

US STEEL KOSICE/SLOVAKIA
50.3023.01
SUBSTATION T80

OUTGOING

CIRCUIT DIAGRAM

A = L13

/ A01

D009781.02. 613-3. AHA

50.3023.01.A3.741.227
COVER SHEET
PANEL
13

DATE :	06.06.2005
prep. :	ADAM
Check:	GROHMANN
Norm :	

05.01.2007 HJ0115ND
D0978102
=L13
A01
ADAM

03 AS BUILT	AD	05.12.2006	Name
02 Fact. -Rev.	AD	09.11.2005	
01 Approval	AD	20.09.2005	
Nr. Alteration		Date	

1		2		3		4		5		6		7		8	
CLIENT DOCUMENT NUMBER		RELEASE BY DOCUMENT NUMBER		VERSION STATUS		DOCUMENT IDENTIFICATION		SHEET		DESIGN					
						SORT MATCHING		ITEM NO.							
A	50.3023.01.A3.741	227	D009781.02.613-3.AHA		01	02	03	A	=L13	A01	1	COVER SHEET		13	
	50.3023.01.A3.741		D009781.02.613-3.AHA		01	02	03	A	=L13	A02	2	CIRCUIT DIAGRAM		13	
	50.3023.01.A3.741		D009781.02.613-3.AHA		01	02	03	A	=L13	B01	3	Inhaltssverzeichnis		13	
B	50.3023.01.A3.741	227	D009781.02.613-3.AHA		01	02	03	A	=L13	B02	4	Inhaltssverzeichnis		13	
	50.3023.01.A3.741		D009781.02.613-3.AHA		01	02	03	A	=L13	B03	5	Inhaltssverzeichnis		13	
	50.3023.01.A3.741		D009781.02.613-3.AHA		01	02	03	A	=L13	B04	6	Inhaltssverzeichnis		13	
C	50.3023.01.A3.741	227	D009781.02.613-3.AHA		01	02	03	S	=L13	D01	7	CIRCUIT DIAGRAM		AC-DISTRIBUTION	
	50.3023.01.A3.741		D009781.02.613-3.AHA		01	02	03	S	=L13	G00	8	CIRCUIT DIAGRAM		CBF	
	50.3023.01.A3.741		D009781.02.613-3.AHA		01	02	03	S	=L13	G01	9	CIRCUIT DIAGRAM		DC DISTR.	
D	50.3023.01.A3.741	227	D009781.02.613-3.AHA		01	02	03	S	=L13	G02	10	CIRCUIT DIAGRAM		RING CIRCUIT	
	50.3023.01.A3.741		D009781.02.613-3.AHA		01	02	03	S	=L13	L01	11	CIRCUIT DIAGRAM		CIRCUIT-BREAKER	
	50.3023.01.A3.741		D009781.02.613-3.AHA		01	02	03	S	=L13	M01	12	CIRCUIT DIAGRAM		CONTROL	
E	50.3023.01.A3.741	227	D009781.02.613-3.AHA		01	02	03	S	=L13	M02	13	CIRCUIT DIAGRAM		CONTROL	
	50.3023.01.A3.741		D009781.02.613-3.AHA		01	02	03	S	=L13	M03	14	CIRCUIT DIAGRAM		CONTROL	
	50.3023.01.A3.741		D009781.02.613-3.AHA		01	02	03	S	=L13	M04	15	CIRCUIT DIAGRAM		CONTROL	
F	50.3023.01.A3.741	227	D009781.02.613-3.AHA		01	02	03	S	=L13	M05	16	CIRCUIT DIAGRAM		CONTROL	
	50.3023.01.A3.741		D009781.02.613-3.AHA		01	02	03	S	=L13	N01	17	CIRCUIT DIAGRAM		ARC DETECTOR	
	50.3023.01.A3.741		D009781.02.613-3.AHA		01	02	03	S	=L13	N02	18	CIRCUIT DIAGRAM		ARC DETECTOR	
G	50.3023.01.A3.741	227	D009781.02.613-3.AHA		01	02	03	S	=L13	P01	19	CIRCUIT DIAGRAM		INTERLOCK	
	50.3023.01.A3.741		D009781.02.613-3.AHA		01	02	03	S	=L13	P02	20	CIRCUIT DIAGRAM		INTERLOCK	
	50.3023.01.A3.741		D009781.02.613-3.AHA		01	02	03	S	=L13	Q01	21	CIRCUIT DIAGRAM		POSITION INDICA.	
H	50.3023.01.A3.741	227	D009781.02.613-3.AHA		01	02	03	S	=L13	Q02	22	CIRCUIT DIAGRAM		INTERFACE	
	50.3023.01.A3.741		D009781.02.613-3.AHA		01	02	03	S	=L13	Q03	23	CIRCUIT DIAGRAM		INTERFACE	
	50.3023.01.A3.741		D009781.02.613-3.AHA		01	02	03	S	=L13	Q04	24	CIRCUIT DIAGRAM		INTERFACE	
I	50.3023.01.A3.741	227	D009781.02.613-3.AHA		01	02	03	S	=L13	Q05	25	CIRCUIT DIAGRAM		INTERFACE	
	50.3023.01.A3.741		D009781.02.613-3.AHA		01	02	03	S	=L13	Q06	26	CIRCUIT DIAGRAM		INTERFACE	
	50.3023.01.A3.741		D009781.02.613-3.AHA		01	02	03	S	=L13	Q07	27	CIRCUIT DIAGRAM		SPARE CONTACTS	
J	50.3023.01.A3.741	227	D009781.02.613-3.AHA		01	02	03	S	=L13	Q08	28	CIRCUIT DIAGRAM		SPARE CONTACTS	
	50.3023.01.A3.741		D009781.02.613-3.AHA		01	02	03	S	=L13	R01	29	CIRCUIT DIAGRAM		SIGNALLING	
	50.3023.01.A3.741		D009781.02.613-3.AHA		01	02	03	S	=L13	S01	30	CIRCUIT DIAGRAM		CURR. TRANSF.	
K	50.3023.01.A3.741	227	D009781.02.613-3.AHA		01	02	03	S	=L13	S02	31	CIRCUIT DIAGRAM		CURR. TRANSF.	
	50.3023.01.A3.741		D009781.02.613-3.AHA		01	02	03	S	=L13						
	50.3023.01.A3.741		D009781.02.613-3.AHA		01	02	03	S	=L13						

Copyright as per DIN 34 to be observed!

05.01.2007

AS BUILT	05.12.2005	AD	Date	06.06.2005	US STEEL KOSICE/SLOVAKIA
Fact. - Rev.	06.11.2005	AD	Drawn	ADAM	50.3023.01
Approval	20.09.2005	AD	Check	GROHMANN	SUBSTATION T80
Alteration			Date		iss. for
			Name		iss. by:



Inhaltssverzeichnis
PANEL
13

150.3023.01.A3.741.227		A =L13		/ B01	
Typ: 03		OUTGOING		D009781.02.613-3.AHA	
Sheet 3		97 Sh.			

1		2		3		4		5		6		7		8	
CLIENT DOCUMENT NUMBER		RELEASE BY DOCUMENT NUMBER		VERSION STATUS		DOCUMENT IDENTIFICATION		SHEET		DESIGN					
						SORT		MATCHING		ITEM NO.					
A	50.3023.01.A3.741	227	D009781.02.613-3.AHA	01	02	03	S	=L13		T01		32	CIRCUIT DIAGRAM	VOLTAGE TRANSF.	13
	50.3023.01.A3.741	227	D009781.02.613-3.AHA	01	02	03	S	=L13		T02		33	CIRCUIT DIAGRAM	IVIS	13
	50.3023.01.A3.741	227	D009781.02.613-3.AHA	01	02	03	S	=L13		V01		34	CIRCUIT DIAGRAM	SPARE CONTACTS	13
	50.3023.01.A3.741	227	D009781.02.613-3.AHA	01	02	03	S	=L13		V02		35	CIRCUIT DIAGRAM	SPARE CONTACTS	13
	50.3023.01.A3.741	227	D009781.02.613-3.AHA	01	02	03	S	=L13		X01		36	CIRCUIT DIAGRAM	AX PE-BUS	13
	50.3023.01.A3.741	227	D009781.02.613-3.AHA	01	02	03	S	=L13		Z1A1		37	LIST OF EQUIPMENT		13
B	50.3023.01.A3.741	227	D009781.02.613-3.AHA	01	02	03	S	=L13		Z1A10		38	LIST OF EQUIPMENT		13
	50.3023.01.A3.741	227	D009781.02.613-3.AHA	01	02	03	S	=L13		Z1A11		39	LIST OF EQUIPMENT		13
	50.3023.01.A3.741	227	D009781.02.613-3.AHA	01	02	03	S	=L13		Z1F1		40	LIST OF EQUIPMENT		13
	50.3023.01.A3.741	227	D009781.02.613-3.AHA	01	02	03	S	=L13		Z1F10		41	LIST OF EQUIPMENT		13
	50.3023.01.A3.741	227	D009781.02.613-3.AHA	01	02	03	S	=L13		Z1F11		42	LIST OF EQUIPMENT		13
	50.3023.01.A3.741	227	D009781.02.613-3.AHA	01	02	03	S	=L13		Z1F2		43	LIST OF EQUIPMENT		13
C	50.3023.01.A3.741	227	D009781.02.613-3.AHA	01	02	03	S	=L13		Z1H1		44	LIST OF EQUIPMENT		13
	50.3023.01.A3.741	227	D009781.02.613-3.AHA	01	02	03	S	=L13		Z1K1		45	LIST OF EQUIPMENT		13
	50.3023.01.A3.741	227	D009781.02.613-3.AHA	01	02	03	S	=L13		Z1P1		46	LIST OF EQUIPMENT		13
	50.3023.01.A3.741	227	D009781.02.613-3.AHA	01	02	03	S	=L13		Z1S1		47	LIST OF EQUIPMENT		13
	50.3023.01.A3.741	227	D009781.02.613-3.AHA	01	02	03	S	=L13		Z1U1		48	LIST OF EQUIPMENT		13
	50.3023.01.A3.741	227	D009781.02.613-3.AHA	01	02	03	S	=L13		Z2B1		49	LIST OF EQUIPMENT		13
D	50.3023.01.A3.741	227	D009781.02.613-3.AHA	01	02	03	S	=L13		Z2C1		50	LIST OF EQUIPMENT		13
	50.3023.01.A3.741	227	D009781.02.613-3.AHA	01	02	03	S	=L13		Z2P1		51	LIST OF EQUIPMENT		13
	50.3023.01.A3.741	227	D009781.02.613-3.AHA	01	02	03	S	=L13		Z2Q1		52	LIST OF EQUIPMENT		13
	50.3023.01.A3.741	227	D009781.02.613-3.AHA	01	02	03	S	=L13		Z2S1		53	LIST OF EQUIPMENT		13
	50.3023.01.A3.741	227	D009781.02.613-3.AHA	01	02	03	S	=L13		Z2T1		54	LIST OF EQUIPMENT		13
	50.3023.01.A3.741	227	D009781.02.613-3.AHA	01	02	03	S	=L13		Z2Y1		55	LIST OF EQUIPMENT		13
E	50.3023.01.A3.741	227	D009781.02.613-3.AHA	01	02	03	S	=L13		Z3Q1		56	LIST OF EQUIPMENT		13
	50.3023.01.A3.741	227	D009781.02.613-3.AHA	01	02	03	S	=L13		Z3Q2		57	LIST OF EQUIPMENT		13
	50.3023.01.A3.741	227	D009781.02.613-3.AHA	01	02	03	S	=L13		Z3S1		58	LIST OF EQUIPMENT		13
	50.3023.01.A3.741	227	D009781.02.613-3.AHA	01	02	03	S	=L13		Z3Y1		59	LIST OF EQUIPMENT		13
	50.3023.01.A3.741	227	D009781.02.613-3.AHA	01	02	03	V	=L13	*S1A.R	K01		60	TERMINAL DIAGRAM		13
	50.3023.01.A3.741	227	D009781.02.613-3.AHA	01	02	03	V	=L13	*S1A.R	K02		61	TERMINAL DIAGRAM		13
F	50.3023.01.A3.741	227	D009781.02.613-3.AHA	01	02	03	V	=L13	*S1A.R	K03		62	TERMINAL DIAGRAM		13
	50.3023.01.A3.741	227	D009781.02.613-3.AHA	01	02	03	V	=L13	*S1A.R						
03 AS BUILT 05.12.2005 AD Date 06.06.2005 02 Fact.-Rev. 09.11.2005 AD Drawn ADAM 01 Approval 20.08.2005 AD Check GROHMANN NO. Alteration Date Name/Std.										50.3023.01.A3.741.227 Typ: 03 OUTGOING D009781.02.613-3.AHA 7/802 Sheet 4 97Sh.					

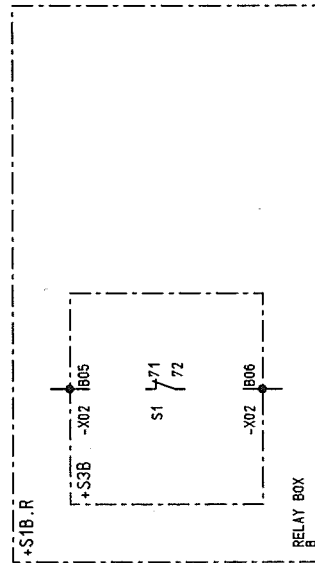
Copyright as per DIN 34 to be observed

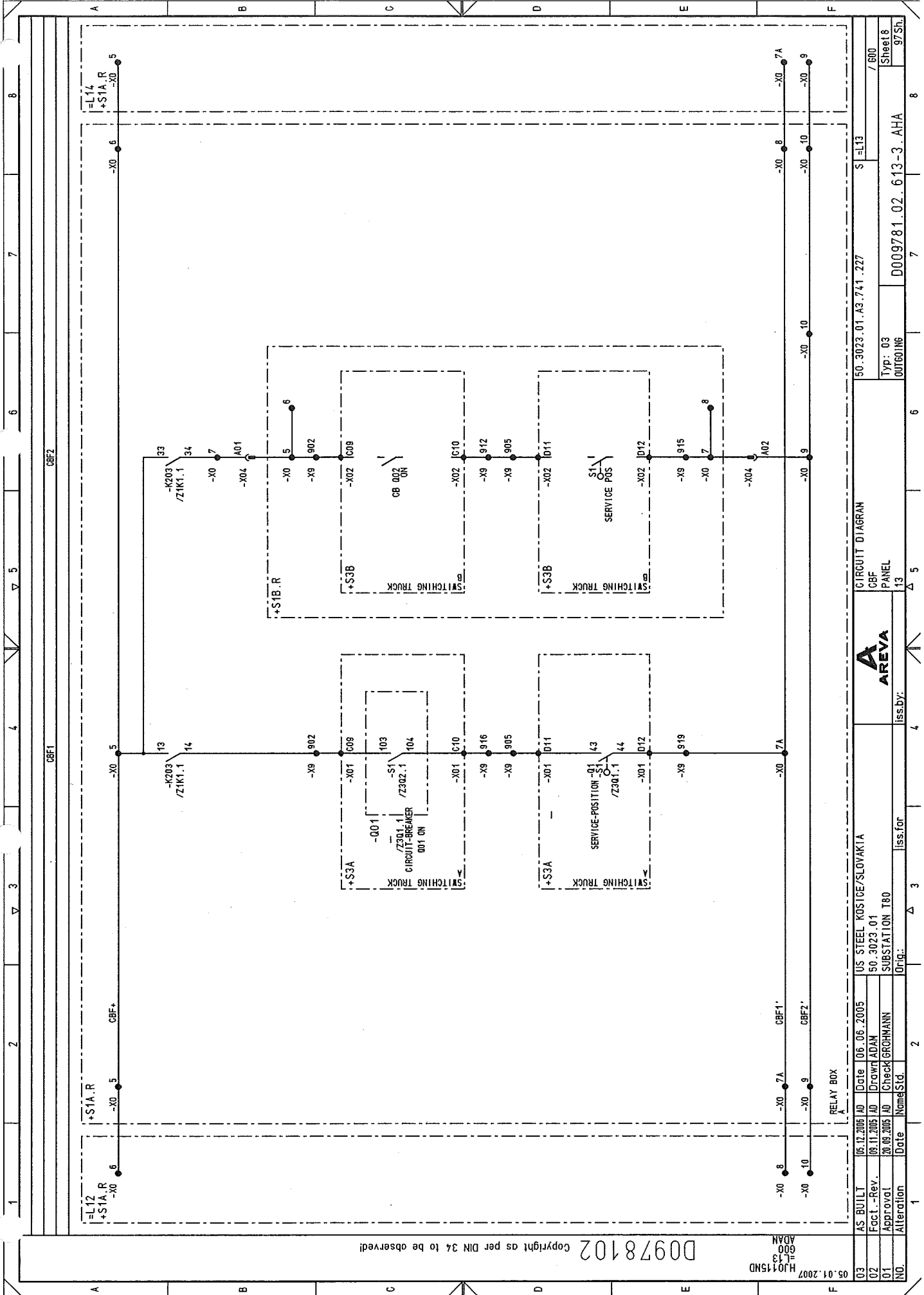
D00978102

05.01.2007

1		2		3		4		5		6		7		8	
CLIENT DOCUMENT NUMBER		RELEASE BY DOCUMENT NUMBER		VERSION STATUS		DOCUMENT IDENTIFICATION		SHEET		DESIGN					
						SORT MATCHING		ITEM NO.							
A	50.3023.01.A3.741	227	D009781.02.613-3.AHA	01	02	03	V -L13 +S1A.R	K10	63	TERMINAL DIAGRAM PANEL	13				
	50.3023.01.A3.741	227	D009781.02.613-3.AHA	01	02	03	V -L13 +S1A.R	K11	64	TERMINAL DIAGRAM PANEL	13				
	50.3023.01.A3.741	227	D009781.02.613-3.AHA	01	02	03	V -L13 +S1A.R	K12	65	TERMINAL DIAGRAM PANEL	13				
	50.3023.01.A3.741	227	D009781.02.613-3.AHA	01	02	03	V -L13 +S1A.R	K30	66	TERMINAL DIAGRAM PANEL	13				
	50.3023.01.A3.741	227	D009781.02.613-3.AHA	01	02	03	V -L13 +S1A.R	K40	67	TERMINAL DIAGRAM PANEL	13				
B	50.3023.01.A3.741	227	D009781.02.613-3.AHA	01	02	03	V -L13 +S1A.R	K50	68	TERMINAL DIAGRAM PANEL	13				
	50.3023.01.A3.741	227	D009781.02.613-3.AHA	01	02	03	V -L13 +S1A.R	K51	69	TERMINAL DIAGRAM PANEL	13				
	50.3023.01.A3.741	227	D009781.02.613-3.AHA	01	02	03	V -L13 +S1A.R	K60	70	TERMINAL DIAGRAM PANEL	13				
	50.3023.01.A3.741	227	D009781.02.613-3.AHA	01	02	03	V -L13 +S1A.R	K80	71	TERMINAL DIAGRAM PANEL	13				
	50.3023.01.A3.741	227	D009781.02.613-3.AHA	01	02	03	V -L13 +S1A.R	K81	72	TERMINAL DIAGRAM PANEL	13				
C	50.3023.01.A3.741	227	D009781.02.613-3.AHA	01	02	03	V -L13 +S1A.R	K82	73	TERMINAL DIAGRAM PANEL	13				
	50.3023.01.A3.741	227	D009781.02.613-3.AHA	01	02	03	V -L13 +S1A.R	K90	74	TERMINAL DIAGRAM PANEL	13				
	50.3023.01.A3.741	227	D009781.02.613-3.AHA	01	02	03	V -L13 +S1A.R	KPE	75	TERMINAL DIAGRAM PANEL	13				
	50.3023.01.A3.741	227	D009781.02.613-3.AHA	01	02	03	V -L13 +S1A.R	Q10	76	GROSS CONNECT. LIST RELAY BOX	13				
	50.3023.01.A3.741	227	D009781.02.613-3.AHA	01	02	03	V -L13 +S1A.R	Q11	77	GROSS CONNECT. LIST RELAY BOX	13				
D	50.3023.01.A3.741	227	D009781.02.613-3.AHA	01	02	03	V -L13 +S1A.R	Q12	78	GROSS CONNECT. LIST RELAY BOX	13				
	50.3023.01.A3.741	227	D009781.02.613-3.AHA	01	02	03	V -L13 +S1A.R	S01	79	PLUG DIAGRAM CIRCUIT-BREAKER	13				
	50.3023.01.A3.741	227	D009781.02.613-3.AHA	01	02	03	V -L13 +S1A.R	S40	80	PLUG DIAGRAM NIEDERSPG. -SCHR. A- NIEDERSPG. -SCHR. B	13				
	50.3023.01.A3.741	227	D009781.02.613-3.AHA	01	02	03	V -L13 +S1A.R	S41	81	PLUG DIAGRAM NIEDERSPG. -SCHR. A- NIEDERSPG. -SCHR. B	13				
	50.3023.01.A3.741	227	D009781.02.613-3.AHA	01	02	03	V -L13 +S1A.R	Q15	82	GROSS CONNECT. LIST RELAY BOX	13				
E	50.3023.01.A3.741	227	D009781.02.613-3.AHA	01	02	03	V -L13 +S1B.R	K01	83	TERMINAL DIAGRAM PANEL	13				
	50.3023.01.A3.741	227	D009781.02.613-3.AHA	01	02	03	V -L13 +S1B.R	K10	84	TERMINAL DIAGRAM PANEL	13				
	50.3023.01.A3.741	227	D009781.02.613-3.AHA	01	02	03	V -L13 +S1B.R	K30	85	TERMINAL DIAGRAM PANEL	13				
	50.3023.01.A3.741	227	D009781.02.613-3.AHA	01	02	03	V -L13 +S1B.R	K40	86	TERMINAL DIAGRAM PANEL	13				
	50.3023.01.A3.741	227	D009781.02.613-3.AHA	01	02	03	V -L13 +S1B.R	K80	87	TERMINAL DIAGRAM PANEL	13				
F	50.3023.01.A3.741	227	D009781.02.613-3.AHA	01	02	03	V -L13 +S1B.R	K90	88	TERMINAL DIAGRAM PANEL	13				
	50.3023.01.A3.741	227	D009781.02.613-3.AHA	01	02	03	V -L13 +S1B.R	Q10	89	GROSS CONNECT. LIST RELAY BOX	13				
	50.3023.01.A3.741	227	D009781.02.613-3.AHA	01	02	03	V -L13 +S1B.R	S01	90	PLUG DIAGRAM CIRCUIT-BREAKER	13				
	50.3023.01.A3.741	227	D009781.02.613-3.AHA	01	02	03	V -L13 +S2A	Q20	91	GROSS CONNECT. LIST PANEL	13				
	50.3023.01.A3.741	227	D009781.02.613-3.AHA	01	02	03	V -L13 +S3A	Q30	92	GROSS CONNECT. LIST SWITCHING TRUCK	13				
		50.3023.01.A3.741	227	D009781.02.613-3.AHA	01	02	03	V -L13 +S3A	Q31	GROSS CONNECT. LIST SWITCHING TRUCK	13				

03	AS BUILT	05.12.2005	AD	Date	06.06.2005	US STEEL KOSTICE/SLOVAKIA
02	Fact. - Rev.	09.11.2005	AD	Drawn	ADAN	50.3023.01
01	Approval	20.09.2005	AD	Check	GROHMANN	SUBSTANTION T80
00	Alteration			Name	Sld	Draw.
ISS.						





D0978102 Copyright as per DIN 34 to be observed

HJ0115HD
L13
G00
ADAM

RELAY BOX

03	AS BUILT	05.12.2005	AD	Date	06.06.2005	US STEEL KOSICE/SLOVAKIA
02	Fact. - Rev.	09.11.2005	AD	Drawn	ADAM	50.3023.01
01	Approval	20.03.2005	AD	Check	GROHMANN	SUBSTATION T80
NO.	Alteration	Date	Name	Sid.	Iss. for	Iss. by:

CIRCUIT DIAGRAM



CBF

PANEL

13

50.3023.01.A3.741.227

Typ: 03

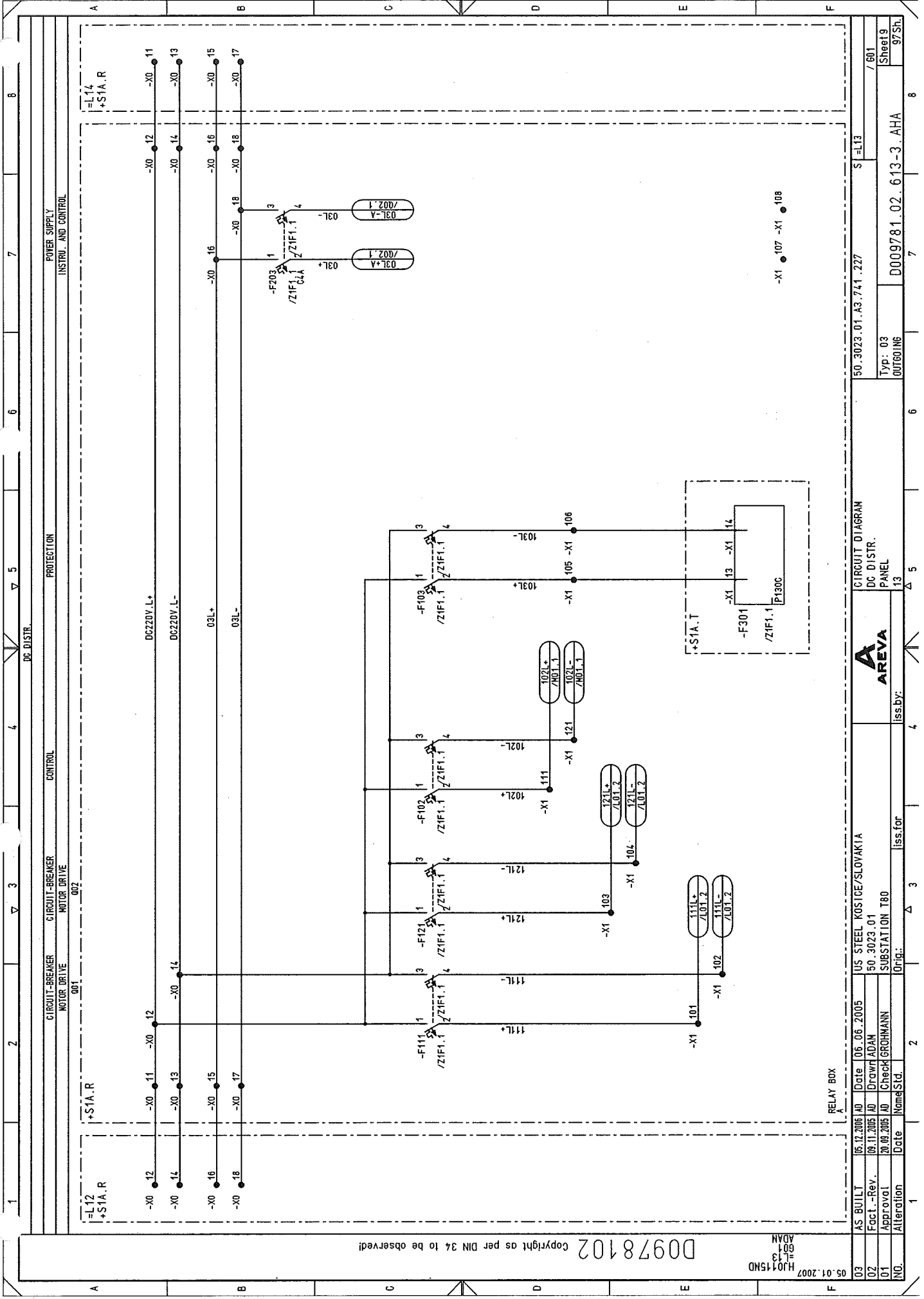
OUTGOING

D09781.02.613-3.AHA

Sheet 8

97 Sh.

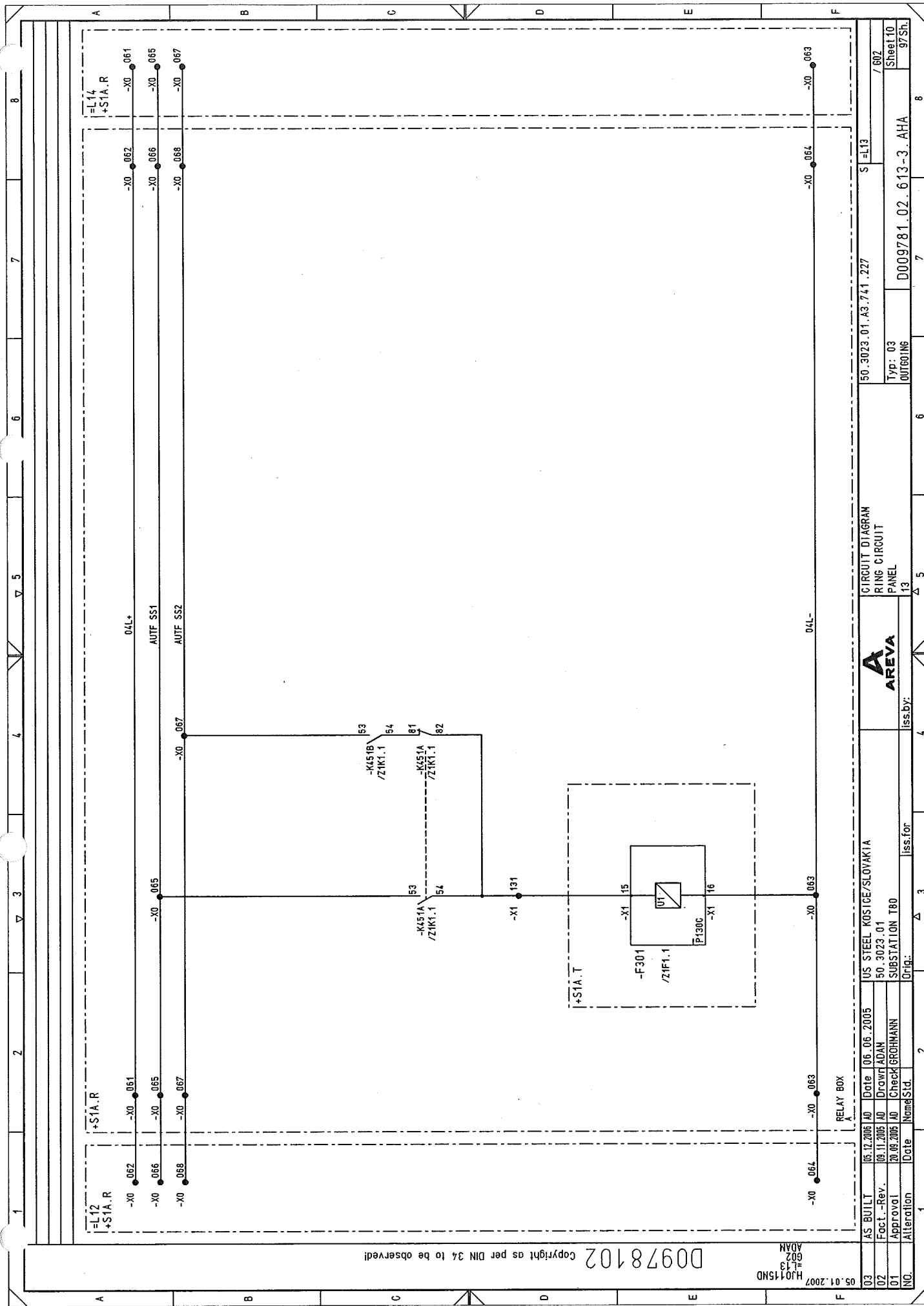
7/800



Copyright as per DIN 34 to be observed!

05.01.2007
HJ0115ND
601
ADAN

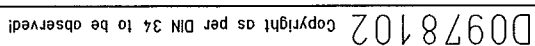
03	AS BUILT	05.12.2005	AD	Date	06.06.2005	US STEEL KOSTICE/SLOVAKIA	CIRCUIT DIAGRAM	50.3023.01.A3.741.227	S1=L13	/601
02	Fact.-Rev.	09.11.2005	AD	Drawn	ADAN	50.3023.01	DC DISTR.			Sheet 9
01	Approval	20.03.2005	AD	Check	GROHMANN	SUBSTATION T80	PANEL			97 Sh.
NO.	Alteration	Date	Name	Sid.	Iss. for	Iss. by:	13	D009781.02.613-3.AHA	Typ: 03	

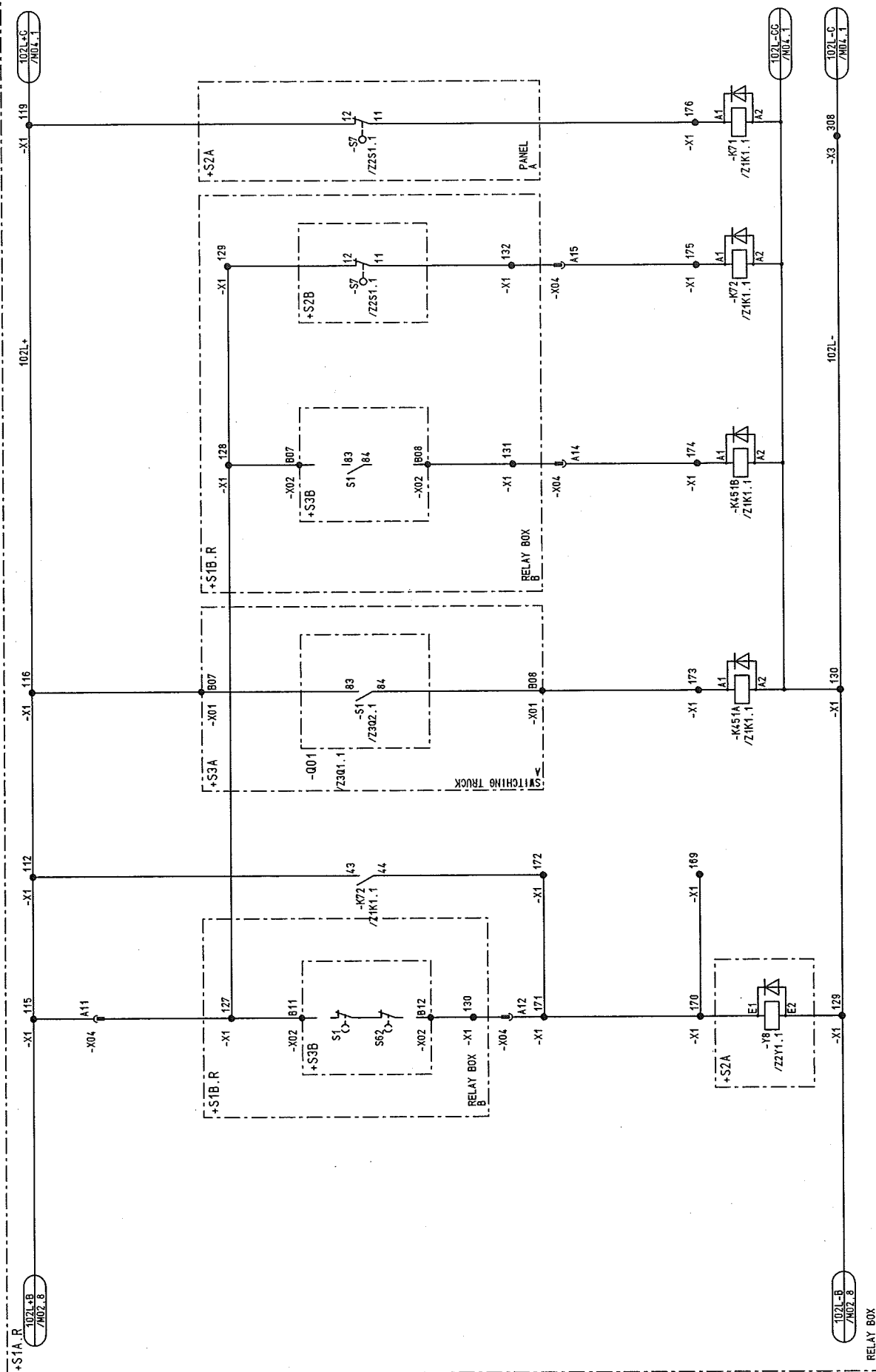
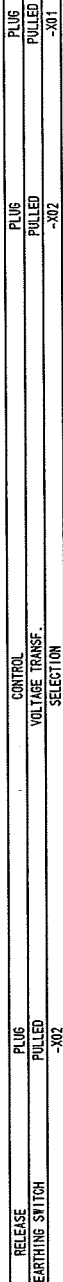


D0978102 Copyright as per DIN 34 to be observed

H0115ND
L13
ADAM

NO.		Alteration	Date	Name	Iss. for	Iss. by	CIRCUIT DIAGRAM		50.3023.01.A3.741.227		S=L13		/ 602		Sheet 10		97 Sh.	
03		AS BUILT	05.12.2005	AD	Date	05.06.2005	US STEEL KOSICE/SLOVAKIA		50.3023.01		S=L13		/ 602		Sheet 10		97 Sh.	
02		Fact. - Rev.	09.11.2005	AD	Drawn	ADAM	SUBSTATION T80		50.3023.01		S=L13		/ 602		Sheet 10		97 Sh.	
01		Approval	20.09.2005	AD	Check	GROHMANN	SUBSTATION T80		50.3023.01		S=L13		/ 602		Sheet 10		97 Sh.	
00		Alteration			Date		SUBSTATION T80		50.3023.01		S=L13		/ 602		Sheet 10		97 Sh.	

[illegible]



Copyright as per DIN 34 to be observed!

HJ0115ND
=L13
MO3
ADAN

[illegible]

Copyright as per DIN 34 to be observed!

007 HJ0145MD
NO.3
ADAN

D0978102

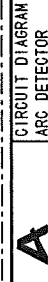
102L+ 102L- 102L-CC /F03.8

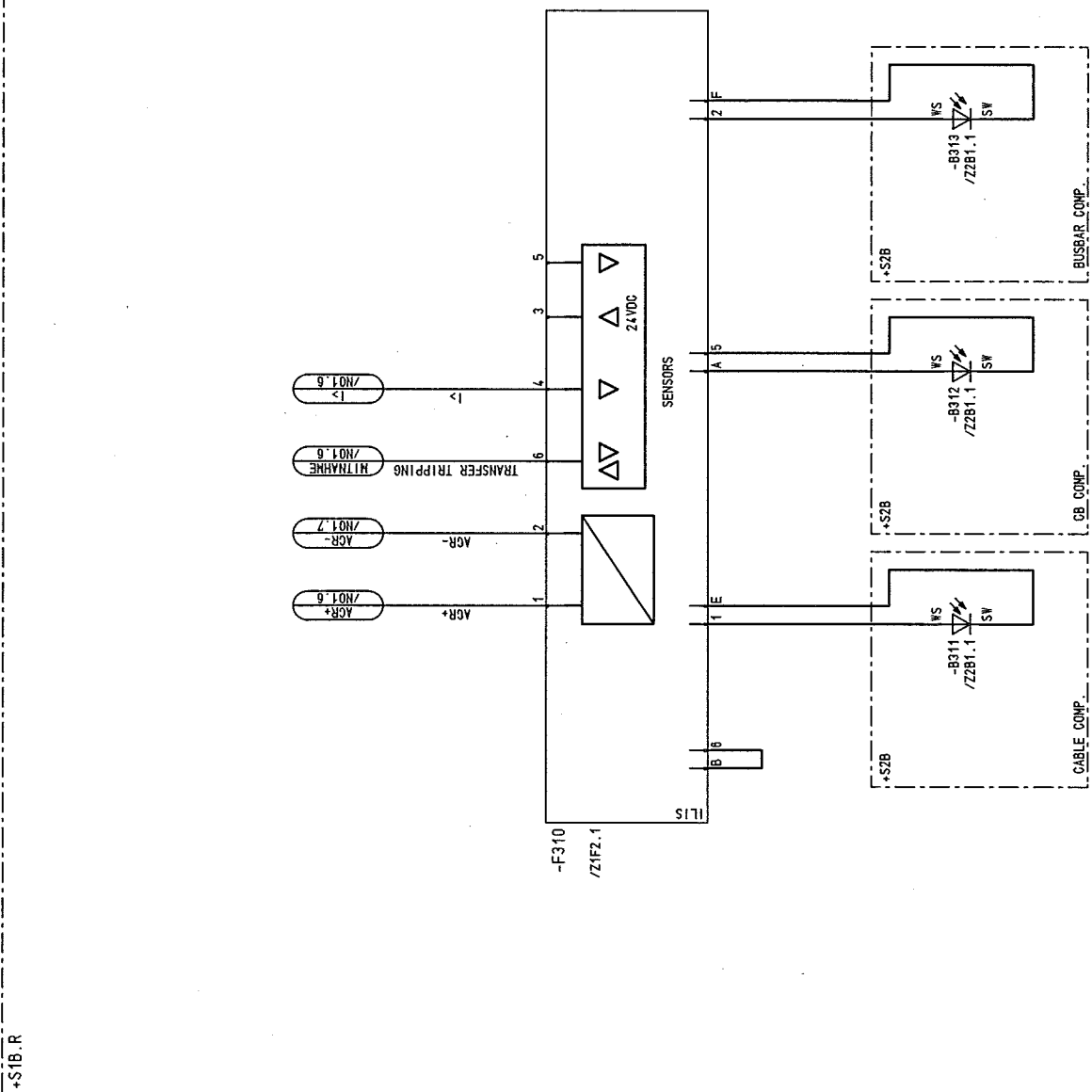
102L-0 /001.1



HJ0115ND
=L13
M05
ADAN

RELAY BOX





D0978102 Copyright as per DIN 34 to be observed!

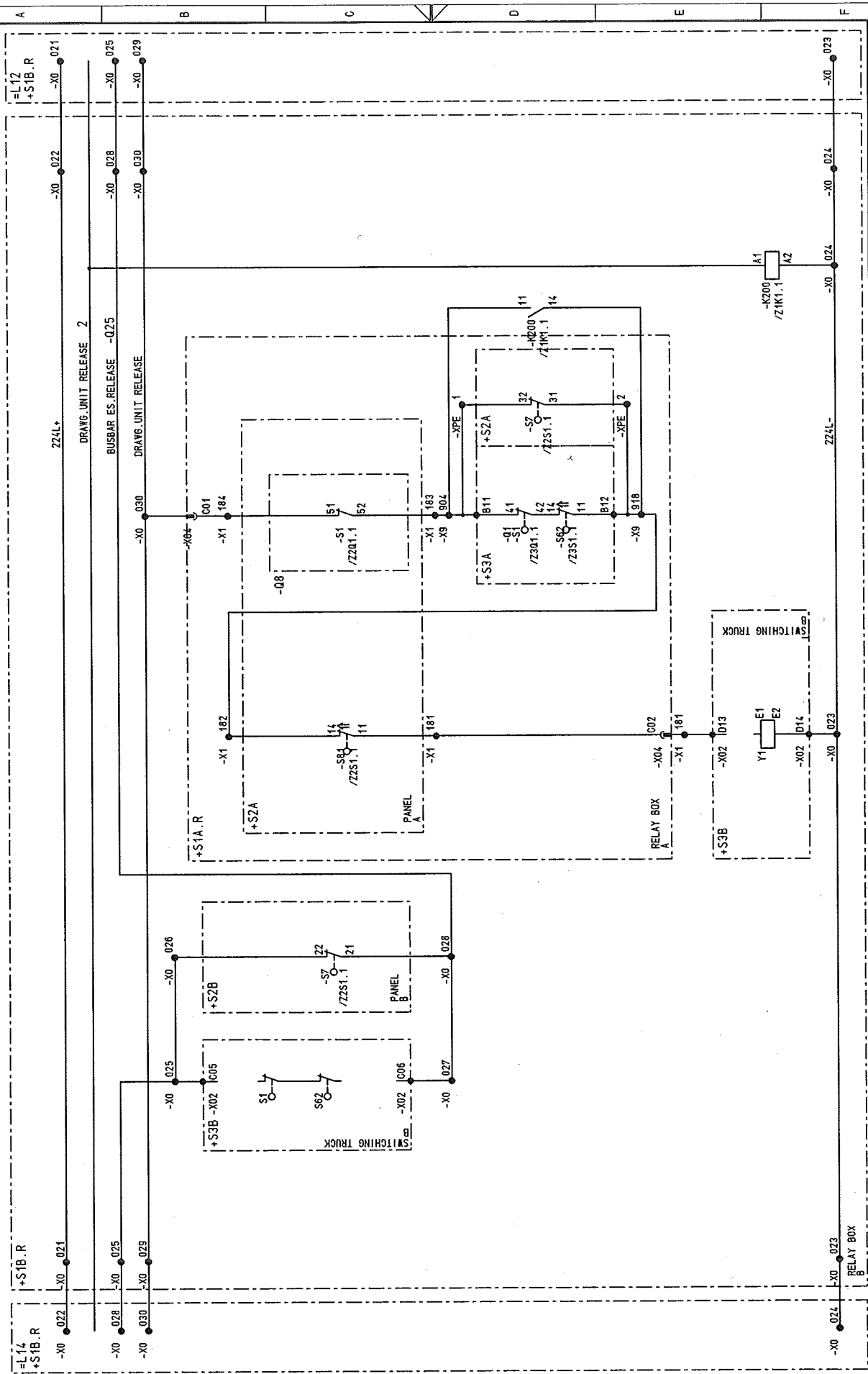
H10115MD
P02
ADAM

03	AS BUILT	05.12.2005	AD	Date	06.06.2005	US STEEL KOSICE/SLOVAKIA
02	Fact. - Rev.	09.11.2005	AD	Drawn	ADAM	50.3023.01
01	Approval	20.06.2005	AD	Check	GROHMANN	SUBSTATION T80
NO.	Alteration	Date	Name	Std.	Iss. for	Iss. by:



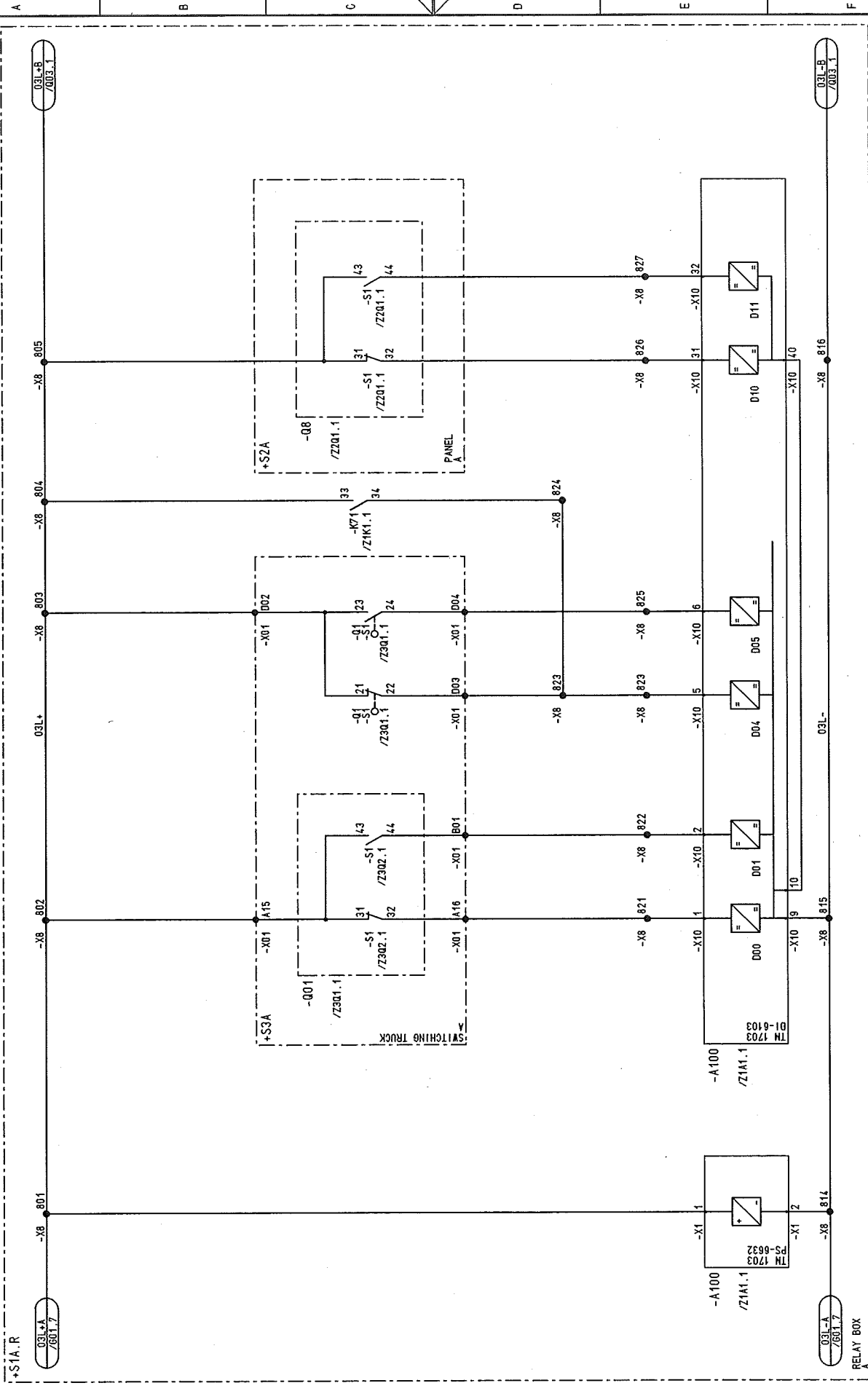
CIRCUIT DIAGRAM
INTERLOCK
PANEL

150.3023.01.A3.741.227	S	=L13	/ P02
Typ: 03	OUTGOING	D09781.02.613-3.AHA	Sheet 20
97Sh.			

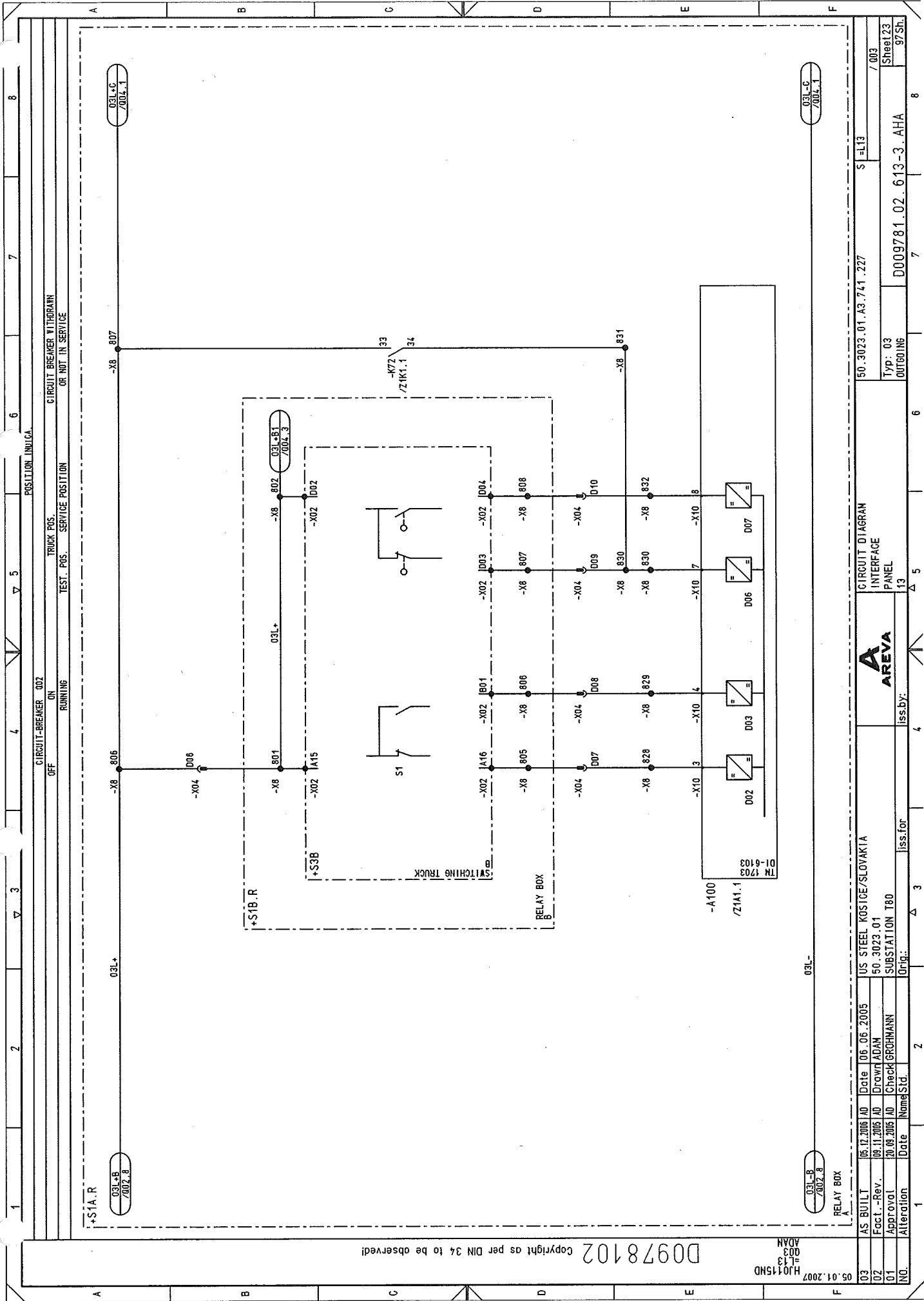


D0978102 Copyright as per DIN 34 to be observed!

05.01.2007
H0115ND
=13
ADAM



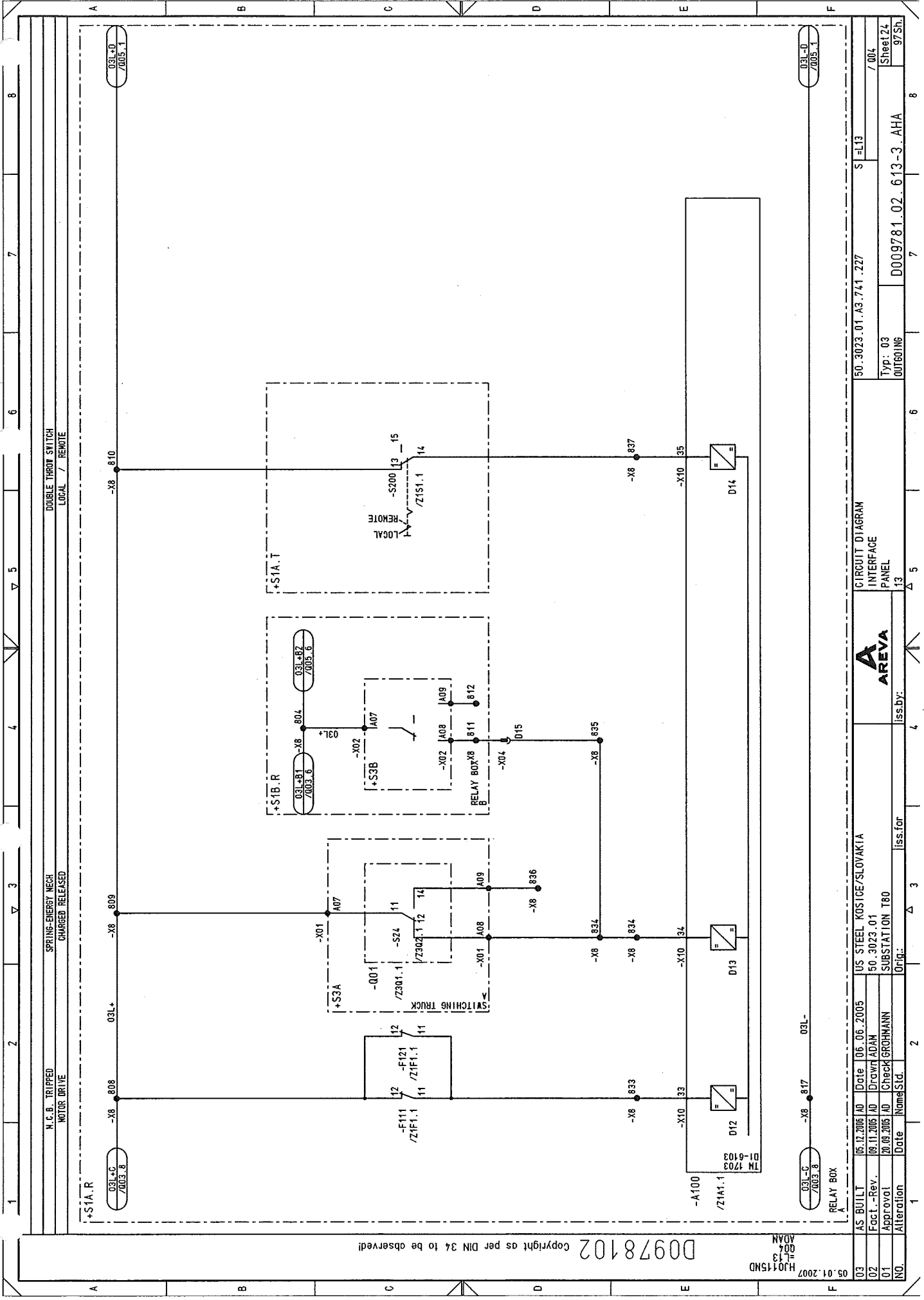
03		AS BUILT		05.12.2005	AD	Date	05.06.2005	US STEEL KOSICE/SLOVAKIA		CIRCUIT DIAGRAM		50.3023.01.A3.741.227		S=LI3		/ 002	
02		Fact. - Rev.		09.11.2005	AD	Drawn	ADAM	50.3023.01		INTERFACE							
01		Approval		20.09.2005	AD	Check	GROHMANN	SUBSTATION T80		PANEL				Type: 03		Sheet 22	
NO.		Alteration		Date	Name	Std.		Iss. for		Iss. by:		13		OUTGOING		975h.	
								1		4		6		7		8	
								2		3		5					
								3		4		6		7		8	
								4		5		7		8			
								5		6		8					
								6		7		8					
								7		8							
								8									
																</	



D0978102 Copyright as per DIN 34 to be observed!

H0115ND
03
003
ADAM

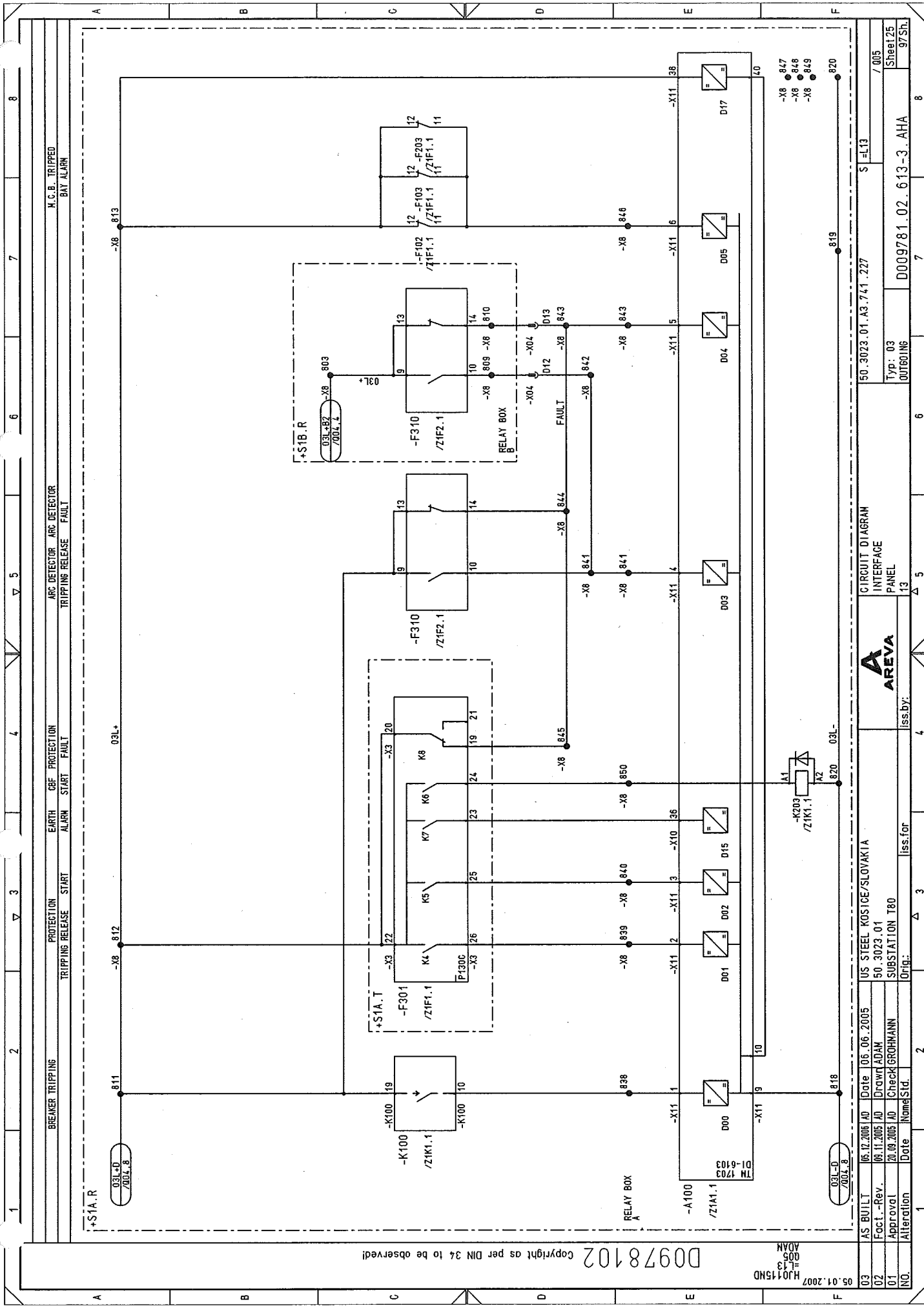
NO.		Alteration	Date	Name/Std.	Iss.for	Iss.by:	CIRCUIT DIAGRAM INTERFERENCE PANEL		50.3023.01.A3.741.227		S1 L13		/ 003		Sheet 23		97Sh.		D009781.02.613-3.AHA		7		8	
03	AS BUILT	05.12.2006	AD	Date	06.06.2005	US STEEL KOSICE/SLOVAKIA	CIRCUIT DIAGRAM INTERFERENCE PANEL		50.3023.01.A3.741.227		S1 L13		/ 003		Sheet 23		97Sh.		D009781.02.613-3.AHA		7		8	
02	Fact. - Rev.	09.11.2005	AD	Drawn	ADAM	50.3023.01	CIRCUIT DIAGRAM INTERFERENCE PANEL		50.3023.01.A3.741.227		S1 L13		/ 003		Sheet 23		97Sh.		D009781.02.613-3.AHA		7		8	
01	Approval	20.08.2005	AD	Check	GRCHMANN	SUBSTATION T80	CIRCUIT DIAGRAM INTERFERENCE PANEL		50.3023.01.A3.741.227		S1 L13		/ 003		Sheet 23		97Sh.		D009781.02.613-3.AHA		7		8	
NO.		Alteration	Date	Name/Std.	Iss.for	Iss.by:	CIRCUIT DIAGRAM INTERFERENCE PANEL		50.3023.01.A3.741.227		S1 L13		/ 003		Sheet 23		97Sh.		D009781.02.613-3.AHA		7		8	



D0978102 Copyright as per DIN 34 to be observed!

03.01.2007
H0115ND
004
ADAN

03	AS BUILT	05.12.2005	AD	Date	06.06.2005	US STEEL KOSICE/SLOVAKIA	CIRCUIT DIAGRAM	50.3023.01.A3.741.227	S1=L13	7/004
02	Fact. -Rev.	09.11.2005	AD	Drawn	ADAM	50.3023.01	INTERFACE			
01	Approval	20.03.2005	AD	Check	GROHMANN	SUBSTATION T80	PANEL			
NO.	Alteration	Date	Name	Sid.	Iss. for	Iss. by:	13	009781.02.613-3.AHA	Typ: 03	97Sh.
								OUTGOING		

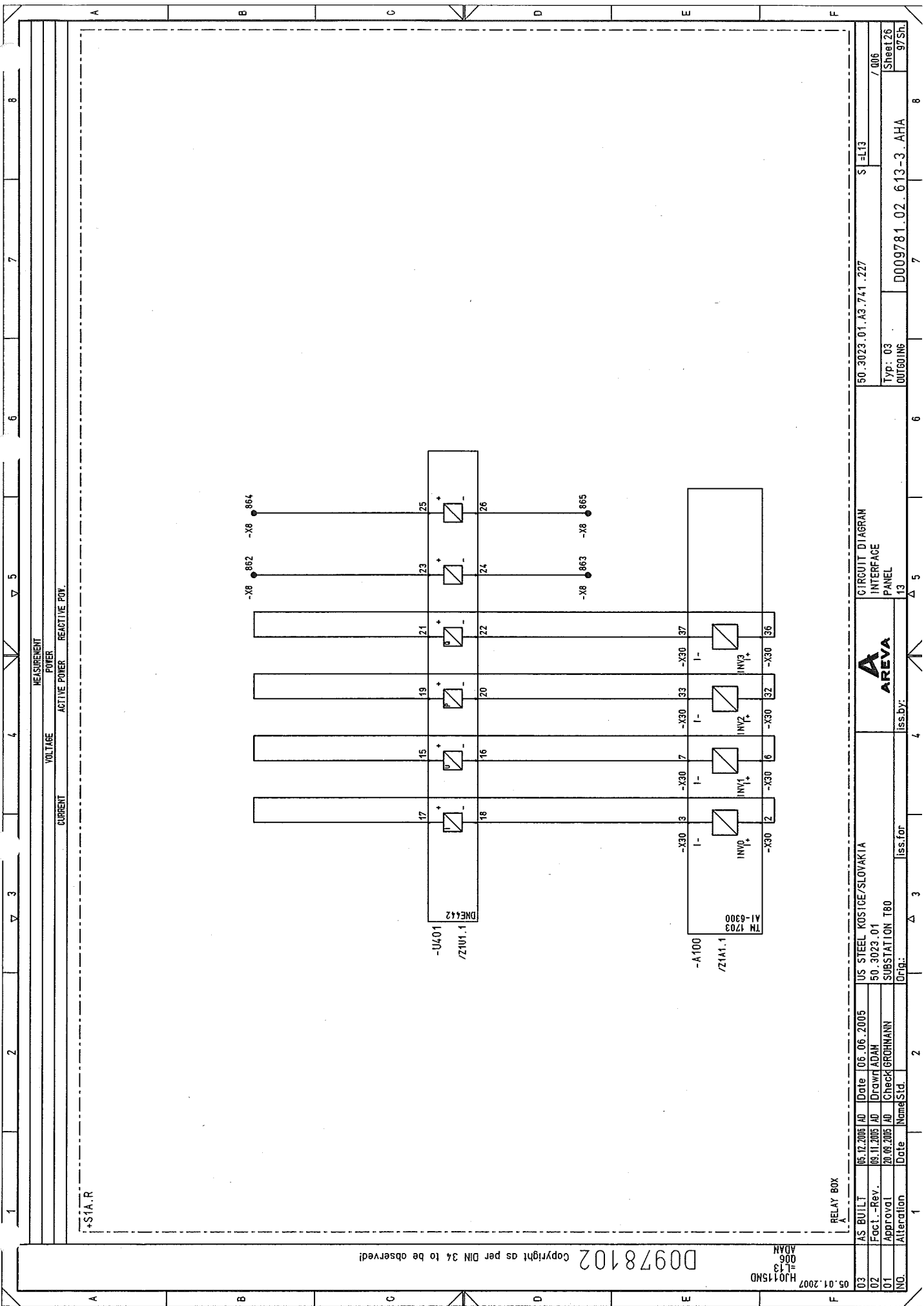


D0978102 Copyright as per DIN 34 to be observed!

05.01.2007
HJ0115ND
L13
005
ADAN

03	AS BUILT	05.12.2005	AD	Date	06.06.2005	US STEEL KOSTICE/SLOVAKIA	CIRCUIT DIAGRAM	50.3023.01.A3.741.227	S=L13	/005
02	Fact.-Rev.	09.11.2005	AD	Drawn	ADAM	50.3023.01	INTERFACE			
01	Approval	20.09.2005	AD	Check	GROHMANN	SUBSTATION T80	PANEL			
NO.	Alteration	Date	Name	Iss.	for	Iss.	by:			
1										
2										
3										
4										
5										
6										
7										
8										

Typ: 03
OUTGOING
D009781.02.613-3.AHA
Sheet 25
97Sh.



Copyright as per DIN 34 to be observed!

D00978102

HJ0115MD
=L13
006
ADAN

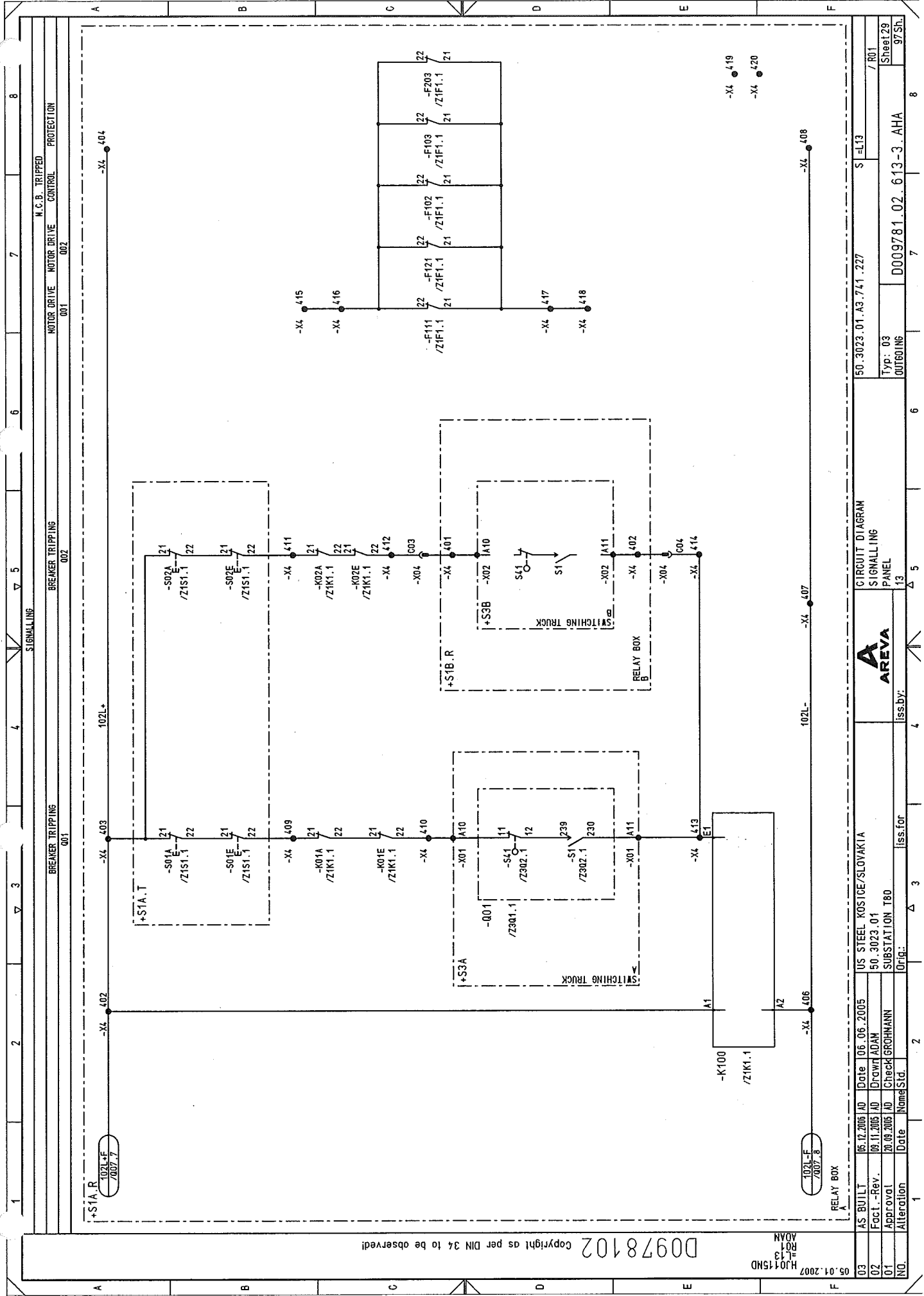
RELAY BOX

03	AS BUILT	05.12.2005	AD	Date	06.06.2005	US STEEL KOSICE/SLOVAKIA	CIRCUIT DIAGRAM	50.3023.01.A3.741.227	S1-L13	/ 006
02	Fact. -Rev.	09.11.2005	AD	Drawn	ADAN	50.3023.01	INTERFACE			
01	Approval	20.08.2005	AD	Check	GRÖHMANN	SUBSTATION T80	PANEL			
NO	Alteration	Date	Name	Sid.	Iss. for	Iss. by:	13	D009781.02.613-3.AHA	97Sh	

[illegible]



03	AS BUILT	05.12.2005	JD	Date	06.06.2005	US STEEL KOSICE/SLOVAKIA		CIRCUIT DIAGRAM	50.3023.01.43.741.227	S L13
02	Fact.-Rev.	09.11.2005	JD	Drawn	ADAM	50.3023.01		SPARE CONTACTS		
01	Approval	20.09.2005	JD	Check	GROHMANN	SUBSTATION T80		PANEL	Typ: 03 OUT601N6	Sheet 28 97Sh.
NO.	Alteration	Date	Name	Sd.		Orig:	iss for	iss by:	13	0009781.02.613-3.AHA

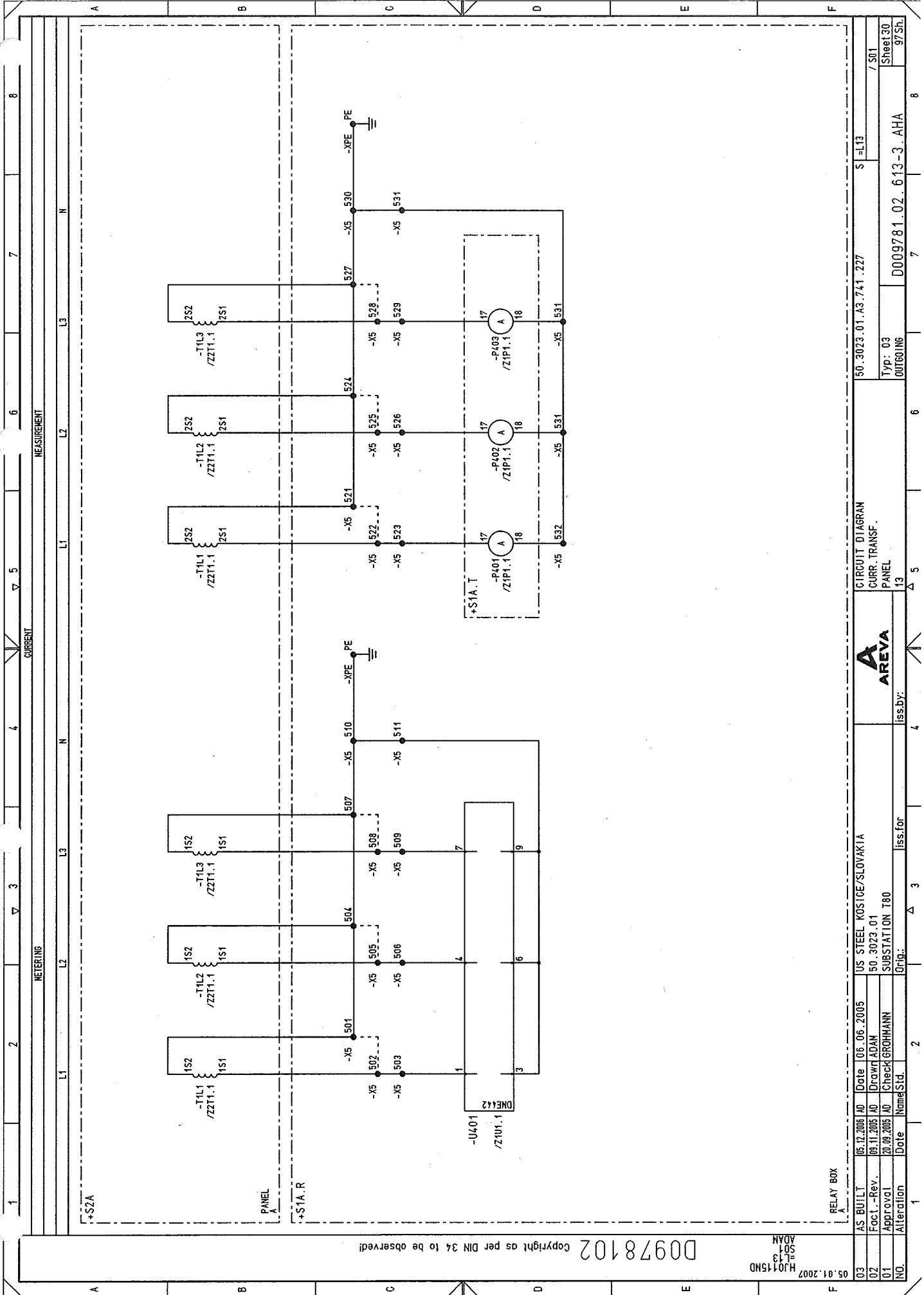


D0978102 Copyright as per DIN 34 to be observed!

H10115ND
R13
ADAN

03	AS BUILT	05.12.2005	AD	Date	06.06.2005	US STEEL KOSICE/SLOVAKIA	CIRCUIT DIAGRAM	150.3023.01.A3.741.227	S	-L13	/R01
02	Fact. - Rev.	09.11.2005	AD	Drawn	ADAM	50.3023.01	SIGNALING				Sheet 29
01	Approval	20.09.2005	AD	Check	GROHMANN	SUBSTATION T80	PANEL				97 Sh.
NO.	Alteration	Date	Name	Sid.	Iss. for	Iss. by:					
1											
2											
3											
4											
5											
6											
7											
8											

Typ: 03
OUTGOING
D09781.02.613-3.AHA

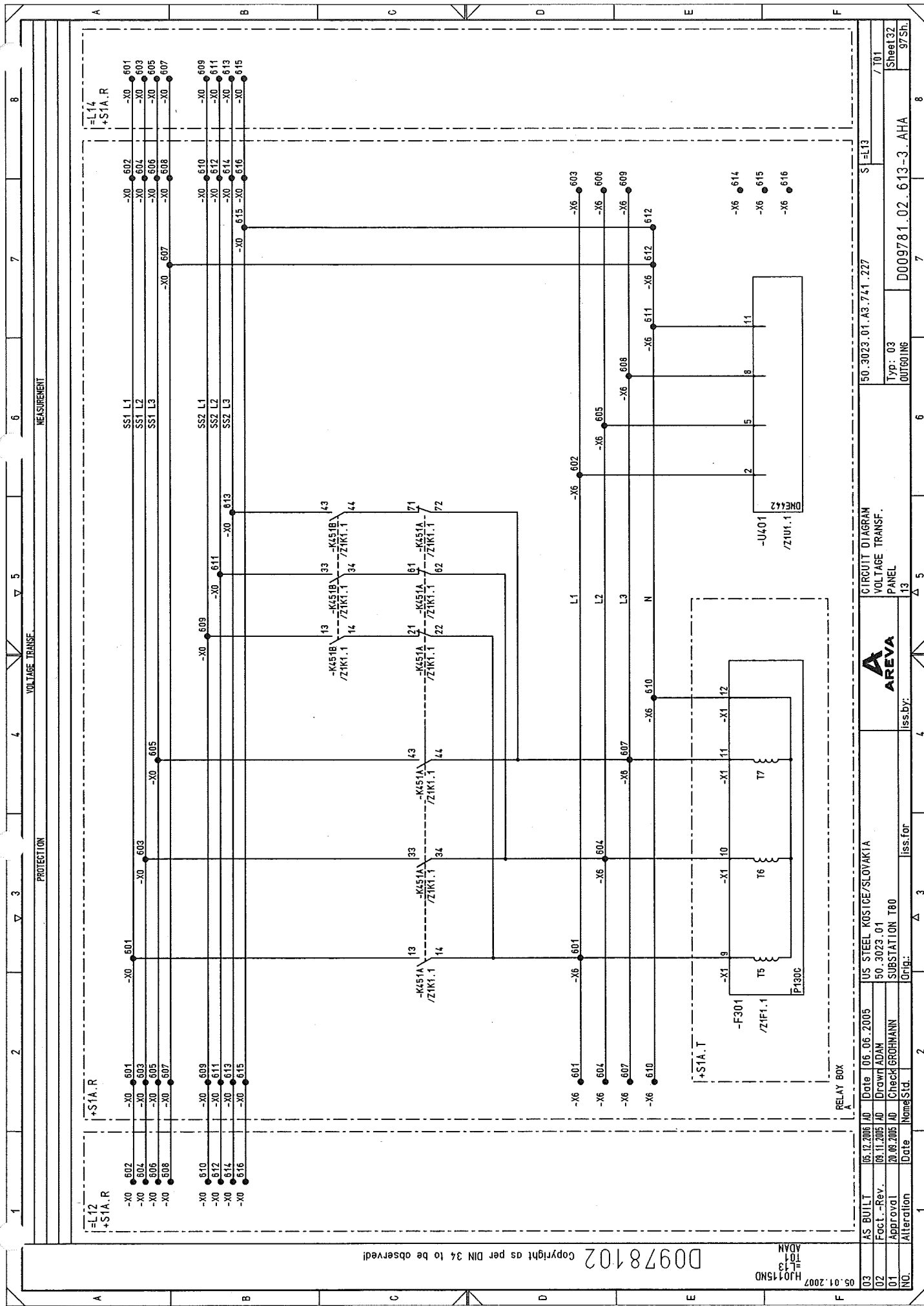


NO.		Alteration	Date	Name	Std.	Iss. for	Iss. by:	US STEEL KOSICE/SLOVAKIA		CIRCUIT DIAGRAM		50.3023.01.A3.741.227		S1.L13		7.501	
03	AS BUILT	05.12.2005	AD	05.06.2005						CURR. TRANSF.							
02	Fact. - Rev.	09.11.2005	AD	Drawn ADAM						PANEL							
01	Approval	20.09.2005	AD	Check GROHMANN						13							
D0978102		Date		Name		Std.		Iss. for		Iss. by:		D09781.02.613-3.AHA		7.501		Sheet 30	

D0978102 Copyright as per DIN 34 to be observed

H10115ND
L13
S01
ADAM

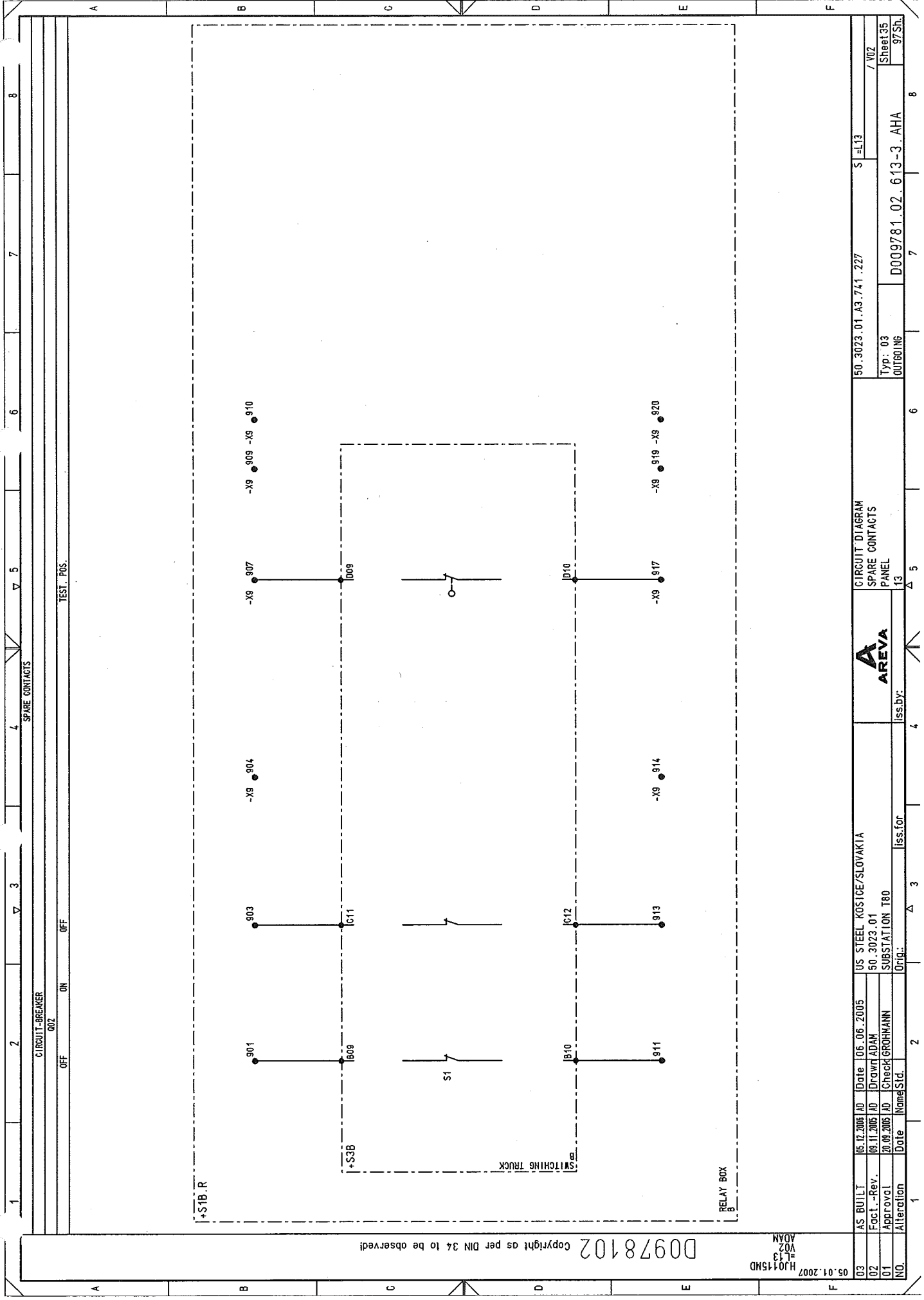
RELAY BOX



Copyright as per DIN 34 to be observed!

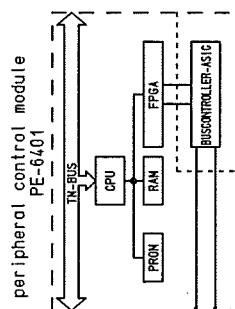
03.01.2007
H10115ND
101
ADAM

AS BUILT		05.12.2005	AD	Date	05.06.2005	US STEEL KOSICE/SLOVAKIA	CIRCUIT DIAGRAM		50.3023.01.A3.741.227	S1=L13		/ 101	
Fact. - Rev.		09.11.2005	AD	Drawn	ADAM	50.3023.01	VOLTAGE TRANSF.					Sheet 32	
Approval		20.09.2005	AD	Check	GROHMANN	SUBSTATION T80	PANEL					97 Sh.	
Alteration				Date			Iss by:					D009781.02.613-3. AHA	
				Name	Sid		Iss for						

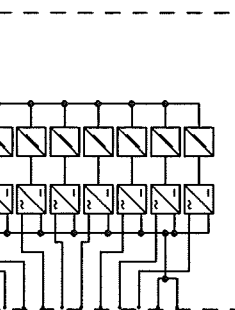


03	AS BUILT	06.12.2005	AD	Date	06.06.2005	US STEEL KOSTICE/SLOVAKIA	 AREVA	LIST OF EQUIPMENT		50_3023_01_A3_741_227		S=L13
02	Fact.-Rev.	09.11.2005	AD	Drawn	ADAM	50_3023_01			PANEL		Type: 03	Sheet 37
11	Approval	20.09.2005	AD	Check	GROHMANN	SUBSTATION T80			13		OUTGOING	D009781_02_613-3_AHA
10	Alteration			Date	Name	Std.			Iss. for			97St.
								Orig.				

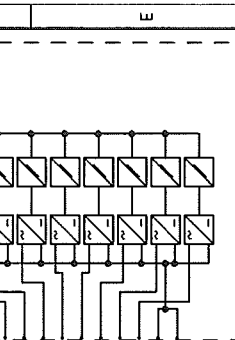
APP. REF.	STATUS	+SIA.R	MEANING
/ZJAL.1		APPA. DES16 -X100	
REF.		PIN -X6	
			Ax PE-Bus
			Ax X01.3
			Ax PE-Bus
			Ax X01.3



IN D10	/0002.6
IN D11	/0002.7
IN D12	/0004.2
IN D13	/0004.3
IN D14	/0004.6
IN D15	/0005.3
IN D16	
IN D17	
AUX $\Psi_{-} (+)$	
AUX $\Psi_{+} (+)$	/0002.6



		.
IN D10		.
IN D11		.
IN D12		.
IN D13		.
IN D14		.
IN D15		.
IN D16		.
IN D17		/Q005 .8
AUX Y ₋ (+)		
AUX Y ₋ (+)		/Q005 .8

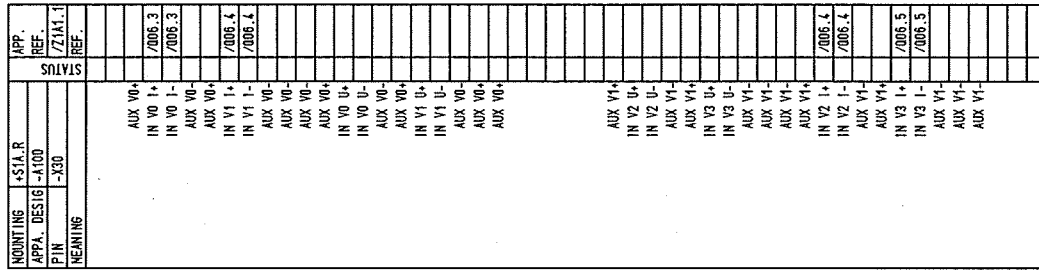
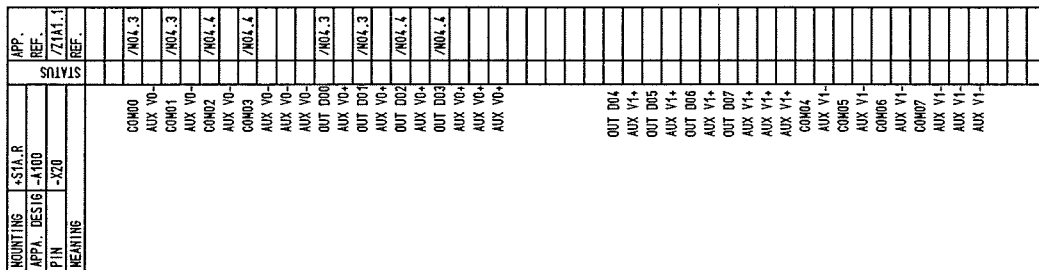


023	AS BUILT	06.12.2005	AD	Date	06.06.2005	US STEEL KOSICE/SLOVAKIA		LIST OF EQUIPMENT		50.3023.01.A3.741.227	S = 13
022	Fact. - Rev.	09.11.2005	AD	Drawn	ADAM	50.3023.01		PANEL		Type: 03	OUTGOING
01	Approval	20.09.2005	AD	Check	GROHMANN	SUBSTATION T80	iss.by:		D009781.02.613-3.AHA		
010	Alteration	Date	Name	Std.		Orig.:	iss. for		975h		

D00978102 Copyright as per DIN 34 to be observed!

H0115ND
L13
Z1A1
ADAN

03	AS BUILT	05.12.2006	AD	Date	06.06.2005	US STEEL KOSICE/SLOVAKIA	LIST OF EQUIPMENT	50.3023.01.A3.741.227	S1=L13	7 Z1A11
02	Fact.-Rev.	09.11.2005	AD	Drawn	ADAM	50.3023.01				Sheet 39
01	Approval	20.09.2005	AD	Check	GROHMANN	SUBSTATION T80				97Sh
NO.	Alteration	Date	Name	Sid.	Iss. for	Iss. by:	PANEL 13	D009781.02.613-3.AHA	Typ: 03	
1				2	3	4	5	6	7	8



1	2	3	4	5	6	7	8
STOCK- TITY	DESCRIPTION, DESIGN, TECHNICAL DATA APPLICATION	MANUFACTURER, TYPE, ORDERING DATA SETTINGS MOUNTING APPA. DESIG.	APPARATUS SYMBOL DIAGRAM REFERENCE TO INDIVIDUAL TREATMENT (CIRCUIT DIAGRAM, SHEET NO., CIRCUIT NO.)	WITH REFERENCES TO DETAILS (CIRCUIT DIAGRAM, SHEET NO., CIRCUIT NO.)			
2	M.C.B. AUXILIARY SWITCH HH	MANUF.: GE POWER CONTROLS PO NO.: 566311 TYPE EP102 UC 86					
1	RATED CURRENT : 6A AUXILIARY SWITCH	CHARACTERISTIC : B TYPE CB SH/HH-R ORDER NO 672570					
	APPLICATION : CONTROL	SETTINGS : MOUNTING : -F102					
	PROTECTION	BTN IDENTIFIER : -F103					
2	M.C.B. AUXILIARY SWITCH HH	MANUF.: GE POWER CONTROLS PO NO.: 566336 TYPE EP102 UC 00.5					
1	RATED CURRENT : 0.5A AUXILIARY SWITCH	CHARACTERISTIC : C TYPE CB SH/HH-R ORDER NO 672570					
	APPLICATION : MOTOR DRIVE	SETTINGS : MOUNTING : -F111					
	PROTECTION	BTN IDENTIFIER : -F121					
1	M.C.B. AUXILIARY SWITCH HH	MANUF.: AREVA PO NO.: MICON P130-98903020-401-301 TYPE P130C	<p>REFERENCES FOR GROUP REPRES. IN CIRCUIT DIAGRAM</p> <p>REFERENCES TO SEP. DOCUMENTS WITH DETAILS OF REPRES.</p> <p>REFERENCES FOR REPRES. OF APPLIANCE CONNECTIONS</p>				
	RATED CURRENT : 1/5 AUXILIARY SWITCH	CHARACTERISTIC : C TYPE CB SH/HH-R ORDER NO 672570					
	APPLICATION : MOTOR DRIVE	SETTINGS : MOUNTING : -F111					
	PROTECTION	BTN IDENTIFIER : -F121					
1	M.C.B. AUXILIARY SWITCH HH	MANUF.: MOELLER PO NO.: TYPE C 4A					
1	RATED CURRENT : 4A AUXILIARY SWITCH	CHARACTERISTIC : C TYPE CB SH/HH-R ORDER NO					
	APPLICATION : SIGNALING	SETTINGS : MOUNTING : -F203					
	PROTECTION	BTN IDENTIFIER : -F203					

Copyright as per DIN 34 to be observed!

05.01.2007
H01145ND
Z1F1
ADAM

03	AS BUILT	05.12.2005 AD	Date	06.06.2005	US STEEL KOSICE/SLOVAKIA	LIST OF EQUIPMENT	50.3023.01.A3.741.227	S	L13	7/21F1
02	Fact. - Rev.	09.11.2005 AD	Drawn	ADAM	50.3023.01	PANEL	OUTGOING	Typ: 03	D009781.02.613-3. AHA	Sheet 40
01	Approval	20.09.2005 AD	Check	GROHMANN	SUBSTATION T80	13	iss.by:	iss.for	7	97Sh.
NO	Alteration	Date	Name/Sid	2	3	4	5	6	7	8

003	AS BUILT	05.12.2006	AD	Date	05.06.2005	US STEEL KOSICE/SLOVAKIA		LIST OF EQUIPMENT			50_3023_01_A3_74_1_227		S = L13		
002	Fact - Rev.	09.11.2005	AD	Drawn	ADAM	50_3023_01									
001	Approval	20.09.2005	AD	Checked	GRIMMANN	SUBSTATION T80									
N01	Alteration	Date	Name	Std.	Orig.	Iss. for	Iss. by:				D009781.02_613-3_AHA		Sheet L1	97/5h	

GEHÄUSE
SCHUTZERDUNG


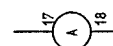
PE

03	AS BUILT	06.12.2005 AD	Date	06.06.2005	US STEEL KOSICE/SLOVAKIA	 AREVA	LIST OF EQUIPMENT		50_3023.01.A3.741.227	S=13	/ ZIF11
02	Fact.-Rev.	06.11.2005 AD	Drawn ADAM	50_3023_01							
01	Approval	20.09.2005 AD	Checked GROHMANN		SUBSTATION T80		PANEL	Type: 03			
NO.	Alteration	Date	Name/Sid.		Orig.:		iss.for	iss.by:	13	D009781.02_613-3_AHA	97Sh.

03	AS BUILT	05.12.2005	AD	Date	06.06.2005	US STEEL KOSICE/SLOVAKIA	 AREVA	LIST OF EQUIPMENT	50.3023.01.A3.741.227	S = L13		
02	Fact.-Rev.	09.11.2005	AD	Draught ADAM	50.3023.01	PANEL					TYP.: 03	Sheet 43
01	Approval	20.09.2005	AD	CHECK GROHMANN	SUBSTATION T80							
NO.	Alteration	Date	Name/Sid.	Orig.:			13					

3	AS BUILT	06.12.2005	AD	Date	06.06.2005	US STEEL KOSTICE/SLOVAKIA		LIST OF EQUIPMENT	50_3023_01_A3.741_227	S = L13
2	Fact. - Rev.	06.11.2005	AD	Drawn	ADAM	50_3023_01				
1	Approval	20.09.2005	AD	Check	GROHMANN	SUBSTITUTION T80				
1	Alteration	Date	Named	Iss. for	iss. by:	Orig.:		PANEL 13	Typ.: 03 OUTGOING	D009781.02_613-3_AHA 97Sh.

03	AS BUILT	05.12.2005	AD	Date	06.06.2005	US STEEL KOSICE/SLOVAKIA	 AREVA	LIST OF EQUIPMENT		50.3023.01.A3.741.227	\$ L13	
02	Fact. - Rev.	09.11.2005	AD	Drawn	ADAM	50.3023.01						
01	Approval	20.09.2005	AD	Checked	GROHMANN	SUBSTATION T80		PANEL	Type: 03	OUT601NG	Sheet 45	/ ZIK1
NO.	Alteration	Date	Name	Std.		Orig.:		iss.by:	iss.for		D009781.02.613-3.AHA	97Sh.

1	2	3	4	5	6	7	8
STUCK-TITTY	DESCRIPTION, DESIGN, TECHNICAL DATA	MANUFACTURER, TYPE, ORDERING DATA	APPARATUS SYMBOL DIAGRAM	REFERENCE TO DETAILS	WITH REFERENCES TO DETAILS		
APPLICATION	SETTINGS	MOUNTING	REFERENCE TO INDIVIDUAL TREATMENT	(CIRCUIT DIAGRAM, SHEET NO., CIRCUIT NO.)			
1	MEAS. UNIT BIMETALLIC AMMETER SCALE: MEASUREMENT VARIABLE: 1A TECHNICAL COMPONENTS	MANUF.: WEIGEL PO NO.: 20% OVERLOAD TRANSFORMER CONNECTION 3A/1A TYPE ORDER NO	TYPE B1072K TRANSFORMER CONNECTION 3A/1A TYPE E072K				
2	MEAS. UNIT MOVING-IRON AMMETER SCALE: MEASUREMENT VARIABLE: 1A TECHNICAL COMPONENTS	MANUF.: WEIGEL PO NO.: 100 % OVERLOAD TRANSFORMER CONNECTION 3A/1A TYPE ORDER NO	TYPE E072K TRANSFORMER CONNECTION 3A/1A TYPE E072K				
	APPLICATION CURRENT MEAS L2	SETTINGS	MOUNTING -STA.T	SYM IDENTIFIER -P402			
	MEAS. UNIT MOVING-IRON AMMETER SCALE: MEASUREMENT VARIABLE: 1A TECHNICAL COMPONENTS	MANUF.: WEIGEL PO NO.: 100 % OVERLOAD TRANSFORMER CONNECTION 3A/1A TYPE ORDER NO	TYPE E072K TRANSFORMER CONNECTION 3A/1A TYPE E072K				
	APPLICATION CURRENT MEAS L1	SETTINGS	MOUNTING -STA.T	SYM IDENTIFIER -P401			
	CURRENT MEAS L3						

Copyright as per DIN 34 to be observed!

00978102

05.01.2007
HJ015ND
Z1P1
ADAN

03	AS BUILT	05.12.2005	AD	Date	05.06.2005	US STEEL KOSICE/SLOVAKIA	LIST OF EQUIPMENT	50.3023.01.A3.741.227	S1=L13	77P1
02	Fact.-Rev.	09.11.2005	AD	Drawn	ADAN	50.3023.01				
01	Approval	20.09.2005	AD	Check	GROHMANN	SUBSTATION T80				
NO.	Alteration	Date	Name	Std.	Iss.	for	Iss.	by:		

Typ: 03

OUT60 N6

D009781.02.613-3.AHA

Sheet 46

97 Sh.

1	2	3	4	5	6	7	8
STOCK-TY	DESCRIPTION, DESIGN, TECHNICAL DATA APPLICATION	MANUFACTURER, TYPE, ORDERING DATA MOUNTING	APPARATUS SYMBOL DIAGRAM REFERENCE TO INDIVIDUAL TREATMENT (CIRCUIT DIAGRAM, SHEET NO., CIRCUIT NO.)	WITH REFERENCES TO DETAILS			
2	MANUF.: Schneider Electric PO NO.: RED-BUTTON OFF RED-AND-WHITE CIRCLE SWITCHING CONTACTS : 2S, 10 CONTACT SEQUENCE : TECHNICAL COMMENTS : RED-AND-WHITE CIRCLE S071457 FIXING FLANGE S071460 AUXIL SWITCH (NO) S071461 AUXIL SWITCH (NC) S071462	TYPE HARMONY Style 5 MOUNTING : SETTINGS : CIRCUIT-BREAKER OFF CIRCUIT-BREAKER OFF BTH IDENTIFIER : -S01A -S02A					
2	MANUF.: Schneider Electric PO NO.: PUSHBUTTON ON GREEN-AND-WHITE BAR SWITCHING CONTACTS : 2S 10 CONTACT SEQUENCE : TECHNICAL COMMENTS : GREEN-AND-WHITE BAR S071458 FIXING FLANGE S071460 AUXIL SWITCH (NO) S071461 AUXIL SWITCH (NC) S071462	TYPE HARMONY Style 5 MOUNTING : SETTINGS : CIRCUIT-BREAKER OFF CIRCUIT-BREAKER OFF BTH IDENTIFIER : -S01A -S02A					
1	MANUF.: SONTHEIMER PO NO.: SWITCH INSCRIPTION: 1=LOCAL 2=REMOTE SWITCHING CONTACTS : 4 POSITIONS : 2 TECHNICAL COMMENTS :	TYPE W54/82M/NS-TI.0511+T MOUNTING : SETTINGS : CIRCUIT-BREAKER ON CIRCUIT-BREAKER ON BTH IDENTIFIER : -S01E -S02E					
	APPLICATION : DOUBLE THROW SWITCH LOCAL/OFF/REMOTE	BTH IDENTIFIER : -S200					

Copyright as per DIN 34 to be observed

03.01.2007
HJ0115ND
Z151
ADAM

03	AS BUILT	05.12.2005	AD	Date	05.06.2005	US STEEL KOSICE/SLOVAKIA
02	Fact.-Rev.	09.11.2005	AD	Drawn	ADAM	50.3023.01
01	Approval	20.09.2005	AD	Check	GROHMANN	SUBSTATION T80
NO.	Alteration	Date	Name	Sid.	Orig.	Iss for

LIST OF EQUIPMENT		50.3023.01.A3.74.1.227	S1=L13
PANEL		13	4 5
Iss by:			
Type: 03		D009781.02.613-3. AHA	
OUTLINE		97Sh.	

Sheet 47
97Sh.

D0978102 Copyright as per DIN 34 to be observed!

05.01.2007
HJ0115ND
ZNU1
ADAM

03	AS BUILT	05.12.2005	AD	Date	06.06.2005	US STEEL KOSICE/SLOVAKIA	50.3023.01	LIST OF EQUIPMENT	50.3023.01.A3.741.227	S1=L13	7/2101
02	Fact.-Rev.	09.11.2005	AD	Drawn	ADAM	50.3023.01					
01	Approval	20.09.2005	AD	Check	GROHMANN	SUBSTATION T80					Sheet 48
NO.	Alteration	Date	Drawn	Issd.	for	Issd.	by				97Sh.

1	2	3	4	5	6	7	8
STOCK-TY	DESCRIPTION, DESIGN, TECHNICAL DATA	MANUFACTURER, TYPE, ORDERING DATA	APPARATUS SYMBOL DIAGRAM	WITH REFERENCES TO DETAILS	REFERENCE TO INDIVIDUAL TREATMENT	(CIRCUIT DIAGRAM, SHEET NO., CIRCUIT NO.)	REMARK
1	TRANSUDUCER PROGRAMMIERBARER MULTI-MESSUMFORMER INPUT : TECHNICAL COMPONENTS : OUTPUT : TYPE : ORDER NO :	MANUF.: GUSSEN PO NO.: TYPE SINEAX DME424/442	TYPE SINEAX DME424/442	APPARATUS SYMBOL DIAGRAM	REFERENCE TO INDIVIDUAL TREATMENT	(CIRCUIT DIAGRAM, SHEET NO., CIRCUIT NO.)	REMARK
APPLIFICATION : MULTIFUNCTION : CONVERTER : SETTINGS : MOUNTING : BITM IDENTIFIER : -U4.01							

33	AS BUILT	06.12.2005	AD	Date	06.06.2005	US STEEL KOSICE/SLOVAKIA		LIST OF EQUIPMENT		50_3023_01_A3_747_227	S = L13	
32	Fact.-Rev.	08.11.2005	AD	DRAWN ADAM	50_3023_01							
31	Approval	20.09.2005	AD	Checked GROMMANN	SUBSTATION T80			PANEL	Typ: 03			Sheet 49
NO.	Alteration	Date	Name	Std.	Orig.			Iss. by:	13		D009781.02_613-3_AHA	97/ST

33	AS BUILT	06.12.2005	AD	Date	06.06.2005	US STEEL KOSICE/SLOVAKIA		LIST OF EQUIPMENT		50_3023_01_A3_74_227	S=L13
32	Fact.-Rev.	09.11.2005	AD	Drown ADAM	50_3023_01						
22	Approval	20.09.2005	AD	CHECK GROHMANN	SUBSTATION T80			PANEL	Type: 03	0009781.02.613-3_AHA	Sheet 50
10	Alteration	Date	Name	Sid.	Orig.	Iss for	Iss by:	13	0009781.02.613-3_AHA	9750	ZD01

D0978102 Copyright as per DIN 34 to be observed!

05.01.2007
HJ0115ND
Z2P1
ADAM

03	AS BUILT	05.12.2005	AD	Date	05.06.2005	US STEEL KOSICE/SLOVAKIA	LIST OF EQUIPMENT	50.3023.01.A3.741.227	S1=L13	7 Z2P1
02	Fact.-Rev.	09.11.2005	AD	Drawn	ADAM	50.3023.01				
01	Approval	20.03.2005	AD	Check	GROHMANN	SUBSTATION T80	PANEL	Typ: 03	D009781.02.613-3.AHA	Sheet 51
NO.	Alteration	Date	Name	Sid.	Orig.	Iss.for	Iss.by:	OUTGOING		97 Sh.

1	2	3	4	5	6	7	8
STÜCK- TITEL	DESCRIPTION, DESIGN, TECHNICAL DATA APPLICATION	SETTINGS	MANUFACTURER, TYPE, ORDERING DATA MOUNTING	APPA. DESIG.	APPARATUS SYMBOL DIAGRAM REFERENCE TO INDIVIDUAL TREATMENT (CIRCUIT DIAGRAM, SHEET NO., CIRCUIT NO.)	WITH REFERENCES TO DETAILS	REMARK
1	INDICATOR INTELLIGENT	MANUF.: AREVA Sachsenwerk PO NO.: VOLT	TYPE IVIS INFORMATION SYSTEM				
TECHNICAL COMPONENTS		TYP	ORDER NO				
APPLICATION IVIS	SETTINGS	MOUNTING +S2A	BTN IDENTIFIER -P100				
		SW	WS	BL	PE1	PE2	

[illegible]

[illegible]

D0978102 Copyright as per DIN 34 to be observed

H20115ND
Z21
ADAM

1	2	3	4	5	6	7	8
STÜCK- TITEL	DESCRIPTION, DESIGN, TECHNICAL DATA APPLICATION	MANUFACTURER, TYPE, ORDERING DATA MOUNTING APPA. DESIG.	APPARATUS SYMBOL DIAGRAM REFERENCE TO INDIVIDUAL TREATMENT (CIRCUIT DIAGRAM, SHEET NO., CIRCUIT NO.)	WITH REFERENCES TO DETAILS			
3	CURR. TRANSF. 2500/11/11/1A	MANUF.: AEG PO NO.:	TYPE CT12				
TECHNICAL COMPONENTS		TYP	ORDER NO				
APPLICATION		SETTINGS	MOUNTING	BYN IDENTIFIER			
CURR. TRANSF. L1			*S2A	-T1L1			
CURR. TRANSF. L2			*S2A	-T1L2			
CURR. TRANSF. L3			*S2A	-T1L3			
4	CABLE-TYPE CT 60/1A	MANUF.: AEG PO NO.:	TYPE RKT 250/160				
TECHNICAL COMPONENTS		TYP	ORDER NO				
APPLICATION		SETTINGS	MOUNTING	BYN IDENTIFIER			
CABLE-TYPE CT			*S2A	-T91			
CABLE-TYPE CT			*S2A	-T92			
CABLE-TYPE CT			*S2A	-T93			
CABLE-TYPE CT			*S2A	-T94			

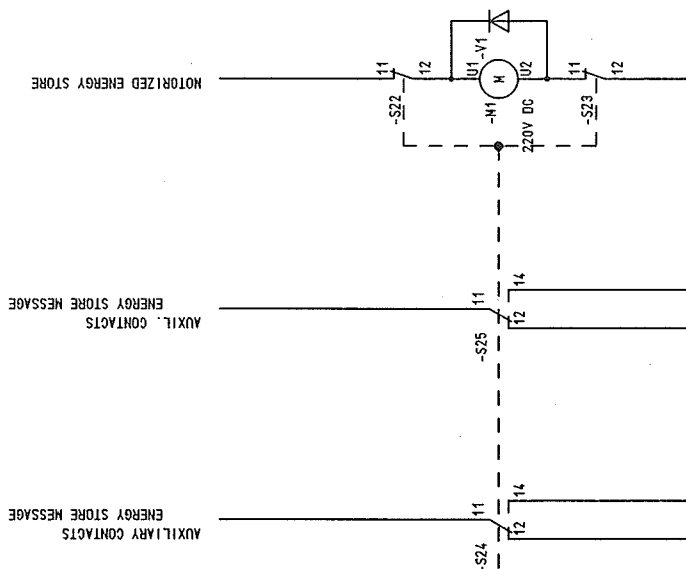
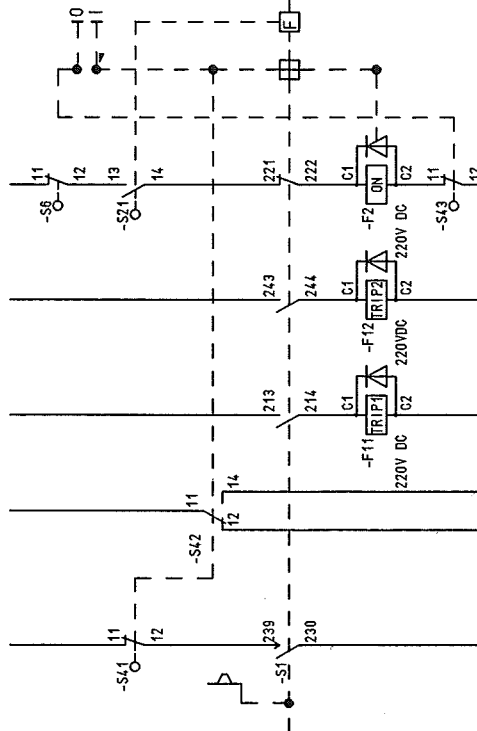
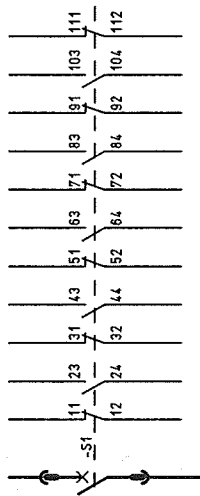
P1 P2

P1 P2

05.01.2007		H20115ND		Z21		ADAM	
03	AS BUILT	05.12.2006	AD	Date	06.06.2005	US STEEL KOSICE/SLOVAKIA	
02	Fact.-Rev.	09.11.2005	AD	Drawn	ADAM	50.3023.01	
01	Approval	20.08.2005	AD	Check	GROHMANN	SUBSTATION T80	
NO.	Alteration	Date	Name	Std.	Of:	Iss. for	Iss. by:
LIST OF EQUIPMENT		50.3023.01.A3.741.227		S 413		7 22T1	
PANEL		D009781.02.613-3.AHA		7 22T1		Sheet 154	
OUTGOING		D009781.02.613-3.AHA		7 22T1		97Sh	

033	AS BUILT	05.12.2005	AD	Date	06.06.2005	US STEEL KOSICE/SLOVAKIA		LIST OF EQUIPMENT	50.3023.01.A3.741.227	S=L13	/ ZY1
	Fact. - Rev.	09.11.2005	AD	Drawn	ADAN	50.3023.01					
001	Approval	20.09.2005	AD	Checked	GROHMANN	SUBSTATION T80					
NO.	Alteration	Date	Name	Std.	Iss. for	Iss. by:		PANEL	Typ: 03	OUT60 IN6	Sheet55 / ZY1
					Orig.:			13		D009781.02.613-3.AHA	97Sh.

[illegible]

[illegible]

003	AS BUILT	05.12.2006	AD	Date	06.06.2005	US STEEL KOSICE/SLOVAKIA		LIST OF EQUIPMENT		50_3023_01_A3_741_227	S = L13
002	Fact.-Rev.	09.11.2005	AD	Drawn	ADAN	50_3023_01					
001	Approval	20.09.2005	AD	Check	GROHMANN	SUBSTATION T80			PANEL	Type: 03	Sheet 57
(NO.	Alteration	Date	Name	Sid.	Date	Orig.	Iss. for	Iss. by:	OUTGOING	D009781.02_613-3_AHA	97 Sh.

Copyright as per DIN 34 to be observed

HJ0115ND
=L13
Z3Q2
ADAN

03	AS BUILT	06.12.2006	AD	Date	10.06.2005	A AREVA	LIST OF EQUIPMENT		50_3023_01_A3.74.1_227		S L13	
02	Fact.-Rev.	09.11.2005	AD	Drawing	ADAN		50_3023_01				/ Z3S1	
01	Approval	20.09.2005	AD	Check	GROHMANN		SUBSTATION T80		PANEL	Type: 03	Sheet 58	
N0:	Alteration	Date	Name/Sid.				Orig.:		iss for	iss by:	97/SD	
										OUTGOING	D009781.02_613-3_AHA	

1		2		3		4		5		6		7		8	
STÜCK- TITEL		DESCRIPTION, DESIGN, TECHNICAL DATA APPLICATION		SETTINGS		MANUFACTURER, TYPE, ORDERING DATA MOUNTING		APPARATUS SYMBOL DIAGRAM REFERENCE TO INDIVIDUAL TREATMENT (CIRCUIT DIAGRAM, SHEET NO., CIRCUIT NO.)		WITH REFERENCES TO DETAILS		REMARK			
1		SPERRMAGNET		MANUF.: ALSTOM		TYPE									
		SPERRMAGNET AN SCHALTWAGEN		PD NO.:											
		TECHNICAL COMPONENTS		: 220VDC		TYP									
		APPLICATION		SETTINGS		MOUNTING		BTH IDENTIFIER							
		RELEASE		SLIDE-IN MODULE		433A		-11							

Copyright as per DIN 34 to be observed!

D0978102

05.01.2007
HJ0115ND
L13
Z31
ADAM

03	AS BUILT	05.12.2005	AD	Date	05.06.2005	US STEEL KOSICE/SLOVAKIA
02	Fact.-Rev.	09.11.2005	AD	Drawn	ADAM	50.3023.01
01	Approval	20.09.2005	AD	Check	GROHMANN	SUBSTATION T80
NO.	Alteration	Date	Name	Std.	Iss. for	Orig.

LIST OF EQUIPMENT	
PANEL	13

50.3023.01 A3.741.227	
Typ: 03	OUTGOING
D009781.02.613-3.AHA	

7 Z311
Sheet 59
97Sh

03	AS BUILT	05.12.2006	AD	Date	06.06.2005	US STEEL KOSICE/SLOVAKIA		TERMINAL DIAGRAM	50.3023.01.A3.741.227	V =L13			
02	Fact. - Rev.	09.11.2005	AD	Drawn	ADAN	50.3023.01					PANEL	Typ: 03 OUT60 IN6	D009781.02.613-3.AHA
01	Approval	20.09.2005	AD	Check	GROHMANN	SUBSTATION T80							
00	Alteration	Date	Name	Std.	Orig.:	Iss. for	Iss. by:	13		97Sh.			

Copyright as per DIN 34 to be observed!

01	AS BUILT	06.12.2006	AD	Date	06.06.2005	US STEEL KOSICE/SLOVAKIA		TERMINAL DIAGRAM	50.3023.01.A3.741.227	V = L13
02	Fact.-Rev.	09.11.2005	AD	Drawn/ADAM	50.3023.01					
03	Approval	20.09.2005	AD	Check GROHMANN		SUBSTATION T80		PANEL	Type: 03 OUTGOING	Sheet 62 97Sh.
04	Alteration			Name/Sid						
05	Issued for			Iss. by:				13	D009781.02.613-3.AHA	

NO. CABLE		WIRES USED SHEET STATE												CABLE-TYPE SECTION												CORES		-ROUTE		CIRCUIT DIAGRAM		CABLE MATERIAL		Ø COLOR		TERM. TYPE	
1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18			
RÜCK-REF.		NO		CORES/ LINE		DESTINAT. DESIG.		EXTERNAL		POT		NO		DESTINAT. DESIG.		INTERN		CORES/ LINE		REMARK																	
/601.2		/601.2		/601.2		/601.2		/601.2		/601.2		/601.2		/601.2		/601.2		/601.2		/601.2																	
/601.3		/601.3		/601.3		/601.3		/601.3		/601.3		/601.3		/601.3		/601.3		/601.3		/601.3																	
/601.4		/601.4		/601.4		/601.4		/601.4		/601.4		/601.4		/601.4		/601.4		/601.4		/601.4																	
/601.5		/601.5		/601.5		/601.5		/601.5		/601.5		/601.5		/601.5		/601.5		/601.5		/601.5																	
/601.6		/601.6		/601.6		/601.6		/601.6		/601.6		/601.6		/601.6		/601.6		/601.6		/601.6																	
/601.7		/601.7		/601.7		/601.7		/601.7		/601.7		/601.7		/601.7		/601.7		/601.7		/601.7																	
/601.8		/601.8		/601.8		/601.8		/601.8		/601.8		/601.8		/601.8		/601.8		/601.8		/601.8																	
/601.9		/601.9		/601.9		/601.9		/601.9		/601.9		/601.9		/601.9		/601.9		/601.9		/601.9																	
/601.10		/601.10		/601.10		/601.10		/601.10		/601.10		/601.10		/601.10		/601.10		/601.10		/601.10																	
/601.11		/601.11		/601.11		/601.11		/601.11		/601.11		/601.11		/601.11		/601.11		/601.11		/601.11																	
/601.12		/601.12		/601.12		/601.12		/601.12		/601.12		/601.12		/601.12		/601.12		/601.12		/601.12																	
/601.13		/601.13		/601.13		/601.13		/601.13		/601.13		/601.13		/601.13		/601.13		/601.13		/601.13																	
/601.14		/601.14		/601.14		/601.14		/601.14		/601.14		/601.14		/601.14		/601.14		/601.14		/601.14																	
/601.15		/601.15		/601.15		/601.15		/601.15		/601.15		/601.15		/601.15		/601.15		/601.15		/601.15																	
/601.16		/601.16		/601.16		/601.16		/601.16		/601.16		/601.16		/601.16		/601.16		/601.16		/601.16																	
/601.17		/601.17		/601.17		/601.17		/601.17		/601.17		/601.17		/601.17		/601.17		/601.17		/601.17																	
/601.18		/601.18		/601.18		/601.18		/601.18		/601.18		/601.18		/601.18		/601.18		/601.18		/601.18																	
/601.19		/601.19		/601.19		/601.19		/601.19		/601.19		/601.19		/601.19		/601.19		/601.19		/601.19																	
/601.20		/601.20		/601.20		/601.20		/601.20		/601.20		/601.20		/601.20		/601.20		/601.20		/601.20																	
/601.21		/601.21		/601.21		/601.21		/601.21		/601.21		/601.21		/601.21		/601.21		/601.21		/601.21																	
/601.22		/601.22		/601.22		/601.22		/601.22		/601.22		/601.22		/601.22		/601.22		/601.22		/601.22																	
/601.23		/601.23		/601.23		/601.23		/601.23		/601.23		/601.23		/601.23		/601.23		/601.23		/601.23																	
/601.24		/601.24		/601.24		/601.24		/601.24		/601.24		/601.24		/601.24		/601.24		/601.24		/601.24																	
/601.25		/601.25		/601.25		/601.25		/601.25		/601.25		/601.25		/601.25		/601.25		/601.25		/601.25																	
/601.26		/601.26		/601.26		/601.26		/601.26		/601.26		/601.26		/601.26		/601.26		/601.26		/601.26																	
/601.27		/601.27		/601.27		/601.27		/601.27		/601.27		/601.27		/601.27		/601.27		/601.27		/601.27																	
/601.28		/601.28		/601.28		/601.28		/601.28		/601.28		/601.28		/601.28		/601.28		/601.28		/601.28																	
/601.29		/601.29		/601.29		/601.29		/601.29		/601.29		/601.29		/601.29		/601.29		/601.29		/601.29																	
/601.30		/601.30		/601.30		/601.30		/601.30		/601.30		/601.30		/601.30		/601.30		/601.30		/601.30																	
/601.31		/601.31		/601.31		/601.31		/601.31		/601.31		/601.31		/601.31		/601.31		/601.31		/601.31																	
/601.32		/601.32		/601.32		/601.32		/601.32		/601.32		/601.32		/601.32		/601.32		/601.32		/601.32																	
/601.33		/601.33		/601.33		/601.33		/601.33		/601.33		/601.33		/601.33		/601.33		/601.33		/601.33																	
/601.34		/601.34		/601.34		/601.34		/601.34		/601.34		/601.34		/601.34		/601.34		/601.34		/601.34																	
/601.35		/601.35		/601.35		/601.35		/601.35		/601.35		/601.35		/601.35		/601.35		/601.35		/601.35																	
/601.36		/601.36		/601.36		/601.36		/601.36		/601.36		/601.36		/601.36		/601.36		/601.36		/601.36																	
/601.37		/601.37		/601.37		/601.37		/601.37		/601.37		/601.37		/601.37		/601.37		/601.37		/601.37																	
/601.38		/601.38		/601.38		/601.38		/601.38		/601.38		/601.38		/601.38		/601.38		/601.38		/601.38																	
/601.39		/601.39		/601.39		/601.39		/601.39		/601.39		/601.39		/601.39		/601.39		/601.39		/601.39																	
/601.40		/601.40		/601.40		/601.40		/601.40		/601.40		/601.40		/601.40		/601.40		/601.40		/601.40																	
/601.41		/601.41		/601.41		/601.41		/601.41		/601.41		/601.41		/601.41		/601.41		/601.41		/601.41																	
/601.42		/601.42		/601.42		/601.42		/601.42		/601.42		/601.42		/601.42		/601.42		/601.42		/601.42																	
/601.43		/601.43		/601.43		/601.43		/601.43		/601.43		/601.43		/601.43		/601.43		/601.43		/601.43																	
/601.44		/601.44		/601.44		/601.44		/601.44		/601.44		/601.44		/601.44		/601.44		/601.44		/601.44																	
/601.45		/601.45		/601.45		/601.45		/601.45		/601.45		/601.45		/601.45		/601.45		/601.45		/601.45																	
/601.46		/601.46		/601.46		/601.46		/601.46		/601.46		/601.46		/601.46		/601.46		/601.46		/601.46																	
/601.47		/601.47		/601.47		/601.47		/601.47		/601.47		/601.47		/601.47		/601.47		/601.47		/601.47																	
/601.48		/601.48		/601.48		/601.48		/601.48		/601.48		/601.48		/601.48		/601.48		/601.48		/601.48																	
/601.49		/601.49		/601.49		/601.49		/601.49		/601.49		/601.49		/601.49		/601.49		/601.49		/601.49																	
/601.50		/601.50		/601.50		/601.50		/601.50		/601.50		/601.50		/601.50		/601.50		/601.50		/601.50																	
/601.51		/601.51		/601.51		/601.51		/601.51		/601.51		/601.51		/601.51		/601.51		/601.51		/601.51																	
/601.52		/601.52		/601.52		/601.52		/601.52		/601.52		/601.52		/601.52		/601.52		/601.52		/601.52																	
/601.53		/601.53		/601.53		/601.53		/601.53		/601.53		/601.53		/601.53		/601.53		/601.53		/601.53																	
/601.54		/601.54		/601.54		/601.54		/601.54		/601.54		/601.54		/601.54		/601.54		/601.54		/601.54																	
/601.55		/601.55		/601.55		/601.55		/601.55		/601.55		/601.55		/601.55		/601.55		/601.55		/601.55																	
/601.56		/601.56		/601.56		/601.56		/601.56		/601.56		/601.56		/601.56		/601.56		/601.56		/601.56																	
/601.57		/601.57		/601.57		/601.57		/601.57		/601.57		/601.57		/601.57		/601.57		/601.57		/601.57																	
/601.58		/601.58		/601.58		/601.58		/601.58		/601.58		/601.58		/601.58		/601.58		/601.58		/601.58																	
/601.59		/601.59		/601.59		/601.59		/601.59		/601.59		/601.59		/601.59		/601.59		/601.59		/601.59																	
/601.60		/601.60		/601.60		/601.60		/601.60		/601.60		/601.60		/601.60		/601.60		/601.60		/601.60																	
/601.61		/601.61		/601.61		/601.61		/601.61		/601.61		/601.61		/601.61		/601.61		/601.61		/601.61																	
/601.62		/601.62		/601.62		/601.62		/601.62		/601.62		/601.62		/601.62		/601.62		/601.62		/601.62																	
/601.63		/601.63		/601.63		/601.63		/601.63		/601.63		/601.63		/601.63		/601.63		/601.63		/601.63																	
/601.64		/601.64		/601.64		/601.64		/601.64		/601.64		/601.64		/601.64		/601.64		/601.64		/601.64																	
/601.65		/601.65		/601.65		/601.65		/601.65		/601.65		/601.65		/601.65		/601.65		/601.65		/601.65																	
/601.66		/601.66		/601.66		/601.66		/601.66		/601.66		/601.66		/601.66		/601.66		/601.66		/601.66																	
/601.67		/601.67		/601.67		/601.67		/601.67		/601.67		/601.67		/601.67		/601.67		/601.67		/601.67																	
/601.68		/601.68		/601.68		/601.68		/601.68		/601.68		/601.68		/601.68		/601.68		/601.68		/601.68																	
/601.69		/601.69		/601.69		/601.69		/601.69		/601.69		/601.69		/601.69		/601.69		/601.69		/601.69																	
/601.70		/601.70		/601.70		/601.70		/601.70		/601.70		/601.70		/601.70		/601.70		/601.70		/601.70																	
/601.71		/601.71		/601.71		/601.71		/601.71		/601.71		/601.71		/601.71		/601.71		/601.71		/601.71																	
/601.72		/601.72		/601.72		/601.72		/601.72		/601.72		/601.72		/601.72		/601.72		/601.72		/601.72																	
/601.73		/601.73		/601.73		/601.73</																															

03	AS BUILT	06.12.2006	AD	Date	06.06.2005	US STEEL KOSICE/SLOVAKIA		TERMINAL DIAGRAM	50_3023_01_A3_741_227	V = L13	/ K11
02	Fact.-Rev.	09.11.2005	AD	Drawn	ADAN	50_3023_01					
01	Approval	20.09.2005	AD	Checked	GROHMANN	SUBSTATION T80					
N0	Alteration	Date	Name	Sid	iss for	iss by:		PANEL	Typ: 03	D009781.02_613-3_AHA	Sheet 64
								13	OUTGOING		97Sh.

3	AS BUILT	05.12.2005	AD	Date	05.06.2005	US STEEL KOSICE/SLOVAKIA		TERMINAL DIAGRAM	50.3023.01.A3.741.227	V=L13
2	Fact.-Rev.	03.11.2005	AD	Drawn	ADAM	50.3023.01				
1	Approval	20.09.2005	AD	Check	GROHMANN	SUBSTATION T80				
1	Approval	Date	Name	Std.	Orig.	Iss. for				
							iss.by:	13	Type: 03 OUTGOING	D009781.02.613-3.AHA 97Sh.

[illegible]

003	AS BUILT	05.12.2006	AD	Date	06.06.2005	US STEEL KOSICE/SLOVAKIA		TERMINAL DIAGRAM	50_3023_01.A3_7741_227	V = L13	/ K40
02	Fact - Rev.	09.11.2005	AD	Drawn	ADAN	50_3023_01					
01	Approval	20.09.2005	AD	Check	GROHMANN	SUBSTATION T80					
IND.	Alteration	Date	Name/Std.	Iss for	Iss by:	Orig.		PANEL	Typ: 03	D009781.02_613-3_AHA	Sheet 67
								13	OUTGOING		97Sh.

03	AS BUILT	05.12.2006	AD	Date	06.06.2005	US STEEL KOSICE/SLOVAKIA		TERMINAL DIAGRAM	50_3023_01.A3.741_227	V = L13	/ K50
02	Fact. - Rev.	09.11.2005	AD	Drawn	ADAN	50_3023_01					
01	Approval	20.09.2005	AD	Checked	GROHMANN	SUBSTATION T80		PANEL 13	Typ.: 03 OUTGOING	D009781.02. 613-3. AHA	Sheet 68 97 Sh.
00	Approval			Named							

003	AS BUILT	05.12.2005	AD	Date	05.06.2005	US STEEL KOSICE/SLOVAKIA		TERMINAL DIAGRAM		50_3023_01.A3.741.227		V = L13		
002	Fact. - Rev.	09.11.2005	AD	Drawn	ADAN	50_3023_01			PANEL					/ K51
001	Approval	20.09.2005	AD	Check	GROHMANN	SUBSTATION T80			Type: 03					Sheet 69
001	Approval	Date	Name	Std.		Orig.	iss for	iss by:	13	OUTGOING		D009781.02.613-3.AHA		975h
001	Alteration	Date	Name	Std.		Orig.	iss for	iss by:						

03	AS BUILT	05.12.2005	AD	Date	06.06.2005	US STEEL KOSICE/SLOVAKIA	 AREVA	TERMINAL DIAGRAM		50_3023_01_A3_74_1_227	V = L13	
02	Fact.-Rev.	08.11.2005	AD	Drawn	ADAM	50_3023_01						
01	Approval	20.09.2005	AD	Checked	GROHMANN	SUBSTATION T80						
NO.	Alteration			Name	Sid.	ORIG.: Iss for				Type: 03 OUTGOING		Sheet 70 97 Sh.
									PANEL 13	D009781.02_613-3_AHA		

[illegible]

1		2		3		4		5		6		7		8	
NO. CABLE		WIRES USED SHEET STATE		CABLE-TYPE SECTION		CORES - ROUTE		CIRCUIT DIAGRAM		CABLE MATERIAL		Ø COLOR		TERM. TYPE	
RÜCK-REF.		NO.		DESTINAT. DESIG.		EXTERNAL		POT		NO		DESTINAT. DESIG.		INTERNAL	
/004.4															
/004.3															
/004.6															
/005.2															
/005.3															
/005.3															
/005.5															
/005.6															
/005.6															
/005.5															
/005.4															
/005.7															
/005.8															
/005.8															
/005.4															
/006.5															
/006.5															
/006.5															
/006.5															
/007.2															
/007.3															
/007.3															
/007.4															
/005.4															
/005.4															

Copyright as per DIN 34 to be observed!

D00978102

05.01.2007

03 AS BUILT 05.12.2006 AD Date 06.06.2005

02 Fact.-Rev. 09.11.2005 AD Drawn ADAM

01 Approval 20.09.2005 AD Check GROHMANN

NO. Alteration Date Name Std.

US STEEL KOSTICE/SLOVAKIA

50.3023.01

SUBSTATION T80

Orig. Iss. for

AREVA

PANEL 13

iss.by:

TERMINAL DIAGRAM

50.3023.01.A3.74.1.227

+S1A.R

VI L13

Typ: 03

OUTGOING

D009781.02.613-3.AHA

8

Sheet 72

97 Sh.

[illegible]

003	AS BUILT	05.12.2006	AD	Date	06.06.2005	US STEEL KOSICE/SLOVAKIA	 AREVA	TERMINAL DIAGRAM		50.3023.01.A3.741.227		V = L13		
002	Fact. - Rev.	09.11.2005	AD	Drawn	ADAN	50.3023.01							+SIA.R	
001	Approval	20.09.2005	AD	Check	GROHMANN	SUBSTATION T80			PANEL		Typ: 03		Sheet 74	
000	Alteration	Date	Name	Sid		Orig:	iss.by:	13		OUTGOING		97 Sh.		
D009781.02.613-3.AHA														

03	AS BUILT	05.12.2005	AD	Date	06.06.2005	US STEEL K0510E/SLOVAKIA		TERMINAL DIAGRAM	
01	Fact.-Rev.	09.11.2005	AD	Drawn	ADAN	50.3023_01			
02	Approval	20.09.2005	AD	Checked	GROHMANN	SUBSTATION T80			
NO.	Alteration	Date	Name	Sid.	Or(g.)	Iss for	Iss by:	13	PANEL
									Typ: 03 OUT601NG
									D009781.02.613-3.AHA 97Sh.

CROSS CONNECTION									
REFERENCE	POTENTIAL ITEM GR. SECTION	CABLE MATERIAL COLOR	OUTPUT TERMINAL	DESTINATION 1	DESTINATION 2	DESTINATION 3	DESTINATION 4	DESTINATION 5	DESTINATION 6
G00	CBF+ 1 1.5MM2	H07V-K SW	-X0	5 -K203	13 -K203	33			A
G01	DC220V L+ 2 2.5MM2	H07V-K SW	-X0	12 -F102	1 -F103	1 -F111	1 -F121		
G01	DC220V L- 2 2.5MM2	H07V-K SW	-X0	14 -F102	3 -F103	3 -F111	3 -F121		
G02	1 1.5MM2	H07V-K SW		-K451A	81 -K451B	54			B
G02	1 1.5MM2	H07V-K SW	-X1	131 -K451A	54 -K451A	82			
M01	102L- 1 1.5MM2	H07V-K SW	-X1	122 -K01E	34 -K201	A2			
M01	1 1.5MM2	H07V-K SW	-X1	136 -K01A	14 -K201	14			
M01	1 1.5MM2	H07V-K SW	-X1	139 -K01A	13 -K01E	13			
M01	1 1.5MM2	H07V-K SW	-X1	140 -K01E	14 -K201	13 -K201	21		
M02	102L- 1 1.5MM2	H07V-K SW	-X1	125 -K02E	34 -K202	A2			
M02	1 1.5MM2	H07V-K SW	-X1	156 -K02A	14 -K202	14			
M02	1 1.5MM2	H07V-K SW	-X1	159 -K02A	13 -K02E	13			
M02	1 1.5MM2	H07V-K SW	-X1	160 -K02E	14 -K202	13 -K202	21		
M03	1 1.5MM2	H07V-K SW	-X1	130 -K01A	A2 -K01E	A2 -K02A	A2 -K02E	A2 -K71	A2 -K72
	----->			-K451A	A2 -K451B	A2			
M04	1 1.5MM2	H07V-K SW		-A100 -X20	1 -K01A	A1			
M04	1 1.5MM2	H07V-K SW		-A100 -X20	3 -K01E	A1			
M04	1 1.5MM2	H07V-K SW		-A100 -X20	5 -K02A	A1			
M04	1 1.5MM2	H07V-K SW		-A100 -X20	7 -K02E	A1			
M04	102L+ 1 1.5MM2	H07V-K SW	-X1	120 -A100 -X20	11 -A100 -X20	13 -A100 -X20	15 -A100 -X20	17	
				GROSS CONNECT. LIST					
				RELAY BOX					
				PANEL					
				13					
				AREVA					
				iss.by:					
				4					
				3					
				2					
				1					
				0					
				-					
				.					
				/					
				%					
				°					
				'					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					
				"					

Copyright as per DIN 34 to be observed!

05.01.2007

D00978102

CROSS CONNECTION									
REFERENCE	POTENTIAL ITEM OR. SECTION	CABLE MATERIAL COLOR	OUTPUT TERMINAL	DESTINATION 1	DESTINATION 2	DESTINATION 3	DESTINATION 4	DESTINATION 5	DESTINATION 6
P02	1 1.5MM2	H07V-K SW	-X9	904 -XPE	1 -X01	B11			
P02	1 1.5MM2	H07V-K SW	-X9	918 -XPE	2 -X01	B12			
Q02	1 1.5MM2	H07V-K SW		-A100 -X10	10 -A100 -X10	40			
Q04	1 1.5MM2	H07V-K SW	-X8	808 -F111	12 -F121	12			
Q04	1 1.5MM2	H07V-K SW	-X8	833 -F111	11 -F121	11			
Q05	1 1.5MM2	H07V-K SW		-A100 -X11	10 -A100 -X11	40			
Q05	1 1.5MM2	H07V-K SW	-X8	811 -F310	9 -F310	13 -K100	19		
Q05	1 1.5MM2	H07V-K SW	-X8	813 -F102	12 -F103	12 -F203	12		
Q05	1 1.5MM2	H07V-K SW	-X8	846 -F102	11 -F103	11 -F203	11		
Q06	1 1.5MM2	H07V-K SW		-A100 -X30	2 -U401	17			
Q06	1 1.5MM2	H07V-K SW		-A100 -X30	3 -U401	18			
Q06	1 1.5MM2	H07V-K SW		-A100 -X30	6 -U401	15			
Q06	1 1.5MM2	H07V-K SW		-A100 -X30	7 -U401	16			
Q06	1 1.5MM2	H07V-K SW		-A100 -X30	32 -U401	19			
Q06	1 1.5MM2	H07V-K SW		-A100 -X30	33 -U401	20			
Q06	1 1.5MM2	H07V-K SW		-A100 -X30	36 -U401	21			
Q06	1 1.5MM2	H07V-K SW		-A100 -X30	37 -U401	22			
Q07	1 1.5MM2	H07V-K SW		-K01E	44 -K02E	44			
Q07	1 1.5MM2	H07V-K SW	-X4	402 -K01E	43 -K02E	43 -K201	33		
R01	1 1.5MM2	H07V-K SW		-K01A	22 -K01E	21			

Copyright as per DIN 34 to be observed!

D0978102

03	AS BUILT	05.12.2005	AD	Date	05.06.2005	US STEEL KOS10E/SLOVAKIA	CROSS CONNECT. LIST	50.3023.01.A3.741.227	V L13	8
02	Fact.-Rev.	09.11.2005	AD	Drawn	ADAM	50.3023.01	RELAY BOX	+S1A.R	7 011	
01	Approval	20.08.2005	AD	Check	GROHMANN	SUBSTATION T80	PANEL	Typ: 03	Sheet 77	
NO.	Alteration	Date	Name	Sid.	2	Orig.	Iss. for	4	6	7
							iss.by:	13	5	8
								D009781.02.613-3. AHA	97 Sh.	

Copyright as per DIN 34 to be observed!

05.01.2007

03	AS BUILT	05.12.2005	AD	Date	05.06.2005	US STEEL KOSICE/SLOVAKIA	50.3023.01	GROSS CONNECT. LIST	50.3023.01.A3.741.227	V=L13	+SIA.R	/011
02	Fact.-Rev.	09.11.2005	AD	Date	09.11.2005	Drawn ADAM	50.3023.01	RELAY BOX				
01	Approval	20.03.2005	AD	Date	20.03.2005	Check GROHMANN	SUBSTATION T80	PANEL				
NO.	Alteration	Date	Name	Iss. for	Iss. by:	AREVA		13	OUTGOING	Typ: 03	D009781.02.613-3. AHA	Sheet 77 97 Sh.

CROSS CONNECTION

	REFERENCE	POTENTIAL ITEM OR SECTION	CABLE MATERIAL COLOR	OUTPUT TERMINAL	DESTINATION 1	DESTINATION 2	DESTINATION 3	DESTINATION 4	DESTINATION 5	DESTINATION 6
R01	—	1 1.5MM2	H07V-K SW	-K02A	22 -K02E	21				A
R01	—	1 1.5MM2	H07V-K SW	-X4	416 -F102	22 -F103	22 -F111	22 -F121	22 -F203	
R01	—	1 1.5MM2	H07V-K SW	-X4	417 -F102	21 -F103	21 -F111	21 -F121	21 -F203	
S01	—	2 2.5MM2	H07V-K SW	-X5	511 -U401	3 -U401	6 -U401	9		B
T01	—	1 1.5MM2	H07V-K SW		-K451A	21 -K451B	14			
T01	—	1 1.5MM2	H07V-K SW		-K451A	61 -K451B	34			
T01	—	1 1.5MM2	H07V-K SW		-K451A	71 -K451B	44			
T01	—	L1 1.5MM2	H07V-K SW	-X6	601 -K451A	14 -K451A	22			C
T01	—	L2 1.5MM2	H07V-K SW	-X6	604 -K451A	34 -K451A	62			
T01	—	L3 1.5MM2	H07V-K SW	-X6	607 -K451A	44 -K451A	72			D
E										
F										

Copyright as per DIN 34 to be observed!

00978102

AS BUILT

Date

05.12.2005 AD

Fact.-Rev.

09.11.2005 AD

Drawn ADAM

Approval

20.09.2005 AD

Check GROHMANN

Alteration

Name/Stid

US STEEL KOSICE/SLOVAKIA

50_3023_01

SUBSTATION T80

Orig:

GROSS CONNECT. LIST

RELAY BOX

PANEL

13

V L13

XSLR

/ Q12

Typ: 03

OUTGOING

D009781.02..613-3.AHA

Sheet78

97Sh

05.01.2007

00978102

Copyright as per DIN 34 to be observed

05.01.2007

TERMINAL DIA. , 64-POLE , CIRCUIT-BREAKER SOCKET

+S1A.R -X01
CABLE MATERIAL H05V-K 1.0mm2 SW

A			B			C			
+		+							+
1	-X1 /001.2 H05V-K 1.0MM2 SW	101	-X8 /002.4 H05V-K 1.0MM2 SW	822	-X1 /001.5 H05V-K 1.0MM2 SW	145	-X3 /001.3 H05V-K 1.0MM2 SW	325	1
2	-X1 /001.2 H05V-K 1.0MM2 SW	102	-X8 /002.2 H05V-K 1.0MM2 SW	866	-X1 /001.5 H05V-K 1.0MM2 SW	122	-X8 /002.5 H05V-K 1.0MM2 SW	803	2
3	-X1 /001.6 H05V-K 1.0MM2 SW	136	-X8 /002.2 H05V-K 1.0MM2 SW	873	-X3 /001.3 H05V-K 1.0MM2 SW		-X8 /002.5 H05V-K 1.0MM2 SW	823	3
4	-X1 /001.6 H05V-K 1.0MM2 SW	123	-X8 /002.2 H05V-K 1.0MM2 SW	874	-X8 /002.5 H05V-K 1.0MM2 SW		-X8 /002.5 H05V-K 1.0MM2 SW	825	4
5	-X1 /001.7 H05V-K 1.0MM2 SW	138	-X0 /001.3 H05V-K 1.0MM2 SW	5	-X0 /001.2 H05V-K 1.0MM2 SW	025	-X9 /001.4 H05V-K 1.0MM2 SW	906	5
6	-X1 /001.7 H05V-K 1.0MM2 SW	142	-X0 /001.3 H05V-K 1.0MM2 SW	7	-X0 /001.2 H05V-K 1.0MM2 SW	027	-X9 /001.4 H05V-K 1.0MM2 SW	920	6
7	-X8 /004.3 H05V-K 1.0MM2 SW	809	-X1 /003.5 H05V-K 1.0MM2 SW	116	-X0 /001.2 H05V-K 1.0MM2 SW		-X8 /007.4 H05V-K 1.0MM2 SW	869	7
8	-X8 /004.3 H05V-K 1.0MM2 SW	834	-X1 /003.5 H05V-K 1.0MM2 SW	173	-X0 /001.2 H05V-K 1.0MM2 SW		-X8 /007.4 H05V-K 1.0MM2 SW	877	8
9	-X8 /004.3 H05V-K 1.0MM2 SW	836	-X9 /001.2 H05V-K 1.0MM2 SW	901	-X9 /001.2 H05V-K 1.0MM2 SW	902	-X9 /001.5 H05V-K 1.0MM2 SW	907	9
10	-X4 /001.3 H05V-K 1.0MM2 SW	410	-X9 /001.2 H05V-K 1.0MM2 SW	915	-X9 /001.2 H05V-K 1.0MM2 SW	916	-X9 /001.5 H05V-K 1.0MM2 SW	921	10
11	-X4 /001.3 H05V-K 1.0MM2 SW	419	-X9 /001.4 H05V-K 1.0MM2 SW	904	-X9 /001.3 H05V-K 1.0MM2 SW	903	-X9 /001.4 H05V-K 1.0MM2 SW	905	11
12	-X3 /001.2 H05V-K 1.0MM2 SW	302	-X9 /001.4 H05V-K 1.0MM2 SW	918	-X9 /001.3 H05V-K 1.0MM2 SW	917	-X9 /001.4 H05V-K 1.0MM2 SW	919	12
13	-X3 /001.2 H05V-K 1.0MM2 SW	321	-X8 /002.3 H05V-K 1.0MM2 SW	868	-X9 /001.5 H05V-K 1.0MM2 SW	908	-X0 /001.4 H05V-K 1.0MM2 SW	930	13
14	-X3 /001.2 H05V-K 1.0MM2 SW	322	-X8 /002.3 H05V-K 1.0MM2 SW	876	-X9 /001.5 H05V-K 1.0MM2 SW	922	-X0 /001.4 H05V-K 1.0MM2 SW	923	14
15	-X8 /002.3 H05V-K 1.0MM2 SW	802	-X8 /002.3 H05V-K 1.0MM2 SW	867	-X3 /001.3 H05V-K 1.0MM2 SW	303	-X0 /001.4 H05V-K 1.0MM2 SW		15
16	-X8 /002.3 H05V-K 1.0MM2 SW	821	-X8 /002.3 H05V-K 1.0MM2 SW	875	-X3 /001.3 H05V-K 1.0MM2 SW	323	-X0 /001.4 H05V-K 1.0MM2 SW		16
+									+

Subject to technical modifications!
Copyright as per DIN 34 to be observed!

D0978102

05.01.2007
H0115ND
L13+S1A
ADAN

03	AS BUILT	05.12.2005	AD	Date	05.06.2005	US STEEL KOSICE/SLOVAKIA	PLUG DIAGRAM	50.3023.01.A3.741.227	V=L13	/S01
02	Fact.-Rev.	09.11.2005	AD	Drawn	ADAN	50.3023.01	CIRCUIT-BREAKER		+S1A.R	Sheet79
01	Approval	20.09.2005	AD	Check	GROHMANN	SUBSTATION T80	PANEL			97Sh.
NO.	Alteration	Date	Name	Issd.	for	Issd.	by:	Typ: 03	D009781.02.613-3.AHA	
								OUT501N6		

1		2		3		4		5		6		7		8									
ASSEMBLY/INSTRUCT.						CABLE MATERIAL						TERM. TYPE											
						STANDARD: H07V-K 1.5MM2						STANDARD:											
						BK						-X04											
RÜCK-REF.		LTG (Ø IN MM2) CABLE		CORE		DESTINAT. DESIG.		SOCKET		POT		NO		DESTINAT. DESIG.		PIN		LTG (Ø IN MM2) CABLE		CORE		REMARK	
/M02.4		/M02.4		/M02.4		-X1		146		102L-		C09		+S1B.R -X1		110							
/M02.4		/M02.4		/M02.4		-X1		126				C10		+S1B.R -X1		111							
/C0ST.2		/C0ST.2										C11											
/C0ST.2		/C0ST.2										C12											
/C0ST.2		/C0ST.2										C13											
/C0ST.2		/C0ST.2										C14											
/C0ST.2		/C0ST.2										C15											
/C0ST.2		/C0ST.2										C16											
/001.5		/001.5		-X3		305		102L+				D01		+S1B.R -X3		301							
/001.5		/001.5		-X3		326						D02		+S1B.R -X3		303							
/001.5		/001.5		-X3		327						D03		+S1B.R -X3		304							
/001.5		/001.5		-X3		328						D04		+S1B.R -X3		305							
/001.6		/001.6		-X3		330						D05		+S1B.R -X3		306							
/003.4		/003.4		-X8		806		03L+				D06		+S1B.R -X8		801							
/003.4		/003.4		-X8		828						D07		+S1B.R -X8		805							
/003.4		/003.4		-X8		829						D08		+S1B.R -X8		806							
/003.5		/003.5		-X8		830						D09		+S1B.R -X8		807							
/003.5		/003.5		-X8		832						D10		+S1B.R -X8		808							
/C0ST.3		/C0ST.3										D11											
/005.6		/005.6		-X8		842						D12		+S1B.R -X8		809							
/005.6		/005.6		-X8		843						D13		+S1B.R -X8		810							
/C0ST.3		/C0ST.3										D14											
/004.4		/004.4		-X8		835						D15		+S1B.R -X8		811							
/C0ST.3		/C0ST.3										D16											

03 AS BUILT 05.12.2005 AD Date 06.06.2005

02 Fact.-Rev. 09.11.2005 AD Drawn ADAM 50.3023.01

01 Approval 20.09.2005 AD Check GROHMANN SUBSTATION T80

NO. Alteration Date Name Std. Orig. Iss. for

03 AS BUILT 05.12.2005 AD Date 06.06.2005

02 Fact.-Rev. 09.11.2005 AD Drawn ADAM 50.3023.01

01 Approval 20.09.2005 AD Check GROHMANN SUBSTATION T80

NO. Alteration Date Name Std. Orig. Iss. for

03 AS BUILT 05.12.2005 AD Date 06.06.2005

02 Fact.-Rev. 09.11.2005 AD Drawn ADAM 50.3023.01

01 Approval 20.09.2005 AD Check GROHMANN SUBSTATION T80

NO. Alteration Date Name Std. Orig. Iss. for

03 AS BUILT 05.12.2005 AD Date 06.06.2005

02 Fact.-Rev. 09.11.2005 AD Drawn ADAM 50.3023.01

01 Approval 20.09.2005 AD Check GROHMANN SUBSTATION T80

NO. Alteration Date Name Std. Orig. Iss. for

03 AS BUILT 05.12.2005 AD Date 06.06.2005

02 Fact.-Rev. 09.11.2005 AD Drawn ADAM 50.3023.01

01 Approval 20.09.2005 AD Check GROHMANN SUBSTATION T80

NO. Alteration Date Name Std. Orig. Iss. for

03 AS BUILT 05.12.2005 AD Date 06.06.2005

02 Fact.-Rev. 09.11.2005 AD Drawn ADAM 50.3023.01

01 Approval 20.09.2005 AD Check GROHMANN SUBSTATION T80

NO. Alteration Date Name Std. Orig. Iss. for

03 AS BUILT 05.12.2005 AD Date 06.06.2005

02 Fact.-Rev. 09.11.2005 AD Drawn ADAM 50.3023.01

01 Approval 20.09.2005 AD Check GROHMANN SUBSTATION T80

NO. Alteration Date Name Std. Orig. Iss. for

03 AS BUILT 05.12.2005 AD Date 06.06.2005

02 Fact.-Rev. 09.11.2005 AD Drawn ADAM 50.3023.01

01 Approval 20.09.2005 AD Check GROHMANN SUBSTATION T80

NO. Alteration Date Name Std. Orig. Iss. for

03 AS BUILT 05.12.2005 AD Date 06.06.2005

02 Fact.-Rev. 09.11.2005 AD Drawn ADAM 50.3023.01

01 Approval 20.09.2005 AD Check GROHMANN SUBSTATION T80

NO. Alteration Date Name Std. Orig. Iss. for

03 AS BUILT 05.12.2005 AD Date 06.06.2005

02 Fact.-Rev. 09.11.2005 AD Drawn ADAM 50.3023.01

01 Approval 20.09.2005 AD Check GROHMANN SUBSTATION T80

NO. Alteration Date Name Std. Orig. Iss. for

03 AS BUILT 05.12.2005 AD Date 06.06.2005

02 Fact.-Rev. 09.11.2005 AD Drawn ADAM 50.3023.01

01 Approval 20.09.2005 AD Check GROHMANN SUBSTATION T80

NO. Alteration Date Name Std. Orig. Iss. for

03 AS BUILT 05.12.2005 AD Date 06.06.2005

02 Fact.-Rev. 09.11.2005 AD Drawn ADAM 50.3023.01

01 Approval 20.09.2005 AD Check GROHMANN SUBSTATION T80

NO. Alteration Date Name Std. Orig. Iss. for

03 AS BUILT 05.12.2005 AD Date 06.06.2005

02 Fact.-Rev. 09.11.2005 AD Drawn ADAM 50.3023.01

01 Approval 20.09.2005 AD Check GROHMANN SUBSTATION T80

NO. Alteration Date Name Std. Orig. Iss. for

03 AS BUILT 05.12.2005 AD Date 06.06.2005

02 Fact.-Rev. 09.11.2005 AD Drawn ADAM 50.3023.01

01 Approval 20.09.2005 AD Check GROHMANN SUBSTATION T80

NO. Alteration Date Name Std. Orig. Iss. for

03 AS BUILT 05.12.2005 AD Date 06.06.2005

02 Fact.-Rev. 09.11.2005 AD Drawn ADAM 50.3023.01

01 Approval 20.09.2005 AD Check GROHMANN SUBSTATION T80

NO. Alteration Date Name Std. Orig. Iss. for

03 AS BUILT 05.12.2005 AD Date 06.06.2005

02 Fact.-Rev. 09.11.2005 AD Drawn ADAM 50.3023.01

01 Approval 20.09.2005 AD Check GROHMANN SUBSTATION T80

NO. Alteration Date Name Std. Orig. Iss. for

03 AS BUILT 05.12.2005 AD Date 06.06.2005

02 Fact.-Rev. 09.11.2005 AD Drawn ADAM 50.3023.01

01 Approval 20.09.2005 AD Check GROHMANN SUBSTATION T80

NO. Alteration Date Name Std. Orig. Iss. for

03 AS BUILT 05.12.2005 AD Date 06.06.2005

02 Fact.-Rev. 09.11.2005 AD Drawn ADAM 50.3023.01

01 Approval 20.09.2005 AD Check GROHMANN SUBSTATION T80

NO. Alteration Date Name Std. Orig. Iss. for

03 AS BUILT 05.12.2005 AD Date 06.06.2005

02 Fact.-Rev. 09.11.2005 AD Drawn ADAM 50.3023.01

01 Approval 20.09.2005 AD Check GROHMANN SUBSTATION T80

NO. Alteration Date Name Std. Orig. Iss. for

03 AS BUILT 05.12.2005 AD Date 06.06.2005

02 Fact.-Rev. 09.11.2005 AD Drawn ADAM 50.3023.01

01 Approval 20.09.2005 AD Check GROHMANN SUBSTATION T80

NO. Alteration Date Name Std. Orig. Iss. for

03 AS BUILT 05.12.2005 AD Date 06.06.2005

02 Fact.-Rev. 09.11.2005 AD Drawn ADAM 50.3023.01

01 Approval 20.09.2005 AD Check GROHMANN SUBSTATION T80

NO. Alteration Date Name Std. Orig. Iss. for

03 AS BUILT 05.12.2005 AD Date 06.06.2005

02 Fact.-Rev. 09.11.2005 AD Drawn ADAM 50.3023.01

01 Approval 20.09.2005 AD Check GROHMANN SUBSTATION T80

NO. Alteration Date Name Std. Orig. Iss. for

03 AS BUILT 05.12.2005 AD Date 06.06.2005

02 Fact.-Rev. 09.11.2005 AD Drawn ADAM 50.3023.01

01 Approval 20.09.2005 AD Check GROHMANN SUBSTATION T80

NO. Alteration Date Name Std. Orig. Iss. for

03 AS BUILT 05.12.2005 AD Date 06.06.2005

02 Fact.-Rev. 09.11.2005 AD Drawn ADAM 50.3023.01

01 Approval 20.09.2005 AD Check GROHMANN SUBSTATION T80

NO. Alteration Date Name Std. Orig. Iss. for

03 AS BUILT 05.12.2005 AD Date 06.06.2005

02 Fact.-Rev. 09.11.2005 AD Drawn ADAM 50.3023.01

01 Approval 20.09.2005 AD Check GROHMANN SUBSTATION T80

NO. Alteration Date Name Std. Orig. Iss. for

03 AS BUILT 05.12.2005 AD Date 06.06.2005

02 Fact.-Rev. 09.11.2005 AD Drawn ADAM 50.3023.01

01 Approval 20.09.2005 AD Check GROHMANN SUBSTATION T80

NO. Alteration Date Name Std. Orig. Iss. for

03 AS BUILT 05.12.2005 AD Date 06.06.2005

02 Fact.-Rev. 09.11.2005 AD Drawn ADAM 50.3023.01

01 Approval 20.09.2005 AD Check GROHMANN SUBSTATION T80

NO. Alteration Date Name Std. Orig. Iss. for

03 AS BUILT 05.12.2005 AD Date 06.06.2005

02 Fact.-Rev. 09.11.2005 AD Drawn ADAM 50.3023.01

01 Approval 20.09.2005 AD Check GROHMANN SUBSTATION T80

NO. Alteration Date Name Std. Orig. Iss. for</

Copyright as per DIN 34 to be observed!

D0978102

05.01.2007

03 AS BUILT		05.12.2006	AD	Date	06.06.2005	US STEEL KOSICE/SLOVAKIA		PLUS DIAGRAM		150.3023.01.A3.741.227		V H13	
02 Fact.-Rev.		08.11.2005	AD	Drawn	ADAH	50.3023.01		NIEDERSPG.-SCHR. A-		NIEDERSPG.-SCHR. B		+S1A.R	
01 Approval		20.09.2005	AD	Check	GROHMANN	SUBSTATION T80		PANEL		Typ: 03		Sheet 81	
NO. Alteration		Date	Name	Std.	Iss. for	Orig.		Iss. by:		OUTGOING		D009781.02.613-3.AHA	
												97Sh.	

[illegible]

[illegible]

03 AS BUILT 05.12.2005 AD Date 06.06.2005 US STEEL KOSICE/SLOVAKIA

02 Fact.-Rev. 09.11.2005 AD Drawn ADAM 50.3023.01

01 Approval 20.09.2005 AD Check GROHMANN SUBSTATION T80

NO. Alteration Date Name Std. Orig. Iss. for

RÜCK-REF.	NO												CORES/LINE	DESTINAT. DESIG.	EXTERNAL	POT	NO	DESTINAT. DESIG.	INTERN	CORES/LINE	REMARK
	1	2	3	4	5	6	7	8	9	10	11	12									
/001.5														+S1A.R -X04	D01	102L+	301	-X02	A12	0	
/001.6														+S1A.R -X04	D02	102L+	302	-X02	C15	0	
/001.5														+S1A.R -X04	D03		303	-X02	A13	0	
/001.5														+S1A.R -X04	D04		304	-X02	A14	0	
/001.5														+S1A.R -X04	D05		305	-X02	C16	0	
/001.6														+S1A.R -X04			306	-X02	D01	0	

03 AS BUILT 05.12.2005 AD Date 06.06.2005 US STEEL KOSICE/SLOVAKIA

02 Fact.-Rev. 09.11.2005 AD Drawn ADAM 50.3023.01

01 Approval 20.09.2005 AD Check GROHMANN SUBSTATION T80

NO. Alteration Date Name Std. Orig. Iss. for

RÜCK-REF.	NO												CORES/LINE	DESTINAT. DESIG.	EXTERNAL	POT	NO	DESTINAT. DESIG.	INTERN	CORES/LINE	REMARK
	1	2	3	4	5	6	7	8	9	10	11	12									
/001.5														+S1A.R -X04	D01	102L+	301	-X02	A12	0	
/001.6														+S1A.R -X04	D02	102L+	302	-X02	C15	0	
/001.5														+S1A.R -X04	D03		303	-X02	A13	0	
/001.5														+S1A.R -X04	D04		304	-X02	A14	0	
/001.5														+S1A.R -X04	D05		305	-X02	C16	0	
/001.6														+S1A.R -X04			306	-X02	D01	0	

D00978102 Copyright as per DIN 34 to be observed!

AREVA

NO		CABLE		WIRES USED SHEET/STATE		CABLE-TYPE SECTION		CORES		-ROUTE		CIRCUIT DIAGRAM		C		D		E		F	
1		2		3		4		5		6		7		8		9		10		11	
NO		CABLE		WIRES USED SHEET/STATE		CABLE-TYPE SECTION		CORES		-ROUTE		CIRCUIT DIAGRAM		C		D		E		F	
NO		CABLE		WIRES USED SHEET/STATE		CABLE-TYPE SECTION		CORES		-ROUTE		CIRCUIT DIAGRAM		C		D		E		F	
CABLE MATERIAL Ø COLOR TERM. TYPE																					
STANDARD: H07V-K 1.5MM2 SW STANDARD: MTK-P/P																					
POS.: 0 H05V-K 1.0MM2 SW																					
-X8																					
Rück-REF.		DESTINAT. DESIG.		EXTERNAL		POT		NO		DESTINAT. DESIG.		INTERNAL		CORES/LINE		REMARK					
/003.4											+S1A.R -X04										
/003.5																					
/003.6																					
/004.4																					
/003.4											+S1A.R -X04										
/003.4											+S1A.R -X04										
/003.5											+S1A.R -X04										
/003.5											+S1A.R -X04										
/005.6											+S1A.R -X04										
/005.6											+S1A.R -X04										
/004.4											+S1A.R -X04										
/004.4																					
/008.2																					
/008.3																					
/008.3																					
/008.4																					
/008.2																					
/008.2																					
/008.3																					
/008.3																					
/008.4																					

Copyright as per DIN 34 to be observed!

D00978102

05.01.2007

03 AS BUILT 05.12.2005 AD Date 05.06.2005

02 Faci.-Rev. 09.11.2005 AD Drawn ADAM

01 Approval 20.06.2005 AD Check GROHMANN

NO Alteration Date Name Std.

US STEEL KOSTICE/SLOVAKIA

50.3023.01

SUBSTATION T60

Orig. Iss. for

TERMINAL DIAGRAM

PANEL 13

AREVA

Iss. by:

50.3023.01.A3.741.227

V=L13

+SIB.R

Typ: 03

OUTGOING

D009781.02.613-3.AHA

97Sh.

03	AS BUILT	05.12.2005	AD	Date	06.06.2005	US STEEL KOSICE/SLOVAKIA		TERMINAL DIAGRAM		50_3023_01_43_741_227		V = L13	
02	Fact. - Rev.	09.11.2005	AD	Drawn	ADAM	50_3023_01		PANEL		Type: 03		/ K30	
01	Approval	20.09.2005	AD	Check	GROHMANN	SUBSTATION T80		13		OUTGOING		Sheet 88	
NO.	Alteration	Date	Name	Std.	Orig.	Iss for	Iss by:	D009781.02_613-3_AHA		97Sh.			

03	AS BUILT	06.12.2005	AD	Date	06.06.2005	US STEEL KOSICE/SLOVAKIA		CROSS CONNECT. LIST RELAY BOX	50_3023_01_A3_74_1_227	V=L13	
02	Fact. -Rev.	09.11.2005	AD	Drawn	ADAM	50_3023_01					
01	Approval	20.09.2005	AD	Check	GROHMANN	SUBSTATION T80		PANEL	Type: 03 OUTGOING	Sheet 09 97Sh.	
00	Allocation	Date	Name	Sid		Iss for	Iss by:	13	D009781.02.613-3_AHA		
						Drawn:					

TERMINAL DIA. , 64-POLE , CIRCUIT-BREAKER SOCKET

+S1B.R -X02
 CABLE MATERIAL H05V-K 1.0mm2 SW

A				B				C				
+												+
1	-X1 /L01.6 H05V-K 1.0MM2 SW	101		-X8 /003.4 H05V-K 1.0MM2 SW	806		-X1 /002.4 H05V-K 1.0MM2 SW	110		-X3 /001.6 H05V-K 1.0MM2 SW	306	1
2	-X1 /L01.6 H05V-K 1.0MM2 SW	102		-X8 /008.2 H05V-K 1.0MM2 SW	813		-X1 /002.4 H05V-K 1.0MM2 SW	111		-X8 /003.5 H05V-K 1.0MM2 SW	802	2
3	-X1 /L01.6 H05V-K 1.0MM2 SW	121		-X8 /008.2 H05V-K 1.0MM2 SW	817					-X8 /003.5 H05V-K 1.0MM2 SW	807	3
4	-X1 /L01.6 H05V-K 1.0MM2 SW	123		-X8 /008.2 H05V-K 1.0MM2 SW	818					-X8 /003.5 H05V-K 1.0MM2 SW	808	4
5	-X1 /L01.6 H05V-K 1.0MM2 SW	122		-X0 /001.3 H05V-K 1.0MM2 SW	5		-X0 /002.2 H05V-K 1.0MM2 SW	025		-X9 /002.4 H05V-K 1.0MM2 SW	906	5
6	-X1 /L01.6 H05V-K 1.0MM2 SW	124		-X0 /001.3 H05V-K 1.0MM2 SW	7		-X0 /002.2 H05V-K 1.0MM2 SW	027		-X9 /002.4 H05V-K 1.0MM2 SW	916	6
7	-X8 /L01.6 H05V-K 1.0MM2 SW	804		-X1 /003.6 H05V-K 1.0MM2 SW	128					-X8 /008.4 H05V-K 1.0MM2 SW	816	7
8	-X8 /L01.6 H05V-K 1.0MM2 SW	811		-X1 /003.6 H05V-K 1.0MM2 SW	131					-X8 /008.4 H05V-K 1.0MM2 SW	821	8
9	-X8 /L01.6 H05V-K 1.0MM2 SW	812		-X9 /002.2 H05V-K 1.0MM2 SW	901		-X9 /002.2 H05V-K 1.0MM2 SW	902		-X9 /002.5 H05V-K 1.0MM2 SW	907	9
10	-X4 /R01.5 H05V-K 1.0MM2 SW	401		-X9 /002.2 H05V-K 1.0MM2 SW	911		-X9 /002.2 H05V-K 1.0MM2 SW	912		-X9 /002.5 H05V-K 1.0MM2 SW	917	10
11	-X4 /R01.5 H05V-K 1.0MM2 SW	402		-X1 /003.3 H05V-K 1.0MM2 SW	127		-X9 /002.3 H05V-K 1.0MM2 SW	903		-X9 /002.4 H05V-K 1.0MM2 SW	905	11
12	-X3 /R01.5 H05V-K 1.0MM2 SW	301		-X1 /003.3 H05V-K 1.0MM2 SW	130		-X9 /002.3 H05V-K 1.0MM2 SW	913		-X9 /002.4 H05V-K 1.0MM2 SW	915	12
13	-X3 /R01.5 H05V-K 1.0MM2 SW	303		-X8 /008.3 H05V-K 1.0MM2 SW	815		-X9 /002.5 H05V-K 1.0MM2 SW	908		-X1 /P02.4 H05V-K 1.0MM2 SW	181	13
14	-X3 /R01.5 H05V-K 1.0MM2 SW	304		-X8 /008.3 H05V-K 1.0MM2 SW	820		-X9 /002.5 H05V-K 1.0MM2 SW	918		-X0 /P02.4 H05V-K 1.0MM2 SW	023	14
15	-X8 /R03.4 H05V-K 1.0MM2 SW	801		-X8 /008.3 H05V-K 1.0MM2 SW	814		-X3 /001.6 H05V-K 1.0MM2 SW	302				15
16	-X8 /R03.4 H05V-K 1.0MM2 SW	805		-X8 /008.3 H05V-K 1.0MM2 SW	819		-X3 /001.6 H05V-K 1.0MM2 SW	305				16
+												+

Subject to technical modifications!
 Copyright as per DIN 34 to be observed!

05.01.2007
 HJ0115ND
 S01
 ADAM

03	AS BUILT	05.12.2005	AD	Date	05.06.2005	US STEEL KOSICE/SLOVAKIA	50.3023.01	PLUG DIAGRAM	50.3023.01.A3.741.227	V=L13	/S01
02	Fact.-Rev.	09.11.2005	AD	Drawn	ADAM	50.3023.01		CIRCUIT-BREAKER		+S1B.R	/S01
01	Approval	20.08.2005	AD	Check	GROHMANN	SUBSTATION T80		PANEL			Sheet 90
NO	Alteration	Date	Name	Sld.	Iss.for	Iss.by:	Orig.	13	OUTGOING	D009781.02.613-3.AHA	97Sh.

CROSS CONNECTION									
REFERENCE	POTENTIAL ITEM CR. SECTION	CABLE MATERIAL COLOR	OUTPUT TERMINAL	DESTINATION 1	DESTINATION 2	DESTINATION 3	DESTINATION 4	DESTINATION 5	DESTINATION 6
001	102L+ 1 1.5MM2	H07V-K SW	-S1	-08 11 -S1	-08 23				A
002	03L+ 1 1.5MM2	H07V-K SW	-S1	-08 31 -S1	-08 43				B
									C
									D
									E
									F
									G
									H
									I
									J
									K
									L
									M
									N
									O
									P
									Q
									R
									S
									T
									U
									V
									W
									X
									Y
									Z

Copyright as per DIN 34 to be observed!

D0978102

HJ0115ND
=L13+S2A
020
ADAN

03 AS BUILT 05.12.2005 AD Date 05.06.2005 US STEEL KOSICE/SLOVAKIA CROSS CONNECT. LIST PANEL 50.3023.01.A3.741.227 VI=L13 +S2A 7.020

02 Fact.-Rev. 09.11.2005 AD Drawn ADAN

01 Approval 20.09.2005 AD Check GROHMANN SUBSTATION T80

NO. Alteration Date Name Sld. Iss. for Orig.

Iss.by: AREVA

Typ: 03 OUTGOING D009781.02.613-3_AHA Sheet 91 of 97 Sh.

HJ0115ND
=L13+S2A
Q20
ADAN

03	AS BUILT	05.12.2005	AD	Date	06.06.2005	US STEEL KOSICE/SLOVAKIA	 AREVA	GROSS CONNECT. LIST		50_3023.01_A3_741_227		V = L13	
02	Fact.-Rev.	06.11.2005	AD	Drawn	ADAM	50_3023_01		PANEL					/ Q20
01	Approval	20.09.2005	AD	Checked	GROHMANN	SUBSTATION T80		PANEL			Typ: Q3		Sheet 91
NO.	Alteration	Date	None/Std.	Orig.:	iss. for	iss. by:	13	D009781.02_613-3_AHA		OUT601NG		97Sh.	

1	2	3	4	5	6	7	8		
CROSS CONNECTION									
REFERENCE	POTENTIAL ITEM CR. SECTION	CABLE MATERIAL COLOR	OUTPUT TERMINAL	DESTINATION 1	DESTINATION 2	DESTINATION 3	DESTINATION 4	DESTINATION 5	DESTINATION 6
D01	0 1.0MM2	H05V-K SW	-X01	B05 -S1	-001 71				
D01	0 1.0MM2	H05V-K SW	-X01	B06 -S1	-001 72				
L01	111L+ 0 1.0MM2	H05V-K SW	-X01	A01 -S22	-001 11				
L01	111L- 0 1.0MM2	H05V-K SW	-X01	A02 -S23	-001 12				
N01	0 1.0MM2	H05V-K SW	-F2	-001 C1 -S1	-001 222				
N01	0 1.0MM2	H05V-K SW	-F2	-001 C2 -S43	-001 11				
N01	0 1.0MM2	H05V-K SW	-S1	-001 221 -S21	-001 14				
N01	0 1.0MM2	H05V-K SW	-S21	-001 13 -S6	-001 12				
N01	0 1.0MM2	H05V-K SW	-X01	A03 -S1	-001 213				
N01	102L- 0 1.0MM2	H05V-K SW	-X01	A04 -F11	-001 C2				
N01	0 1.0MM2	H05V-K SW	-X01	A05 -S6	-001 11				
N01	0 1.0MM2	H05V-K SW	-X01	A06 -S43	-001 12				
N03	102L+ 0 1.0MM2	H05V-K SW	-X01	B07 -S1	-001 83				
N03	0 1.0MM2	H05V-K SW	-X01	B08 -S1	-001 84				
P01	0 1.0MM2	H05V-K SW	-S1	-01 32 -S61	14				
P01	0 1.0MM2	H05V-K SW	-X01	C05 -S1	-01 31				
P01	BUSEBAR ES RELEASE 0 1.0MM2	H05V-K SW	-X01	C06 -S61	11				
P01	DRAWING UNIT RELEASE 0 1.0MM2	H05V-K SW	-X01	D13 -Y1	E1				
P01	214L- 0 1.0MM2	H05V-K SW	-X01	D14 -Y1	E2				
001	102L+ 0 1.0MM2	H05V-K SW	-X01	A12 -S1	-001 11 -S1	-001 23			
AS BUILT 05.12.2005 AD Date 06.06.2005				GROSS CONNECT - LIST				150.3023.01.A3.741.227	
Fact.-Rev. 03.11.2005 AD Drawn ADAM				SWITCHING TRUCK				V=L13	
Approval 20.06.2005 AD Check GROHMANN				PANEL				+S3A	
Alteration Date Name Std.				Iss. for				D009781.02.613-3.AHA	
NO.				Iss. by:				Typ: 03	
								OUTGOING	
								Sheet 92	
								Sheet 93	
								Sheet 94	

Copyright as per DIN 34 to be observed!

ADAM
030
H0115ND
=L13+S3A

05.01.2007

CROSS CONNECTION

REFERENCE	POTENTIAL ITEM CR. SECTION	CABLE MATERIAL COLOR	OUTPUT TERMINAL	DESTINATION 1	DESTINATION 2	DESTINATION 3	DESTINATION 4	DESTINATION 5	DESTINATION 6
001	0 1.0MM2	H05V-K SW	-X01	A13 -S1	-001 12				
001	0 1.0MM2	H05V-K SW	-X01	A14 -S1	-001 24				
001	0 1.0MM2	H05V-K SW	-X01	C15 -S1	-01 11 -S1	-01 13			
001	0 1.0MM2	H05V-K SW	-X01	C16 -S1	-01 12				
001	0 1.0MM2	H05V-K SW	-X01	D01 -S1	-01 14				
002	0 1.0MM2	H05V-K SW	-X01	A15 -S1	-001 31 -S1	-001 43			
002	0 1.0MM2	H05V-K SW	-X01	A16 -S1	-001 32				
002	0 1.0MM2	H05V-K SW	-X01	B01 -S1	-001 44				
002	0 1.0MM2	H05V-K SW	-X01	D02 -S1	-01 21 -S1	-01 23			
002	0 1.0MM2	H05V-K SW	-X01	D03 -S1	-01 22				
002	0 1.0MM2	H05V-K SW	-X01	D04 -S1	-01 24				
004	0 1.0MM2	H05V-K SW	-X01	A07 -S24	-001 11				
004	0 1.0MM2	H05V-K SW	-X01	A08 -S24	-001 12				
004	0 1.0MM2	H05V-K SW	-X01	A09 -S24	-001 14				
007	0 1.0MM2	H05V-K SW	-X01	B02 -S1	-001 51 -S1	-001 63			
007	0 1.0MM2	H05V-K SW	-X01	B03 -S1	-001 52				
007	0 1.0MM2	H05V-K SW	-X01	B04 -S1	-001 64				
007	0 1.0MM2	H05V-K SW	-X01	B13 -S42	-001 11				
007	0 1.0MM2	H05V-K SW	-X01	B14 -S42	-001 14				
007	0 1.0MM2	H05V-K SW	-X01	B15 -S25	-001 11				

03
02
01
NO.

AS BUILT
Fact.-Rev.
Approval
Alteration

05.12.2005
08.11.2005
20.08.2005
Date

ADAM
ADAM
Check
Name

06.06.2005
06.06.2005
06.06.2005
Date

US STEEL KOSICE/SLOVAKIA
50.2023.01
SUBSTATION T80
Orig.

50.2023.01
50.2023.01
50.2023.01
Date

GROSS CONNECT. LIST
SWITCHING TRUCK
PANEL
Iss.for

AREVA

50.3023.01.A3.741.227
OUT60N6
D009781.02.613-3.AHA

V
-L13
-SSA
/031
Sheet 93
97 Sh.

CROSS CONNECTION									
REFERENCE	POTENTIAL ITEM GR. SECTION	CABLE MATERIAL COLOR	OUTPUT TERMINAL	DESTINATION 1	DESTINATION 2	DESTINATION 3	DESTINATION 4	DESTINATION 5	DESTINATION 6
007	0 1.0MM2	H05V-K SW		-X01	B16 -S25	-001 14			
007	0 1.0MM2	H05V-K SW		-X01	D07 -S1	-01 33			
007	0 1.0MM2	H05V-K SW		-X01	D08 -S1	-01 34			
R01	0 1.0MM2	H05V-K SW		-X01	A10 -S41	-001 11			
R01	0 1.0MM2	H05V-K SW		-X01	A11 -S1	-001 230			
V01	0 1.0MM2	H05V-K SW		-S1	-01 42 -S62	14			
V01	0 1.0MM2	H05V-K SW		-X01	B09 -S1	-001 91			
V01	0 1.0MM2	H05V-K SW		-X01	B10 -S1	-001 92			
V01	0 1.0MM2	H05V-K SW		-X01	B11 -S1	-01 41			
V01	0 1.0MM2	H05V-K SW		-X01	B12 -S62	11			
V01	0 1.0MM2	H05V-K SW		-X01	C09 -S1	-001 103			
V01	0 1.0MM2	H05V-K SW		-X01	C10 -S1	-001 104			
V01	0 1.0MM2	H05V-K SW		-X01	C11 -S1	-001 111			
V01	0 1.0MM2	H05V-K SW		-X01	C12 -S1	-001 112			
V01	0 1.0MM2	H05V-K SW		-X01	C13 -S63	14			
V01	0 1.0MM2	H05V-K SW		-X01	C14 -S63	11			
V01	0 1.0MM2	H05V-K SW		-X01	D05 -S1	-01 51			
V01	0 1.0MM2	H05V-K SW		-X01	D06 -S1	-01 52			
V01	0 1.0MM2	H05V-K SW		-X01	D09 -S1	-01 61			
V01	0 1.0MM2	H05V-K SW		-X01	D10 -S1	-01 62			
				GROSS CONNECT. LIST SWITCHING TRUCK			50.3023.01.A3.741.227		
				PANEL			/ Q32		
				13			/ Sheet 94		
				iss.by:			D009781.02.613-3. AHA		
				iss.for					
				Orig.:					
				Date					
				Name/Sid.					
				Date					
				Name/Sid.					
				Date					
				Name/Sid.					
				Date					
				Name/Sid.					
				Date					
				Name/Sid.					
				Date					
				Name/Sid.					
				Date					
				Name/Sid.					
				Date					
				Name/Sid.					
				Date					
				Name/Sid.					
				Date					
				Name/Sid.					
				Date					
				Name/Sid.					
				Date					
				Name/Sid.					
				Date					
				Name/Sid.					
				Date					
				Name/Sid.					
				Date					
				Name/Sid.					
				Date					
				Name/Sid.					
				Date					
				Name/Sid.					
				Date					
				Name/Sid.					
				Date					
				Name/Sid.					
				Date					
				Name/Sid.					
				Date					
				Name/Sid.					
				Date					
				Name/Sid.					
				Date					
				Name/Sid.					
				Date					
				Name/Sid.					
				Date					
				Name/Sid.					
				Date					
				Name/Sid.					
				Date					
				Name/Sid.					
				Date					
				Name/Sid.					
				Date					
				Name/Sid.					
				Date					
				Name/Sid.					
				Date					
				Name/Sid.					
				Date					
				Name/Sid.					
				Date					
				Name/Sid.					
				Date					
				Name/Sid.					
				Date					
				Name/Sid.					
				Date					
				Name/Sid.					
				Date					
				Name/Sid.					
				Date					
				Name/Sid.					
				Date					
				Name/Sid.					
				Date					
				Name/Sid.					
				Date					
				Name/Sid.					
				Date					
				Name/Sid.					
				Date					
				Name/Sid.					
				Date					
				Name/Sid.					
				Date					
				Name/Sid.					
				Date					
				Name/Sid.					
				Date					
				Name/Sid.					
				Date					
				Name/Sid.					
				Date					
				Name/Sid.					
				Date					
				Name/Sid.					
				Date					
				Name/Sid.					
				Date					
				Name/Sid.					
				Date					
				Name/Sid.					
				Date					
				Name/Sid.					
				Date					
				Name/Sid.					
				Date					

[illegible]

TERMINAL DIA., 64 POLIG, CIRCUIT-BREAKER PIN

+S3A -X01
CABLE MATERIAL H05V-K 1.0mm2 SW

A		B		C		D	
+	+	+	+	+	+	+	+
1	-001 /L01.2	-001 /002.4	-001 /001.5	-01 /001.3	-01 /001.3	-01 /001.3	11
2	-001 /L01.2	-001 /007.2	-001 /001.5	-01 /001.3	-01 /001.3	-01 /001.3	12
3	-001 /L01.6	-001 /007.2	-001 /001.5	-01 /001.3	-01 /001.3	-01 /001.3	213
4	-001 /L01.6	-001 /007.2	-001 /001.5	-01 /001.3	-01 /001.3	-01 /001.3	62
5	-001 /L01.7	-001 /007.2	-001 /001.5	-01 /001.3	-01 /001.3	-01 /001.3	52
6	-001 /L01.7	-001 /007.2	-001 /001.5	-01 /001.3	-01 /001.3	-01 /001.3	31
7	-001 /L01.7	-001 /007.2	-001 /001.5	-01 /001.3	-01 /001.3	-01 /001.3	11
8	-001 /L01.7	-001 /007.2	-001 /001.5	-01 /001.3	-01 /001.3	-01 /001.3	103
9	-001 /L01.7	-001 /007.2	-001 /001.5	-01 /001.3	-01 /001.3	-01 /001.3	104
10	-001 /L01.7	-001 /007.2	-001 /001.5	-01 /001.3	-01 /001.3	-01 /001.3	111
11	-001 /L01.7	-001 /007.2	-001 /001.5	-01 /001.3	-01 /001.3	-01 /001.3	112
12	-001 /L01.7	-001 /007.2	-001 /001.5	-01 /001.3	-01 /001.3	-01 /001.3	14
13	-001 /L01.7	-001 /007.2	-001 /001.5	-01 /001.3	-01 /001.3	-01 /001.3	11
14	-001 /L01.7	-001 /007.2	-001 /001.5	-01 /001.3	-01 /001.3	-01 /001.3	11
15	-001 /L01.7	-001 /007.2	-001 /001.5	-01 /001.3	-01 /001.3	-01 /001.3	11
16	-001 /L01.7	-001 /007.2	-001 /001.5	-01 /001.3	-01 /001.3	-01 /001.3	12
+	+	+	+	+	+	+	+

03	AS BUILT	05.12.2005	AD	Date	06.06.2005	US STEEL KOSTICE/SLOVAKIA	PLUG DIAGRAM	50.3023.01.A3.741.227	VI=L13
02	Fact. -Rev.	09.11.2005	AD	Drawn	ADAM	50.3023.01	CIRCUIT-BREAKER	+S3A	/S01
01	Approval	20.09.2005	AD	Check	GROHMANN	SUBSTATION T80	PANEL	D009781.02.613-3.AHA	Sheet 96
NO.	Alteration	Date	Name	Std.	Iss.	for	Iss.	OUTGOING	97Sh.

Subject to technical modifications!
Copyright as per DIN 34 to be observed!

D0978102

