AI 810

-DPS3_1_6

PCS 3
Slave 1
Slot 6
Analog Input
RDT (Pt100)

Input Ch1	C1	/46.2	T 11007_I
	B1		
	A1		
Input Ch2	C2	/49.2	T 11011_I
	B2		
	A2		
L1+	NC		
L1-	0V		
Input Ch3	C3	/50.2	T 11012_I
	B3		
	A3		
Input Ch4	C4	/52.2	T 11016_I
	B4		
	A4		
Input Ch5	C5	/53.2	T 11017_I
	B5		
	A5		
Input Ch6	C6	/54.2	T 11021_I
	B6		
	A6		
Input Ch7	C7	/55.2	T 11022_I
	B7		
	A7		
Input Ch8	C8	/57.2	T 11026_I
	B8		
	A8		
L2+	NC		
L2-	0V		

ABB AI 830

1	2	3	4	5	6	7	8

-DPS3_1_7

PCS 3
Slave 1
Slot 7
Analog Input
RDT (Pt100)

Input Ch1	C1 B1 A1	/58.2	T 11027_I
Input Ch2	C2 B2 A2	/59.2	T 11031_I
L1+ L1-	NC 0V		
Input Ch3	C3 B3 A3	/60.2	T 11032_I
Input Ch4	C4 B4 A4	/62.2	T 11036_I
Input Ch5	C5 B5 A5	/63.2	T 11037_I
Input Ch6	C6 B6 A6	/65.2	T 11041_I
Input Ch7	C7 B7 A7	/75.2	T 11701_I
Input Ch8	C8 B8 A8	/76.2	T 11703_I
L2+ L2-	NC 0V		

ABB AI 830

-DPS3_1_8

PCS 3
Slave 1
Slot 8
Analog Input
RDT (Pt100)

Input Ch1	C1 B1 A1	/77.2	T 11715_I
Input Ch2	C2 B2 A2	/78.2	T 11718_I
L1+ L1-	NC 0V		
Input Ch3	C3 B3 A3	/79.2	T 11721_I
Input Ch4	C4 B4 A4	/80.2	T 11730_I
Input Ch5	C5 B5 A5	/81.2	T 11733_I
Input Ch6	C6 B6 A6	/82.2	T 11735_I
Input Ch7	C7 B7 A7	/83.2	T 11737_I
Input Ch8	C8 B8 A8	/84.2	T 11740_I
L2+ L2-	NC 0V		

ABB AI 830

1	2	3	4	5	6	7	8

-DPS3_1_9

PCS 3
Slave 1
Slot 9
Analog Input
RDT (Pt100)

Input Ch1	C1	/87.2	T 11743_I
	B1		
	A1		
Input Ch2	C2	/89.2	T 11745_I
	B2		
	A2		
L1+	NC		
L1-	0V		
Input Ch3	C3	/92.2	T 11747_I
	B3		
	A3		
Input Ch4	C4	/97.2	T 11814_I
	B4		
	A4		
Input Ch5	C5	/100.2	T 11854_I
	B5		
	A5		
Input Ch6	C6	100Ω	
	B6		
	A6		
Input Ch7	C7	100Ω	
	B7		
	A7		
Input Ch8	C8	100Ω	
	B8		
	A8		
L2+	NC		
L2-	0V		

ABB AI 830

-DPS3_1_10

PCS 3
Slave 1
Slot 10
Analog Output
0-20mA

Output Ch1	C1	100Ω	
	A1		
Output Ch2	C2	/48.2	U 11010_O
	A2		
L1+	+24V		
L1-	0V		
Output Ch3	A3	/66.5	HIC 11074_O
	C3		
Output Ch4	C4	100Ω	
	A4		
Output Ch5	C5	100Ω	
	A5		
Output Ch6	C6	100Ω	
	A6		
Output Ch7	C7	100Ω	
	A7		
Output Ch8	C8	100Ω	
	A8		
L2+	+24V		
L2-	0V		

ABB AO 810

ELCAD (R)

c				date	21.07.2005	ASU Kosice	AIR LIQUIDE Air Liquide AGS GmbH	Circuit diagram
b				made	Meis			
a		30.8.05	Kauven	check				I/O allocation DPS 03, slave 1
	revision	date	name	stand.		replaced:	replaced:	based:

K.70101

=
+C14

D9792705-1

page 21
sh.

1	2	3	4	5	6	7	8

-DPS3_1_11

PCS 3
Slave 1
Slot 11
Digital Input

Input Ch1	C1	/48.7	GL 11010_I
Input Ch2	B1	/270.7	HA 92001_I
Input Ch3	C2		
Input Ch4	B2	/72.3	LH 11080_I
+24V	L1+		
0V (A1-A4)	L1-		
Input Ch5	C3	/73.3	LH 11081_I
Input Ch6	B3	/74.3	LH 11082_I
Input Ch7	C4	/96.3	PD 11812_I
Input Ch8	B4	/98.3	PD 11846_I
Input Ch9	C5	/68.3	YL 11074.2
Input Ch10	B5	/68.4	YL 11074.3
Input Ch11	C6	/68.6	YL 11074.1
Input Ch12	B6		
Input Ch13	C7	/268a.3	EA 11501_I
Input Ch14	B7	/268a.4	EA 70501_I
Input Ch15	C8		
Input Ch16	B8		
+24V	L2+		
0V (A5-A8)	L2-		

ABB DI 810

-DPS3_1_12

PCS 3
Slave 1
Slot 12
Digital Output

Output Ch1	C1	/71.3	US 11074_O
Output Ch2	B1	/271.2	HS 92001_O
Output Ch3	C2	/67.6	HS 11074.1_O
Output Ch4	B2	/67.8	HS 11074.2_O
+24V	L1+		
0V (A1-A4)	L1-		
Output Ch5	C3		
Output Ch6	B3		
Output Ch7	C4		
Output Ch8	B4		
Output Ch9	C5		
Output Ch10	B5		
Output Ch11	C6		
Output Ch12	B6		
Output Ch13	C7		
Output Ch14	B7		
Output Ch15	C8		
Output Ch16	B8		
+24V	L2+		
0V (A5-A8)	L2-		

ABB DO 810

1	2	3	4	5	6	7	8

ELCAD (R)

c				date	21.07.2005	ASU Kosice	AIR LIQUIDE Air Liquide AGS GmbH	Circuit diagram	K.70101	=	
b				made	Meis					+C14	
a				check				I/O allocation DPS 03, spare			page 23
	revision	date	name	stand.		replaced:	replaced: based:		D9792705-1		sh.

1	2	3	4	5	6	7	8

-DPS3_2_3

PCS 3
Slave 2
Slot 3
Analog Input
0(4)-20mA, 0-10V

Input Ch1	C1	/106.2	G 16010_I
	B1		
	A1		
Input Ch2	C2	/121.2	F 16073_I
	B2		
	A2		
L1+	+24V		
L1-	0V		
Input Ch3	C3		100Ω
	B3		
	A3		
Input Ch4	C4	/109.2	P 16015_I
	B4		
	A4		
Input Ch5	C5	/112.2	P 16025_I
	B5		
	A5		
Input Ch6	C6	/115.2	P 16035_I
	B6		
	A6		
Input Ch7	C7	/126.2	GI 16074_I
	B7		
	A7		
Input Ch8	C8	/122.2	P 16073_I
	B8		
	A8		
L2+	+24V		
L2-	0V		

ABB AI 810

-DPS3_2_4

PCS 3
Slave 2
Slot 4
Analog Input
0(4)-20mA, 0-10V

Input Ch1	C1	/156.2	P 16751_I
	B1		
	A1		
Input Ch2	C2	/161.2	P 16854_I
	B2		
	A2		
L1+	+24V		
L1-	0V		
Input Ch3	C3	/163.2	P 16855_I
	B3		
	A3		
Input Ch4	C4	/158.2	P 16812_I
	B4		
	A4		
Input Ch5	C5	/159.2	T 16812_I
	B5		
	A5		
Input Ch6	C6	/162.2	T 16854_I
	B6		
	A6		
Input Ch7	C7	/160.2	PD 16846_I
	B7		
	A7		
Input Ch8	C8	/140.2	G 16733_I
	B8		
	A8		
L2+	+24V		
L2-	0V		

ABB AI 810

1	2	3	4	5	6	7	8

-DPS3_2_5

PCS 3
Slave 2
Slot 5
Analog Input
0(4)-20mA, 0-10V

Input Ch1	C1	/145.2	X 16736_I
	B1		
	A1		
Input Ch2	C2	/146.2	X 16737_I
	B2		
	A2		
L1+	+24V		
L1-	0V		
Input Ch3	C3	/148.2	X 16738_I
	B3		
	A3		
Input Ch4	C4	/149.2	X 16739_I
	B4		
	A4		
Input Ch5	C5	/151.2	X 16740_I
	B5		
	A5		
Input Ch6	C6	/152.2	X 16741_I
	B6		
	A6		
Input Ch7	C7	/154.2	X 16743_I
	B7		
	A7		
Input Ch8	C8	/155.2	X 16744_I
	B8		
	A8		
L2+	+24V		
L2-	0V		

ABB AI 810

-DPS3_2_6

PCS 2
Slave 2
Slot 6
Analog Input
RDT (Pt100)

Input Ch1	C1		
	B1		
	A1		
Input Ch2	C2	/108.2	T 16011_I
	B2		
	A2		
L1+	NC		
L1-	0V		
Input Ch3	C3	/110.2	T 16015_I
	B3		
	A3		
Input Ch4	C4	/111.2	T 16021_I
	B4		
	A4		
Input Ch5	C5	/113.2	T 16025_I
	B5		
	A5		
Input Ch6	C6	/114.2	T 16031_I
	B6		
	A6		
Input Ch7	C7	/116.2	T 16035_I
	B7		
	A7		
Input Ch8	C8	/117.2	T 16041_I
	B8		
	A8		
L2+	NC		
L2-	0V		

100Ω

ABB AI 830

1	2	3	4	5	6	7	8

-DPS3_2_7

PCS 3
Slave 2
Slot 7
Analog Input
RDT (Pt100)

Input Ch1	C1	/131.2	T 16701_I
	B1		
	A1		
Input Ch2	C2	/132.2	T 16703_I
	B2		
	A2		
L1+	NC		
L1-	0V		
Input Ch3	C3	/133.2	T 16715_I
	B3		
	A3		
Input Ch4	C4	/134.2	T 16718_I
	B4		
	A4		
Input Ch5	C5	/135.2	T 16721_I
	B5		
	A5		
Input Ch6	C6	/136.2	T 16730_I
	B6		
	A6		
Input Ch7	C7	/141.2	T 16733_I
	B7		
	A7		
Input Ch8	C8	/142.2	T 16734_I
	B8		
	A8		
L2+	NC		
L2-	0V		

ABB AI 830

-DPS3_2_8

PCS 3
Slave 2
Slot 8
Analog Input
RDT (Pt100)

Input Ch1	C1	/143.2	T 16735_I	
	B1			
	A1			
Input Ch2	C2	/144.2	T 16736_I	
	B2			
	A2			
L1+	NC			
L1-	0V			
Input Ch3	C3	/147.2	T 16738_I	
	B3			
	A3			
Input Ch4	C4	/150.2	T 16740_I	
	B4			
	A4			
Input Ch5	C5	/153.2	T 16743_I	
	B5			
	A5			
Input Ch6	C6			100Ω
	B6			
	A6			
Input Ch7	C7			100Ω
	B7			
	A7			
Input Ch8	C8			100Ω
	B8			
	A8			
L2+	NC			
L2-	0V			

ABB AI 830

ELCAD (R)

c				date	21.07.2005	ASU Kosice	AIR LIQUIDE Air Liquide AGS GmbH	Circuit diagram
b				made	Meis			
a		30.8.05	Kauven	check				I/O allocation DPS 03, slave 2
	revision	date	name	stand.		replaced:	replaced: based:	

K.70101 | = | +C14 | D9792705-1 | page 26 | sh.

1	2	3	4	5	6	7	8

-DPS3_2_9

PCS 3
Slave 2
Slot 9
Analog Input
RDT (Pt100)

Input Ch1	C1	100Ω
	B1	
	A1	
Input Ch2	C2	100Ω
	B2	
	A2	
L1+	NC	
L1-	0V	
Input Ch3	C3	100Ω
	B3	
	A3	
Input Ch4	C4	100Ω
	B4	
	A4	
Input Ch5	C5	100Ω
	B5	
	A5	
Input Ch6	C6	100Ω
	B6	
	A6	
Input Ch7	C7	100Ω
	B7	
	A7	
Input Ch8	C8	100Ω
	B8	
	A8	
L2+	NC	
L2-	0V	

ABB AI 830

-DPS3_2_10

PCS 3
Slave 2
Slot 10
Analog Output
0-20mA

Output Ch1	C1	/120.2	H 16071_O
	A1		
Output Ch2	C2	/123.6	H 16073_O
	A2		
L1+	+24V		
L1-	0V		
Output Ch3	C3	/104.2	P 16007_O
	A3		
Output Ch4	C4	/107.2	U 16010_O
	A4		
Output Ch5	C5	/127.5	HIC 16074_O
	A5		
Output Ch6	C6	100Ω	
	A6		
Output Ch7	C7	100Ω	
	A7		
Output Ch8	C8	100Ω	
	A8		
L2+	+24V		
L2-	0V		

ABB AO 810

ELCAD (R)

c				date	21.07.2005	ASU Kosice	AIR LIQUIDE Air Liquide AGS GmbH	Circuit diagram	K.70101	=
b				made	Meis					+C14
a		30.8.05	Kauven	check				I/O allocation DPS 03, slave 2	D9792705-1	page 27
	revision	date	name	stand.		replaced:	replaced: based:			sh.

-DPS3_2_11

PCS 3
Slave 2
Slot 11
Digital Input

Input Ch1	C1	⊗	/106.6	GL 16010_I
Input Ch2	B1	⊗	/106.7	GH 16010_I
Input Ch3	C2	⊗	/124.3	GL 16074_I
Input Ch4	B2	⊗	/124.4	GH 16074_I
+24V	L1+			
0V (A1-A4)	L1-			
Input Ch5	C3	⊗		
Input Ch6	B3	⊗	/123.3	GH 16073_I
Input Ch7	C4	⊗	/123.4	GL 16073_I
Input Ch8	B4	⊗		
Input Ch9	C5	⊗		
Input Ch10	B5	⊗		
Input Ch11	C6	⊗	/120.6	GH 16071_I
Input Ch12	B6	⊗	/120.7	GL 16071_I
Input Ch13	C7	⊗	/130.3	YL 16074.2
Input Ch14	B7	⊗	/130.4	YL 16074.3
Input Ch15	C8	⊗	/130.6	YL 16074.1
Input Ch16	B8	⊗		
+24V	L2+			
0V (A5-A8)	L2-			

ABB DI 810

-DPS3_2_12

PCS 3
Slave 2
Slot 12
Digital Output

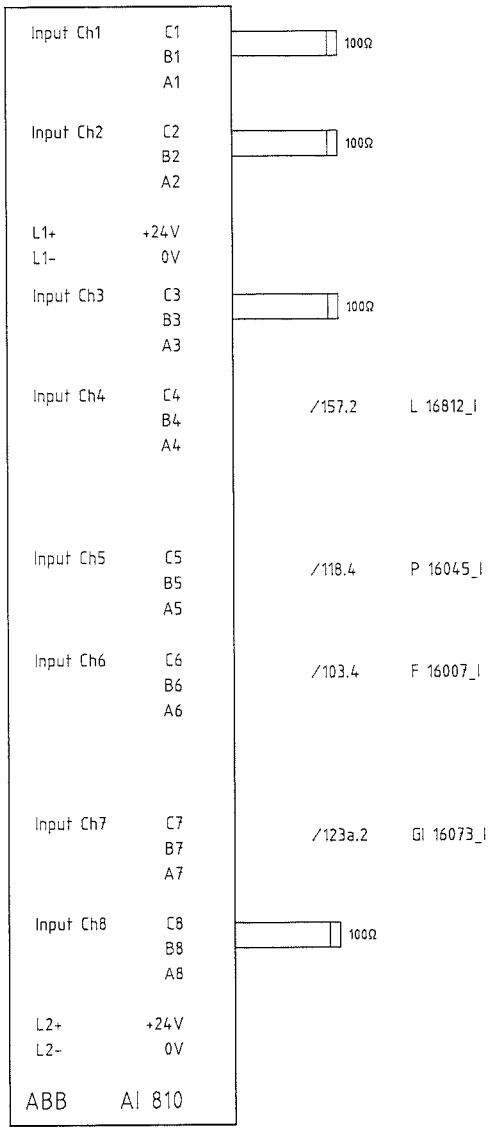
Output Ch1	C1	⊗	/125.2	US 16074_O
Output Ch2	B1	⊗		
Output Ch3	C2	⊗	/120.3	US 16071_O
Output Ch4	B2	⊗	/128.6	HS 16074.1_O
+24V	L1+			
0V (A1-A4)	L1-			
Output Ch5	C3	⊗	/128.8	HS 16074.2_O
Output Ch6	B3	⊗		
Output Ch7	C4	⊗		
Output Ch8	B4	⊗		
Output Ch9	C5	⊗		
Output Ch10	B5	⊗		
Output Ch11	C6	⊗		
Output Ch12	B6	⊗		
Output Ch13	C7	⊗		
Output Ch14	B7	⊗		
Output Ch15	C8	⊗		
Output Ch16	B8	⊗		
+24V	L2+			
0V (A5-A8)	L2-			

ABB DO 810

1	2	3	4	5	6	7	8

-DPS3_2_13

PCS 3
Slave 2
Slot 13
Analog Input
0(4)-20mA, 0-10V



ELCAD (R)

c				date	21.07.2005	ASU Kosice	AIR LIQUIDE Air Liquide AGS GmbH	Circuit diagram	K.70101	=
b	As built	24.11.06	Kauven	made	Meis					+C14
a		15.11.05	Kauven	check				I/O allocation DPS 03, slave 2	D9792705-1	page 29
	revision	date	name	stand.		replaced:	replaced: based:			sh.

1	2	3	4	5	6	7	8

-DPS3_3_3

PCS 3
Slave 3
Slot 3
Analog Input
0(4)-20mA, 0-10V

Input Ch1	C1	100Ω	
	B1		
	A1		
Input Ch2	C2	/171.5	G 70010_I
	B2		
	A2		
L1+	+24V		
L1-	0V		
Input Ch3	C3	/169.2	P 70007_I
	B3		
	A3		
Input Ch4	C4	/172.2	P 70015_I
	B4		
	A4		
Input Ch5	C5	/176.2	P 70025_I
	B5		
	A5		
Input Ch6	C6	/178.2	P 70031_I
	B6		
	A6		
Input Ch7	C7	100Ω	
	B7		
	A7		
Input Ch8	C8	100Ω	
	B8		
	A8		
L2+	+24V		
L2-	0V		

ABB AI 810

-DPS3_3_4

PCS 3
Slave 3
Slot 4
Analog Input
0(4)-20mA, 0-10V

Input Ch1	C1	100Ω	
	B1		
	A1		
Input Ch2	C2	/215.2	P 70854_I
	B2		
	A2		
L1+	+24V		
L1-	0V		
Input Ch3	C3	/197.2	G 70738_I
	B3		
	A3		
Input Ch4	C4	/208.2	G 70743_I
	B4		
	A4		
Input Ch5	C5	/195.4	X 70736_I
	B5		
	A5		
Input Ch6	C6	/200.2	X 70738_I
	B6		
	A6		
Input Ch7	C7	/203.2	X 70740_I
	B7		
	A7		
Input Ch8	C8	/207.2	X 70742_I
	B8		
	A8		
L2+	+24V		
L2-	0V		

ABB AI 810

1	2	3	4	5	6	7	8

-DPS3_3_5

PCS 3
Slave 3
Slot 5
Analog Input
0(4)-20mA, 0-10V

Input Ch1	C1	100Ω	
	B1		
	A1		
Input Ch2	C2	100Ω	
	B2		
	A2		
L1+	+24V		
L1-	0V		
Input Ch3	C3	/188.5	G 70074_I
	B3		
	A3		
Input Ch4	C4	/181.4	P 70035_I
	B4		
	A4		
Input Ch5	C5	/174.4	PD 70020_I
	B5		
	A5		
Input Ch6	C6	/167.2	P 70001_I
	B6		
	A6		
Input Ch7	C7	/219.2	P 77001_I
	B7		
	A7		
Input Ch8	C8	100Ω	
	B8		
	A8		
L2+	+24V		
L2-	0V		

ABB AI 810

-DPS3_3_6

PCS 3
Slave 3
Slot 6
Analog Input
RDT (Pt100)

Input Ch1	C1	/168.2	T 70001_I
	B1		
	A1		
Input Ch2	C2	/173.2	T 70015_I
	B2		
	A2		
L1+	NC		
L1-	0V		
Input Ch3	C3	/177.2	T 70025_I
	B3		
	A3		
Input Ch4	C4	/182.2	T 70035_I
	B4		
	A4		
Input Ch5	C5	100Ω	
	B5		
	A5		
Input Ch6	C6	/189.2	T 70701_I
	B6		
	A6		
Input Ch7	C7	/190.2	T 70703_I
	B7		
	A7		
Input Ch8	C8	/191.2	T 70715_I
	B8		
	A8		
L2+	NC		
L2-	0V		

ABB AI 830

ELCAD (R)

c				date	21.07.2005	ASU Kosice	AIR LIQUIDE Air Liquide AGS GmbH	Circuit diagram	K.70101	=	
b				made	Meis					+C14	
a		15.11.05	Kauven	check				I/O allocation DPS 03, slave 3	D9792705-1		page 31
	revision	date	name	stand.		replaced:	replaced:	based:			sh.

-DPS3_3_7

PCS 3
Slave 3
Slot 7
Analog Input
RDT (Pt100)

Input Ch1	C1	/192.2	T 70718_I
	B1		
	A1		
Input Ch2	C2	/193.2	T 70721_I
	B2		
	A2		
L1+	NC		
L1-	0V		
Input Ch3	C3	/194.2	T 70736_I
	B3		
	A3		
Input Ch4	C4	/196.2	T 70737_I
	B4		
	A4		
Input Ch5	C5	/199.2	T 70738_I
	B5		
	A5		
Input Ch6	C6	/201.2	T 70739_I
	B6		
	A6		
Input Ch7	C7	/202.2	T 70740_I
	B7		
	A7		
Input Ch8	C8	/204.2	T 70741_I
	B8		
	A8		
L2+	NC		
L2-	0V		

ABB AI 830

-DPS3_3_8

PCS 3
Slave 3
Slot 8
Analog Input
RDT (Pt100)

Input Ch1	C1		/206.2	T 70742_I
	B1			
	A1			
Input Ch2	C2		/209.2	T 70743_I
	B2			
	A2			
L1+	NC			
L1-	0V			
Input Ch3	C3	100Ω		
	B3			
	A3			
Input Ch4	C4		/216.2	T 70854_I
	B4			
	A4			
Input Ch5	C5	100Ω		
	B5			
	A5			
Input Ch6	C6	100Ω		
	B6			
	A6			
Input Ch7	C7	100Ω		
	B7			
	A7			
Input Ch8	C8	100Ω		
	B8			
	A8			
L2+	NC			
L2-	0V			

ABB AI 830

1	2	3	4	5	6	7	8

-DPS3_3_9

PCS 3
Slave 3
Slot 9
Analog Output
0-20mA

Output Ch1	C1 / A1	/185.2	U 70074_O
Output Ch2	C2 / A2	/180.2	H 70035_O
L1+	+24V		
L1-	0V		
Output Ch3	C3 / A3	/183.2	H 70036_O
Output Ch4	C4 / A4	/171.2	U 70010_O
Output Ch5	C5 / A5	100Ω	
Output Ch6	C6 / A6	100Ω	
Output Ch7	C7 / A7	100Ω	
Output Ch8	C8 / A8	100Ω	
L2+	+24V		
L2-	0V		

ABB AO 810

-DPS3_3_10

PCS 3
Slave 3
Slot 10
Digital Input

Input Ch1	C1 ⊗	/170.3	GL 70010_I
Input Ch2	B1 ⊗	/187.2	GH 70074_I
Input Ch3	C2 ⊗	/214.3	PDH 70846_I
Input Ch4	B2 ⊗	/213.3	T 70815_I
+24V	L1+		
0V (A1-A4)	L1-		
Input Ch5	C3 ⊗	/170.5	GH 70010_I
Input Ch6	B3 ⊗	/187.4	GL 70074_I
Input Ch7	C4 ⊗	/211.3	TH 70810_I
Input Ch8	B4 ⊗	/212.3	LL 70813_I
Input Ch9	C5 ⊗	/210.3	P 70753_I
Input Ch10	B5 ⊗	/179.3	GH 70035_I
Input Ch11	C6 ⊗	/179.4	GL 70035_I
Input Ch12	B6 ⊗	/186.7	EA 70074_I
Input Ch13	C7 ⊗	/165.6	HA 70001_I
Input Ch14	B7 ⊗	/269.5	HA 40000_1_I
Input Ch15	C8 ⊗		
Input Ch16	B8 ⊗		
+24V	L2+		
0V (A5-A8)	L2-		

ABB DI 810

1	2	3	4	5	6	7	8

-DPS3_3_11

PCS 3
Slave 3
Slot 11
Digital Output

Output Ch1	C1 ⊗	/166.2	HS 70001_2_0
Output Ch2	B1 ⊗	/180.6	HS 70035_0
Output Ch3	C2 ⊗	/185.7	HS 70074_0
Output Ch4	B2 ⊗	/187.7	US 70074_0
+24V	L1+		
0V (A1-A4)	L1-		
Output Ch5	C3 ⊗	/165.8	HS 70001_1_0
Output Ch6	B3 ⊗		
Output Ch7	C4 ⊗		
Output Ch8	B4 ⊗		
Output Ch9	C5 ⊗		
Output Ch10	B5 ⊗		
Output Ch11	C6 ⊗		
Output Ch12	B6 ⊗		
Output Ch13	C7 ⊗		
Output Ch14	B7 ⊗		
Output Ch15	C8 ⊗		
Output Ch16	B8 ⊗		
+24V	L2+		
0V (A5-A8)	L2-		

ABB DO 810

1	2	3	4	5	6	7	8

ELCAD (R)

c				date	21.07.2005	ASU Kosice	AIR LIQUIDE Air Liquide AGS GmbH	Circuit diagram	K.70101	=	
b				made	Meis					+C14	
a				check							
	revision	date	name	stand.		replaced:	replaced: based:	I/O allocation DPS 03, spare	D9792705-1	page 35 sh.	

1	2	3	4	5	6	7	8

-DPS3_4_3

PCS 3
Slave 4
Slot 3
Analog Input
0(4)-20mA, 0-10V

Input Ch1	C1	/223.5	G 77010_I
	B1		
	A1		
Input Ch2	C2	/249.2	G 77738_I
	B2		
	A2		
L1+	+24V		
L1-	0V		
Input Ch3	C3	/260.2	G 77743_I
	B3		
	A3		
Input Ch4	C4	/221.2	P 77007_I
	B4		
	A4		
Input Ch5	C5	/224.2	P 77015_I
	B5		
	A5		
Input Ch6	C6	/228.2	P 77025_I
	B6		
	A6		
Input Ch7	C7	/230.2	P 77031_I
	B7		
	A7		
Input Ch8	C8	100Ω	
	B8		
	A8		
L2+	+24V		
L2-	0V		
ABB	AI 810		

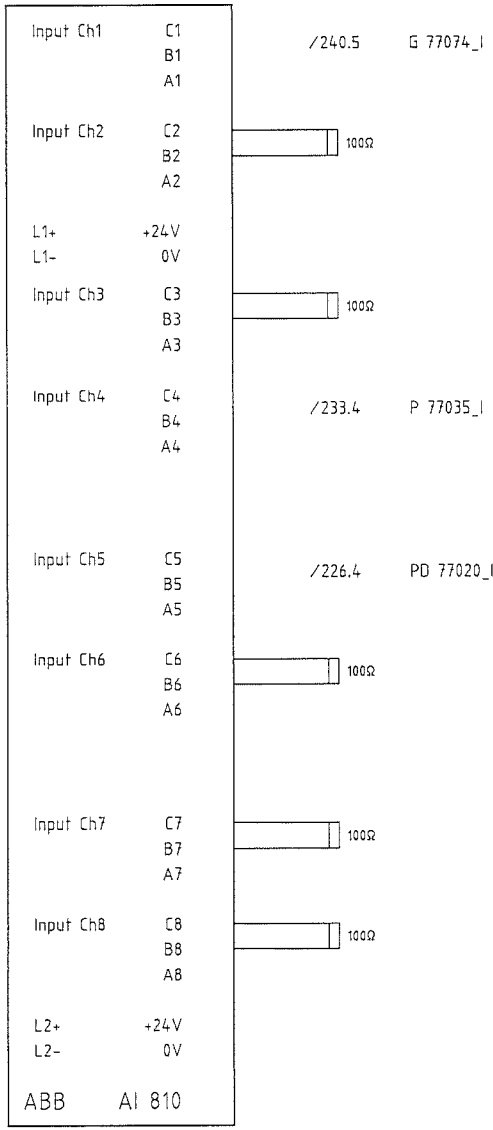
-DPS3_4_4

PCS 3
Slave 4
Slot 4
Analog Input
0(4)-20mA, 0-10V

Input Ch1	C1	100Ω	
	B1		
	A1		
Input Ch2	C2	/267.2	P 77854_I
	B2		
	A2		
L1+	+24V		
L1-	0V		
Input Ch3	C3	/247.2	X 77736_I
	B3		
	A3		
Input Ch4	C4	/252.2	X 77738_I
	B4		
	A4		
Input Ch5	C5	/255.2	X 77740_I
	B5		
	A5		
Input Ch6	C6	/259.2	X 77742_I
	B6		
	A6		
Input Ch7	C7	100Ω	
	B7		
	A7		
Input Ch8	C8	100Ω	
	B8		
	A8		
L2+	+24V		
L2-	0V		
ABB	AI 810		

-DPS3_4_5

PCS 3
Slave 4
Slot 5
Analog Input
0(4)-20mA, 0-10V



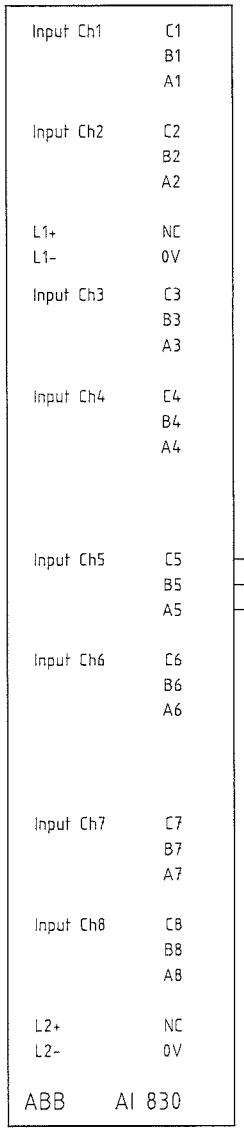
/240.5 G 77074_I

/233.4 P 77035_I

/226.4 PD 77020_I

-DPS3_4_6

PCS 3
Slave 4
Slot 6
Analog Input
RDT (Pt100)



/220.2 T 77001_I

/225.2 T 77015_I

/229.2 T 77025_I

/234.2 T 77035_I

/241.2 T 77701_I

/242.2 T 77703_I

/243.2 T 77715_I

ELCAD (R)

c				date	21.07.2005	ASU Kosice	AIR LIQUIDE Air Liquide AGS GmbH	Circuit diagram
b				made	Meis			
a		15.11.05	Kauven	check				I/O allocation DPS 03, slave 4
	revision	date	name	stand.		replaced:	replaced:	based:

K.70101 | = | +C14 | D9792705-1 | page 37 | sh.

1	2	3	4	5	6	7	8

-DPS3_4_7

PCS 3
Slave 4
Slot 7
Analog Input
RDT (Pt100)

Input Ch1	C1	/244.2	T 77718_I
	B1		
	A1		
Input Ch2	C2	/245.2	T 77721_I
	B2		
	A2		
L1+	NC		
L1-	0V		
Input Ch3	C3	/246.2	T 77736_I
	B3		
	A3		
Input Ch4	C4	/248.2	T 77737_I
	B4		
	A4		
Input Ch5	C5	/251.2	T 77738_I
	B5		
	A5		
Input Ch6	C6	/253.2	T 77739_I
	B6		
	A6		
Input Ch7	C7	/254.2	T 77740_I
	B7		
	A7		
Input Ch8	C8	/256.2	T 77741_I
	B8		
	A8		
L2+	NC		
L2-	0V		

ABB AI 830

-DPS3_4_8

PCS 3
Slave 4
Slot 8
Analog Input
RDT (Pt100)

Input Ch1	C1		/258.2	T 77742_I
	B1			
	A1			
Input Ch2	C2		/261.2	T 77743_I
	B2			
	A2			
L1+	NC			
L1-	0V			
Input Ch3	C3	100Ω		
	B3			
	A3			
Input Ch4	C4		/268.2	T 77854_I
	B4			
	A4			
Input Ch5	C5	100Ω		
	B5			
	A5			
Input Ch6	C6	100Ω		
	B6			
	A6			
Input Ch7	C7	100Ω		
	B7			
	A7			
Input Ch8	C8	100Ω		
	B8			
	A8			
L2+	NC			
L2-	0V			

ABB AI 830

ELCAD (R)

c				date	21.07.2005	ASU Kosice	AIR LIQUIDE Air Liquide AGS GmbH	Circuit diagram	K.70101 =
b				made	Meis				+C14
a		30.8.05	Kauven	check				I/O allocation DPS 03, slave 4	D9792705-1 page 38
	revision	date	name	stand.		replaced:	replaced: based:		sh.

1	2	3	4	5	6	7	8

-DPS3_4_9

PCS 3
Slave 4
Slot 9
Analog Output
0-20mA

Output Ch1	C1 / A1	/232.2	H 77035_O
Output Ch2	C2 / A2	/235.2	H 77036_O
L1+	+24V		
L1-	0V		
Output Ch3	C3 / A3	/223.2	U 77010_O
Output Ch4	C4 / A4	/237.2	U 77074_O
Output Ch5	C5 / A5	100Ω	
Output Ch6	C6 / A6	100Ω	
Output Ch7	C7 / A7	100Ω	
Output Ch8	C8 / A8	100Ω	
L2+	+24V		
L2-	0V		

ABB AO 810

-DPS3_4_10

PCS 3
Slave 4
Slot 10
Digital Input

Input Ch1	C1 ⊗	/222.3	GL 77010_I
Input Ch2	B1 ⊗	/239.2	GH 77074_I
Input Ch3	C2 ⊗	/266.3	PDH 77846_I
Input Ch4	B2 ⊗	/265.3	TH 77815_I
+24V	L1+		
0V (A1-A4)	L1-		
Input Ch5	C3 ⊗	/222.5	GH 77010_I
Input Ch6	B3 ⊗	/239.4	GL 77074_I
Input Ch7	C4 ⊗	/263.3	TH 77810_I
Input Ch8	B4 ⊗	/264.3	LL 77813_I
Input Ch9	C5 ⊗	/262.3	PL 77753_I
Input Ch10	B5 ⊗	/231.3	GH 77035_I
Input Ch11	C6 ⊗	/231.4	GL 77035_I
Input Ch12	B6 ⊗	/238.7	EA 77074
Input Ch13	C7 ⊗	/217.6	HA 77001_I
Input Ch14	B7 ⊗	/123a.4	EA 16073_I
Input Ch15	C8 ⊗	/269.3	HA 61000_1_I
Input Ch16	B8 ⊗	/269.4	HA 71000_1_I
+24V	L2+		
0V (A5-A8)	L2-		

ABB DI 810

1	2	3	4	5	6	7	8

-DPS3_4_11

PCS 3
Slave 4
Slot 11
Digital Output

Output Ch1	C1	⊗	/218.2	HS 77001_2_0
Output Ch2	B1	⊗	/232.6	HS 77035_0
Output Ch3	C2	⊗	/237.7	HS 77074_0
Output Ch4	B2	⊗	/239.6	US 77074_0
+24V	L1+			
0V (A1-A4)	L1-			
Output Ch5	C3	⊗	/217.8	HS 77001_1_0
Output Ch6	B3	⊗		
Output Ch7	C4	⊗		
Output Ch8	B4	⊗		
Output Ch9	C5	⊗		
Output Ch10	B5	⊗		
Output Ch11	C6	⊗		
Output Ch12	B6	⊗		
Output Ch13	C7	⊗		
Output Ch14	B7	⊗		
Output Ch15	C8	⊗		
Output Ch16	B8	⊗		
+24V	L2+			
0V (A5-A8)	L2-			

ABB DO 810

ELCAD (R)

c				date	21.07.2005	ASU Kosice	AIR LIQUIDE Air Liquide AGS GmbH	Circuit diagram	K.70101	=	
b				made	Meis					+C14	
a	As built	24.11.06	Kauven	check				I/O allocation DPS 03, slave 4, spare	D9792705-1		page 40
	revision	date	name	stand.		replaced:	replaced: based:				sh.

1	2	3	4	5	6	7	8

ELCAD (R)

c				date	21.07.2005	ASU Kosice	AIR LIQUIDE Air Liquide AGS GmbH	Circuit diagram	K.70101	=		
b				made	Meis					+C14		
a				check								
	revision	date	name	stand.		replaced:	replaced:	based:	I/O allocation DPS 03, spare		D9792705-1	page 41 sh.