



US STEEL KOSICE/SLOVAKIA
50.3023.01
HV EQUIPMENT

WIRING DIAGRAM

V = E21.ASP + E21 / A00

025.011551- 5252 04

50.3023.01.000.701.XXX
COVERSHEET

DATE :	17.05.2005
DRAWN :	KRAMBECK
CHECK.:	KLUGE
NORM :	

04 AS BUILT SITE	01.12.06	KRA.
03 AS BUI. WORKS.	14.11.05	BER
02 HEATING	23.08.05	BER
No. Revision	Date	Name

21.12.2006
H011551
E21.ASP+E21
A00
KLUGE
KRAMBECK

[illegible]

1		2		3		4		5		6		7		8			
Montage/Hinweise				Leitungsmaterial		Klemmen-Typ		Standard: PHOENIX UK5N/US/K610		Standard: H07Z-K 1,5mm ²		BK					

1

2

3

4

5

6

7

8

Montage/Hinweise

Leitungsmaterial:
Standard: H07Z-K
1,5mm²

BK

-Q0
-X1

Klemmen-Typ
Standard: PHOENIX UK5N/USLKG10

Rück- Verweis	Ltg (Ø in mm2) Kabel	Ader	Zielbezeichnungen INTERN	Pot	Nr	Zielbezeichnungen EXTERN	Ltg (Ø in mm2) Kabel	Ader	Bemerkung
			-S1.4	12	111				
			-S1.4	11	112				
			-S1.4	3	113				
			-S1.4	4	114				
			-S1.4	14	121				
			-S1.4	13	122				
			-S1.4	5	123				
			-S1.4	6	134				
			-S1.4	16	131				
			-S1.4	15	132				
			-S1.4	7	133				
			-S1.4	8	134				

21.12.2006

HJ011551

KEZ1 ASP+E21

KRAMBECK

KLÜGEH

KRAMBECK

Schutzvermerk nach DIN 34 beachten!

0.4

AS BUILT SITE

11.06

KRA

Datum

17.05.2005

IUS STEEL KOSICE/SLOVAKIA

50.3023.01

50.3023.01

50.3023.01.000.701.xxx

V =E21.ASP

+E21

/ K02

03

AS BUILT WORKS

11.11.05

BER

Beordr

KRAMBECK

KLÜGE

02

HEATING

13.06.05

BER

Gepr.

Ursp.

Ersf.

Ersd.

025.011551-5252

04

21Bl.

1		2		3		4		5		6		7		8	
montage/Hinweise		Lichtungsmaterial		Klemmen-Typ		Standard: PHOENIX UK5N/USLK610		Standard: H07Z-K 1,5mm ²		BK		-Q0 -X1			
Rück- Verweis	Ltg (ø in mm2) Kabel	Ader	Zielbezeichnungen		EXTERN	Pot	Nr	Zielbezeichnungen		INTERN	Ltg (ø in mm2) Kabel	Ader	Bemerkung	A	
/L01.2	WS121001	10	+ASP21 -X1		72	+L1.12	450			1					
							451								
/L01.2	WS121001	11	+ASP21 -X1		74	-L1.12	465			6					
							466								
			-R2		1		480			500					
							481								
							482								
							483								
			-R2		2		484			515					
							485								
							486								
/D01.2	WS121051	BN	+ANJ21 -X?		L	L1H	500			480					
							501								
/D01.2	WS121051	BK	+ANJ21 -X?		N	PEN	515			484					
							516								
							530								
			-F1		4		532			A1					
			-F1		1		533			850					
							534			13					
							535								
							536			7					
							537			21					
/R02.5			-00		-X1	890	538								
							539								
							540								
							541								
/M02.3	WS121001	2	+ASP21 -X1		3	+L1.11	600								
			-F1		3		601			13					
							602								
							603								
							604								
/M02.3	WS121001	5	+ASP21 -X1		6a	-L1.11	605								
			-S4		44		606			A2					
							607								
							608								
/M01.6	WS121001	9	+ASP21 -X1		40	ON +	609								
							610			1					
							611								
/M01.6	WS121001	4	+ASP21 -X1		6	-L1.11	625			-S3					

Schutzvermerk nach DIN 34 beachten!

KRAMBECK
KLUGHE
HJ011551
K03
=E21 ASP+E21

04	AS BUILT SITE	14.12.06	KRA.	Datum	17.05.2005	US STEEL KOSICE/SLOVAKIA		TERMINAL DIAGRAM		50.3023.01.000.701.xxx		V =E21 ASP			
03	AS BUILT WORKS	14.11.05	BER	Beord	KRAMBECK	50.3023.01		CIRCUIT BREAKER				+E21		/ K03	
02	HEATING	23.08.05	BER	Geor.	KLUGE			-00						Blatt 5	
Zust.	Änderung	Datum	Norm	Norm	Urspr.	Ersf.	Ersd.							025.011551-5252	
1														04	
														21Bl	

1		2		3		4		5		6		7		8									
Anlage/Hinweise		Leitungsmaterial		Standard: H07Z-K 1,5mm ²		-Q0 -X1		Klemmen-Typ		Standard: PHOENIX UK5N													
Rück- Verweis		Lig (Ø in mm2) Kabel		Ader		Zielbezeichnungen		EXTERN		Pot		Nr		Zielbezeichnungen		INTERN		Lig (Ø in mm2) Kabel		Ader		Bemerkung	
/M01.2		WS121001		6		+ASP21 -X1		31		+00.1.1		626		-S3		9							
/M01.2		WS121001		3		+ASP21 -X1		5		-L1.11		631		-K14		32							
												645											
												646											
												676		-S2		11							
												677		-S2		5							
												678		-S2		12							
												679		-S2		6							
/M01.3		WS121001		7		+ASP21 -X1		35		+00.1.4		688		-S1.1		13							
												700											
												705											
/M01.4		WS121002		BK		+ASP21 -X1		34		+00.1.2		730		-S1.1		3							
/M01.4		WS121002		BN		+ASP21 -X1		12		-L1.21		731		-K14		62							
												745											
												746											
/M01.4		WS121002		GY		+ASP21 -X1		36		+00.1.9		750											
/R02.2		WS121003		1		+ASP21 -X1		25		+L1.41		788		-S1.1		15							
/R02.4		WS121003		4		+ASP21 -X1		60		H732		850		-X1		532							
/R02.2		WS121003		2		+ASP21 -X1		58		H731		870		-F1		2							
												872		-K14		14							
												873											
/R02.3		WS121003		3		+ASP21 -X1		59		H671		874		-S2		8							
/R02.4		WS121003		5		+ASP21 -X1		61		H672		878		-01		22							
												880											
/R02.5						-00		538				884		-S3		14							
												890		-S3		13							
/R02.5		WS121003		6		+ASP21 -X1		62				892		-S3		15							
												894		-S3									
												896											
												898											
												900											
												902											
												PE1											
												PE2											
/D01.2		WS121051		6Y		+ANJ21 -X?		PE		PE		PE3											

21.12.2006

H011551

EZ1 ASP+E21

KRAMBECK

KLUGEH

Schutzvermerk nach DIN 34 beachten!

AS BUILT SITE		17.05.2005	KRA		Datum		17.05.2005		US STEEL KOSICE/SLOWAKIA		TERMINAL DIAGRAM		50_3023.01.000.701xxx		V =EZ1 ASP		8		
03 AS BUI. WORKS		14.11.05	BER		Bearb		KRAMBECK		50_3023.01		CIRCUIT BREAKER				+EZ1		7		
02 HEATING		23.08.05	BER		Gepr.		KLUGE										Blatt6		
Zust.		Änderung		Datum		Name		Norm		Urspr.:		Ers.f.:		025.011551-5252		04		21Bl.	

1		2		3		4		5		6		7		8					
Montage/ Hinweise				Leitungsmaterial				Klemmen-Typ				Standard: PHOENIX UK5N							
				BK															
Rück-Verweis				Ader				Zielbezeichnungen				INTERN							
Ltg (ø in mm2)				Kabel				Ader				Zielbezeichnungen				EXTERN			
Ltg (ø in mm2)				Kabel				Ader				Zielbezeichnungen				EXTERN			
Bemerkung																			
/P01.3				-S1	42	F5.1		11	+ASP21 -X1	307	WS121016	BN							
/P01.3				-S1	41	+1.11		12	+ASP21 -X1	305	WS121016	BU							
/S04.2				-S1	43	VM1.1W1		13	+ASP21 -X1	313	WS121007	1							
/S04.2				-S1	44	VM1.1W		14	+ASP21 -X1	329	WS121007	4							
/P01.3				-S1	52	F5.2		21	+ASP21 -X1	311	WS121016	GY							
/P01.3				-S1	51	+1.21		22	+ASP21 -X1	309	WS121016	BK							
/S04.3				-S1	53	VM2.1W1		23	+ASP21 -X1	314	WS121007	2							
/S04.3				-S1	54	VM2.1W		24	+ASP21 -X1	332	WS121007	5							
				-S1	62			31											
				-S1	61			32											
/S04.3				-S1	63	VM3.1W1		33	+ASP21 -X1	315	WS121007	3							
/S04.3				-S1	64	VM3.1W		34	+ASP21 -X1	335	WS121007	6							
/011.2				-S1	72	301		41	+ASP21 -X1	138	WS121008	BK							
				-S1	71			42											
/011.2				-S1	73	+L1.41		43	+ASP21 -X1	86	WS121008	BN							
/011.2				-S1	74	401		44	+ASP21 -X1	139	WS121008	GY							
				-S1	82			51											
				-S1	81			52											
				-S1	83			53											
				-S1	84			54											
				-S1	92			61											
				-S1	91			62											
				-S1	93			63											
				-S1	94			64											
				-S1	102			71											
				-S1	101			72											
				-S1	103			73											
				-S1	104			74											
								PE1							PHOENIX USLKG10				

21.12.2006

H4011551

E21.ASP+E21

KLUEH

KRAMBECK

AS BUILT SITE

01.12.05

KRA.

Dotum

17.05.2005

US STEEL KOSICE/SLOWAKIA

AS BUI. WORKS.

14.11.05

BER

Bearb

KRAMBECK

50.3023.01

HEATING

23.08.05

BER

Bepr.

KLUEH

Zust.

Änderung

Dotum

Norm

Urspr.

Ersd.

TERMINAL DIAGRAM

MOTOR DRIVE

ISOLATOR

-01

CM001

50.3023.01.000..701.xxx

V

E21.ASP

+E21

7 K11

Blatt7

21Bl.

025.011551-5252

04

7

8

Schutzvermerk nach DIN 34 beachten!

21.12.2006
H401551
-E21-ASP+E21
KLUGE KRAMBECK

04	AS BUILT SITE	01.12.05	KRA	Datum	17.05.2005	US STEEL KOSICE/SLOVAKIA	50.3023.01	TERMINAL DIAGRAM	CMND1	50.3023.01.000.701.xxx	V = E21.ASP +E21	7 K11
03	AS BUILT WORKS	14.11.05	BER	Bezeichnet	KRAMBECK	50.3023.01		MOTOR DRIVE				
02	HEATING	23.08.05	BER	Gepr.	KLUGE			ISOLATOR				Blatt 7
Zust.	Änderung	Datum	Name	Norm	Urspr.	Ersd.	Ersf.	-01		025.011551-5252	04	21Bl.

1		2		3		4		5		6		7		8	
Montage/Hinweise				Leitungsmaterial Standard: H07Z-K 1,5mm ²		Klemmen-Typ Standard: PHOENIX UKSW									
Rück-Verweis		Ltg (ø in mm²)	Ader	Zielbezeichnungen	INTERN	Pot	Nr	Zielbezeichnungen	EXTERN	Ltg (ø in mm²) Kabel	Ader	Bemerkung			
/D01.3	WS121052		BN	+ANJ21 -X?	L	L1H	400	-X1	480						
/D01.3	WS121052		2	+ANJ21 -X?	N	PEN	401	-X1	481						
/M03.5	WS121006			-Q1	450		410	-S4	13 Q						
/M03.5	WS121006		4	+ASP21 -X1	156	+L1.31J	411	-K1	13 Q						
/L02.2	WS121006		8	+ASP21 -X1	76	+L1.32	414	-F1	1						
/M03.5	WS121006			-Q1	434		416	-S4	24 Q						
/M03.5	WS121006		5	+ASP21 -X1	161	-L1.31	419	-K1	53 Q						
/L02.2	WS121006		9	+ASP21 -X1	78	-L1.32	420	-F1	6						
/M03.2	WS121006		3	+ASP21 -X1	143	12Q1	421	-S3	1						
/M03.3	WS121006		2	+ASP21 -X1	142	11Q1	432	-S3	9						
/M03.2	WS121006			-Q1	418		434	-S3	5						
/M03.5	WS121006			-A1	6		436	-M1	BK/BU						
/M03.5	WS121006			-A1	H		440	-K1	H Q						
/M03.4	WS121006		7	+ASP21 -X1	344		441	-M1	BU/BK						
/M03.3	WS121006		1	+ASP21 -X1	141		442	-K1	3 Q						
/M03.4	WS121006		6	+ASP21 -X1	343		443	-S3	13						
/M03.5	WS121006			-Q1	410		446	-F1	97						
/M03.4	WS121006			+ASP21 -X1	344		447	-S3	14						
/M03.3	WS121006			+ASP21 -X1	141		451	-F1	98						
/M03.4	WS121006			+ASP21 -X1	343		452	-S3	15						
/M03.5	WS121006			+ASP21 -X1	141		453	-S3	13						
/M03.4	WS121006			+ASP21 -X1	343		456	-S3	15						
/M03.5	WS121006			+ASP21 -X1	141		457	-S3	15						

21.12.2006

H011551

E21.ASP+E21

K1UEH

KRAMBECK

Schutzvermerk nach DIN 34 beachten!

AS BUILT SITE 01.12.06 KRA Datum 17.05.2005

AS BUL WORKS 14.11.05 BER Beorbi KRAMBECK

HEATING 23.06.05 BER Gepr KLUGE

Zust. Änderung Datum Name Norm

US STEEL KOSTICE/SLOWAKIA

50.3023.01

Urspr.: Ersf.: Δ 3

TERMINAL DIAGRAM

MOTOR DRIVE

ISOLATOR

CMM01

50.3023.01.000.701.xxx

V =E21.ASP +E21

025.011551-5252 04

Blatt 8

21BL

Schutzvermerk nach DIN 34 beachten!

1		2		3		4		5		6		7		8					
Montage/Hinweise				Leitungsmaterial				Klemmen-Typ				Standard: PHOENIX UKSN							
				Standard: H07Z-K 1,5mm ²				BK				-Q2 -X1							
Rück- Verweis		Ltq (Ø in mm2) Kabel		Ader		Zielbezeichnungen INTERN		Pot		Nr		Zielbezeichnungen EXTERN		Ltq (Ø in mm2) Kabel		Ader		Bemerkung	
/P01.5						-S1		42		F5.1		+ASP21 -X1		308		WS121017		BN	
/P01.5						-S1		41		12		+ASP21 -X1		306		WS121017		BU	
/S04.4						-S1		43		13		+ASP21 -X1		316		WS121011		1	
/S04.4						-S1		44		14		+ASP21 -X1		330		WS121011		4	
/P01.6						-S1		52		21		+ASP21 -X1		312		WS121017		GY	
/P01.6						-S1		51		22		+ASP21 -X1		310		WS121017		BK	
/S04.4						-S1		53		23		+ASP21 -X1		317		WS121011		2	
/S04.4						-S1		54		24		+ASP21 -X1		333		WS121011		5	
						-S1		62		31									
						-S1		61		32									
/S04.4						-S1		63		33		+ASP21 -X1		318		WS121011		3	
/S04.4						-S1		64		34		+ASP21 -X1		336		WS121011		6	
/O10.2						-S1		72		41		+ASP21 -X1		95		WS121012		BK	
						-S1		71		42									
/O10.2						-S1		73		43		+ASP21 -X1		83		WS121012		BN	
/O10.2						-S1		74		44		+ASP21 -X1		96		WS121012		GY	
						-S1		82		51									
						-S1		81		52									
						-S1		83		53									
						-S1		84		54									
						-S1		92		61									
						-S1		91		62									
						-S1		93		63									
						-S1		94		64									
						-S1		102		71									
						-S1		101		72									
						-S1		103		73									
						-S1		104		74									
										PE1								PHOENIX USLKG10	

21.12.2006

H011551

E21.ASP+E21

KLUGE

KRAMBECK

AS BUILT SITE

17.12.06

KRA

17.05.2005

US STEEL KOSTICE/SLOWAKIA

AS BUL WORKS

14.11.05

BER

Beorbi KRAMBECK

50.3023.01

HEATING

23.08.05

BER

KLUGE

50.3023.01

Zust.

Anderung

Datum

Name

Norm

Urspr.

Ersf.

Ersd.

04

03

02

01

AS BUILT SITE

17.12.06

KRA

17.05.2005

US STEEL KOSTICE/SLOWAKIA

AS BUL WORKS

14.11.05

BER

Beorbi KRAMBECK

50.3023.01

HEATING

23.08.05

BER

KLUGE

50.3023.01

Zust.

Anderung

Datum

Name

Norm

Urspr.

Ersf.

Ersd.

04

03

02

01

AS BUILT SITE

17.12.06

KRA

17.05.2005

US STEEL KOSTICE/SLOWAKIA

AS BUL WORKS

14.11.05

BER

Beorbi KRAMBECK

50.3023.01

HEATING

23.08.05

BER

KLUGE

50.3023.01

Zust.

Anderung

Datum

Name

Norm

Urspr.

Ersf.

Ersd.

04

03

02

01

AS BUILT SITE

17.12.06

KRA

17.05.2005

US STEEL KOSTICE/SLOWAKIA

AS BUL WORKS

14.11.05

BER

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HJ011551
=E21.ASP+E21
K21
KLUGEH KRA

1		2		3		4		5		6		7		8							
Montage/ Hinweise				Leitungsmaterial				Klemmen-Typ				Standard: PHOENIX UK5N									
				Standard: H07Z-K 1,5mm ²				-02 -X1													
				BK																	
Rück-Verweis		Ltg (ø in mm ²)		Zielbezeichnungen		INTERN		Pot		Nr		Zielbezeichnungen		EXTERN		Ltg (ø in mm ²) Kabel		Ader		Bemerkung	
/001.4		WS121053		BN		+ANJ21 -X?		L		L1H		400		-X1		480					
/001.4		WS121053		BK		+ANJ21 -X?		N		PEN		401		-X1		481					
/004.5						-02		-X1				410		-S4		13 Q					
/004.5		WS121010		4		+ASP21 -X1		157		+L1.31J		411		-K1		13 Q					
												412									
												413									
/102.4		WS121010		8		+ASP21 -X1		76a		+L1.32		414		-F1		1					
												415									
												416									
/004.5						-02		-X1				417									
/004.5		WS121010		5		+ASP21 -X1		162		-L1.31		419		-K1		53 Q					
/102.4		WS121010		9		+ASP21 -X1		78a		-L1.32		420		-F1		6					
												421									
/004.2		WS121010		3		+ASP21 -X1		100		1202		430		-S3		1					
/004.3		WS121010		2		+ASP21 -X1		99		1102		432		-S3		9					
/004.2						-02		-X1				434		-S3		5					
												435									
												436									
												437									
						-A1		G				440		-M1		BK/BU					
						-A1		H				441		-K1		2 Q					
												442		-M1		BU/BK					
				Q		-K2		3				443		-K1		3 Q					
												446									
												447									
												448									
												449									
/004.5						-02		-X1		410		450		-F1		97					
/004.4		WS121010		7		+ASP21 -X1		340				451		-S3		14					
												452		-F1		98					
												453									
												454									
/004.3		WS121010		1		+ASP21 -X1		98		+L1.3102		455		-S3		13					
/004.4		WS121010		6		+ASP21 -X1		339				456		-S3		15					
												457									

21.12.2008

H011551

-E21 ASP+E21

K22

KLÜBEH

KRAMBECK

AS BUILT SITE 01.12.05

KRA. Datum 17.05.2005

AS BUILT WORKS 11.11.05

BER Bearb KRAMBECK

HEATING 23.08.05

BER Gepr. KLÜBE

Zust. Änderung

Datum Name Norm

2

US STEEL KOSICE/SLOWAKIA

50.3023.01

TERMINAL DIAGRAM

MOTOR DRIVE

ISOLATOR

CM001

50.3023.01.000.701.xxx

-E21 ASP

-E21

025.011551-5252

04

/K22

Blatt 11

21BL

04

03

02

Zust.

21

12

2008

H011551

-E21 ASP+E21

K22

KLÜBEH

KRAMBECK

AS BUILT SITE 01.12.05

KRA. Datum 17.05.2005

AS BUILT WORKS 11.11.05

BER Bearb KRAMBECK

HEATING 23.08.05

BER Gepr. KLÜBE

Zust. Änderung

Datum Name Norm

2

US STEEL KOSICE/SLOWAKIA

50.3023.01

TERMINAL DIAGRAM

MOTOR DRIVE

ISOLATOR

CM001

50.3023.01.000.701.xxx

-E21 ASP

-E21

025.011551-5252

04

/K22

Blatt 11

21BL

04

03

02

Zust.

21

12

2008

H011551

-E21 ASP+E21

K22

KLÜBEH

KRAMBECK

AS BUILT SITE 01.12.05

KRA. Datum 17.05.2005

AS BUILT WORKS 11.11.05

BER Bearb KRAMBECK

HEATING 23.08.05

BER Gepr. KLÜBE

Zust. Änderung

Datum Name Norm

2

US STEEL KOSICE/SLOWAKIA

50.3023.01

TERMINAL DIAGRAM

MOTOR DRIVE

ISOLATOR

CM001

50.3023.01.000.701.xxx

-E21 ASP

-E21

025.011551-5252

04

/K22

Blatt 11

21BL

1		2		3		4		5		6		7		8					
Montage/Hinweise				Leitungsmaterial Standard: H07Z-K 1,5mm ²				Klemmen-Typ Standard: PHOENIX UK5N											
				-Q2 -X1															
Rück- Verweis		Ltg (Ø in mm2) Kabel		Ader		Zielbezeichnungen INTERN		Pot		Nr		Zielbezeichnungen EXTERN		Ltg (Ø in mm2) Kabel		Ader		Bemerkung	
						-X1		400		480									
										481									
										482									
						-X1		403		484		-R1		2					
										485									
										486									
										488		-K1		A2					
										489		-F1		95					
						-M1		PE		PE2								PHOENIX USLKG10	
/D01.4		WS2/053		6Y		+ANJ21 -X?		PE		PE3								PHOENIX USLKG10	

21.12.2006 HJ011551 K23 ASP+E21 KRAMBECK KLUGE

Schulzvermerk nach DIN 34 beachten!

04		AS BUILT SITE		10.12.06		KRA.		Datum		17.05.2005		US STEEL KOSICE/SLOVAKIA		AREVA		TERMINAL DIAGRAM		50.3023.01.000.701 xxx		V =E21 ASP	
03		AS BUI. WORKS.		11.11.05		BER		Beagr		KRAMBECK		50.3023.01								/ K23	
02		HEATING		23.06.05		BER		Gepr.		KLUGE										Blatt 12	
Zust.		Änderung		Datum		Name		Norm		Urspr.:		Ersf.:		Ersd.:				025.011551-5252		04	
1										2		3		4		5		6		7	

1		2		3		4		5		6		7		8									
Montage/Hinweise				Leitungsmaterial				Klemmen-Typ															
				Standard: H07Z-K 1,5mm²				Standard: PHOENIX UK5N															
				BK				-Q7 -X1															
Rück-Verweis		Ltq (ø in mm²)		Ader		Zielbezeichnungen		INTERN		Pot		Nr		Zielbezeichnungen		EXTERN		Ltq (ø in mm²)		Ader		Bemerkung	
/S04.2								-S1		42		VM1.1W		11		+ASP21 -X1		328		WS121018		1	
/S04.2								-S1		41		VM1		12		+ASP21 -X1		322		WS121018		4	
/S04.5								-S1		43		VM1.5		13		+ASP21 -X1		319		WS121014		1	
/S04.5								-S1		44		VM1		14		+ASP21 -X1		323		WS121014		4	
/S04.3								-S1		52		VM2.1W		21		+ASP21 -X1		331		WS121018		2	
/S04.3								-S1		51		VM2		22		+ASP21 -X1		324		WS121018		5	
/S04.5								-S1		53		VM2.5		23		+ASP21 -X1		320		WS121014		2	
/S04.5								-S1		54		VM2		24		+ASP21 -X1		325		WS121014		5	
/S04.3								-S1		62		VM3.1W		31		+ASP21 -X1		334		WS121018		3	
/S04.3								-S1		61		VM3		32		+ASP21 -X1		326		WS121018		6	
/S04.5								-S1		63		VM3.5		33		+ASP21 -X1		321		WS121014		3	
/S04.5								-S1		64		VM3		34		+ASP21 -X1		327		WS121014		6	
/010.4								-S1		72		307		41		+ASP21 -X1		88		WS121019		2	
								-S1		71				42									
/010.4								-S1		73		+L1.41		43		+ASP21 -X1		82		WS121019		1	
/010.4								-S1		74		407		44		+ASP21 -X1		89		WS121019		3	
								-S1		82				51									
								-S1		81				52									
/012.2								-S1		83		+1.1100		53		+ASP21 -X1		80		WS121019		4	
/012.2								-S1		84		F100/5		54		+ASP21 -X1		81		WS121019		5	
								-S1		92				61									
								-S1		91				62									
								-S1		93				63									
								-S1		94				64									
								-S1		102				71									
								-S1		101				72									
								-S1		103				73									
								-S1		104				74									
								-S1		104				PE1								PHOENIX USLK610	

21.12.2006

H011551

KRAMBECK

K71

KLUEH

AS BUILD SITE

11.12.05

KRA

Datum

17.05.2005

US STEEL KOSICE/SLOVAKIA

50.3023.01

AS BUI. WORKS

14.11.05

BER

Bearb

KRAMBECK

03

HEATING

23.08.05

BER

Gepr.

KLUEH

02

Zust.

Änderung

Datum

11.15.05

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1		2		3		4		5		6		7		8			
montage/ Hinweise				Leitungsmaterial				Klemmen-Typ				Standard: PHOENIX UK5N					
				Standard: H07Z-K 1,5mm²				-Q7 -X1									
Rück- Verweis		Ader		Zielbezeichnungen		INTERN		Pot		Nr		Zielbezeichnungen		EXTERN			
Litg (ø in mm2) Kabel		Litg (ø in mm2) Kabel		Ader		Zielbezeichnungen		INTERN		Pot		Nr		Zielbezeichnungen		EXTERN	
/D01.5		WS121054		BN		+ANJ21 -X2		L		L1H		400		-X1		480	
/D01.5		WS121054		BK		+ANJ21 -X2		N		PEN		401		-X1		481	
/N05.5						-07		-X1				410		-S4		13 Q	
/N05.5		WS121020		4		+ASP21 -X1		158		+L1.31J		411		-K1		13 Q	
												412					
												413					
/L02.5		WS121020		8		+ASP21 -X1		76b		+L1.32		414		-F1		1	
												415					
												416					
/N05.5						-07		-X1				418		-S4		24 Q	
/N05.5		WS121020		5		+ASP21 -X1		163		-L1.31		419		-K1		53 Q	
/L02.5		WS121020		9		+ASP21 -X1		78b		-L1.32		420		-F1		6	
												421					
/N05.2		WS121020		3		+ASP21 -X1		93		1207		430		-S3		1	
/N05.3		WS121020		2		+ASP21 -X1		92		1107		432		-S3		9	
/N05.2						-07		-X1				434		-S3		5	
												435					
												436					
												437					
						-A1		6				440		BK/BU		2 Q	
						-A1		H				441		-K1			
												442		BU/BK			
				Q		-K2		3				443		-K1		3 Q	
												446					
												447					
												448					
												449					
/N05.5						-07		-X1				450		-F1		97	
												451		-S3		14	
/N05.4		WS121020		7		+ASP21 -X1		338				452		-F1		98	
												453					
												454					
/N05.3		WS121020		1		+ASP21 -X1		91		+L1.3107		455		-S3		13	
/N05.4		WS121020		6		+ASP21 -X1		337				456		-S3		15	
												457					

21.12.2006

H4011551

AS+BUT. WORKS: 14.11.05

AS BUILT SITE: 01.12.05

HEATING

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Montage/Hinweise				Leitungsmaterial				Klemmen-Typ																	
				Standard: H07Z-K 1,5mm ²				Standard: PHOENIX UKSN																	
				BK				-Q7 -X1																	
Rück- Verweil		Ltg (ø in mm2)		Ader		Zielbezeichnungen		INTERN		Pot		Nr		Zielbezeichnungen		EXTERN		Ltg (ø in mm2)		Ader		Bemerkung			
						-X1		400				480													
												481													
												482													
						-X1		403				484				2									
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												488				A2									
												489				95									
						-M1		PE				PE2										PHOENIX USLKG10			
						+ANJ21 -X?		PE				PE3										PHOENIX USLKG10			
/D01.6		#S121054		6Y						PE															
Schutzvermerk nach DIN 34 beachten!																									
21.12.2008 HU011551 E21 ASP+E21 KLUGER KRAMBECK																									
Zust.		Änderung		Datum		Name/Norm		Urspr.:		Ä		3		Ers.f.:		Ä		5		6		7		8	
04		AS BUILT		SITE 01.12.06		KRA.		Datum 17.05.2005		US STEEL KOSICE/SLOVAKIA				TERMINAL DIAGRAM		CMM01		50.3023.01.000.701.xxx		V = E21.ASP +E21				/ K73	
03		AS BUI. WORKS		11.11.05		BER		Beatr. KRAMBECK		50.3023.01				MOTOR DRIVE											
02		HEATING		23.08.05		BER		Gepr. KLUGE						ISOLATOR						025.014551-5252		04		21BL	
														-07											
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1		2		3		4		5		6		7		8					
Montage/ Hinweise						Leitungsmaterial						Klemmen-Typ							
						Standard: H07Z-K 1,5mm ²						Standard: PHOENIX UK5N							
						BK													
Rück- Verweis		Ltg (ø in mm2)		Ader		Zielbezeichnungen INTERN		Pot		Nr		Zielbezeichnungen EXTERN		Ltg (ø in mm2) Kabel		Ader		Bemerkung	
/D01.6		WS121055		BN		+ANJ21 -X?		L		400		-X1		480					
/D01.6		WS121055		BK		+ANJ21 -X?		N		401		-X1		481					
/M06.5						-08		-X1		410		-S4		13 Q					
/M06.5		WS121024		4		+ASP21 -X1		159		411		-K1		13 Q					
										412									
										413									
/L02.6		WS121024		8		+ASP21 -X1		76c		414		-F1		1					
										415									
										416									
										417									
/M06.5						-08		-X1		418		-S4		24 Q					
/M06.5		WS121024		5		+ASP21 -X1		164		419		-K1		53 Q					
/L02.6		WS121024		9		+ASP21 -X1		78c		420		-F1		6					
										421									
/M06.2		WS121024		3		+ASP21 -X1		152		430		-S3		1					
/M06.3		WS121024		2		+ASP21 -X1		151		432		-S3		9					
/M06.2						-08		-X1		434		-S3		5					
										435									
										436									
										437									
						-A1		G		440		-M1		BK/BU					
						-A1		H		441		-K1		2 Q					
										442		-M1		BU/BK					
				Q		-K2		3		443		-K1		3 Q					
										446									
										447									
										448									
										449									
/M06.5						-08		-X1		450		-F1		97					
										451		-S3		14					
/M06.4		WS121024		7		+ASP21 -X1		346		452		-F1		98					
										453									
										454									
/M06.3		WS121024		1		+ASP21 -X1		150		455		-S3		13					
/M06.4		WS121024		6		+ASP21 -X1		345		456		-S3		15					
										457									

21.12.2006

H011551

E21 ASP+E21

KLUEB

KRAMBECK

Schutzvermerk nach DIN 34 beachten!

04	AS BUILT SITE	12.05	KRA	Datum	17.05.2005	US STEEL KOSICE/SLOWAKIA	TERMINAL DIAGRAM	50.3023.01.000.701.xxx	V	E21 ASP	/ K82
03	AS BUI. WORKS	12.11.05	BER	Bearb	KRAMBECK	50.3023.01	MOTOR DRIVE				
02	HEATING	23.08.05	BER	Gepr.	KLUEB		ISOLATOR				
Zust.	Änderung	Datum	Name	Norm	Urspr.	Ersd.	-08	025.011551-5252	04	21B1	

1

montage/ Hinweise

2

3

4

5

6

7

8

Leitungsmaterial

Standard: H07Z-K
1,5mm²

BK

-Q8

-X1

Klemmen-Typ

Standard: PHOENIX UK5N

Rück- Verweis	Ltg (Ø in mm²)	Ader	Zielbezeichnungen	INTERN	Pot	Nr	Zielbezeichnungen	EXTERN	Ltg (Ø in mm²)	Ader	Bemerkung
			-X1	400		480					
						481					
						482					
			-X1	403		484		-R1	2		
						485					
						486					
						488		-K1	A2		
						489		-F1	95		
			-M1	PE		PE2					PHOENIX USLKG10
/D01.7	WS121055	6Y	+ANJ21 -X?	PE	PE	PE3					PHOENIX USLKG10

04

AS BUILT SITE 01.12.06

KWA

Datum 17.05.2005

US STEEL KOSICE/SLOVAKIA

50.3023.01

03

AS BUI. WORKS 11.11.05

BER

Bearb KRAMBECK

50.3023.01

02

HEATING 23.08.05

BER

Gepr. KLUGE

50.3023.01

Zustl.

Änderung

Datum

Name/Norm

Urspr.:

Ersf.:

Ersd.:

Ä

5

6

7

8

21.12.2006

H011551

H021.ASP+E21

KLUGE

KRAMBECK

Schutzvermerk nach DIN 34 beachten!

TERMINAL DIAGRAM

MOTOR DRIVE

ISOLATOR

CMN01

50.3023.01.000.701.xxx

V =E21.ASP

+E21

/ K83

Blatt 18

025.011551-5252

04

2181

[illegible]

1		2		3		4		5		6		7		8									
montage/ Hinweise				Leitungsmaterial				Klemmen-Typ				Standard: PHOENIX UKSN											
				Standard: H07Z-K 1,5mm²				BK															
Rück- Verweis		Ltg (Ø in mm²)		Ader		Zielbezeichnungen		INTERN		Pot		Nr		Zielbezeichnungen		EXTERN		Ltg (Ø in mm²)		Ader		Bemerkung	
/D01.8		WS121056		BN		+ANJ21 -X?		L		LH		400		-X1		480							
/D01.8		WS121056		BK		+ANJ21 -X?		N		PEN		401		-X1		481							
/M07.5						-09		-X1				404											
/M07.5		WS121021		4		+ASP21 -X1		450		+L1.31J		410		-S4		13 Q							
								160				411		-K1		13 Q							
												412											
												413											
/L02.7		WS121021		8		+ASP21 -X1		76d		+L1.32		414		-F1		1							
												415											
												416		-F1		5							
												417											
/M07.5						-09		-X1				418		-S4		24 Q							
/M07.5		WS121021		5		+ASP21 -X1		165		-L1.31		419		-K1		53 Q							
/L02.7		WS121021		9		+ASP21 -X1		78d		-L1.32		420		-F1		6							
												421											
/M07.2		WS121021		3		+ASP21 -X1		118		1207		430		-S3		1							
/M07.3		WS121021		2		+ASP21 -X1		117		1107		432		-S3		9							
/M07.2						-09		-X1				434		-S3		5							
												435											
												436											
												437											
						-A1		6				440		-M1		BK/BU							
						-A1		H				441		-K1		2 Q							
												442		-M1		BU/BK							
						-K2		3				443		-K1		3 Q							
												446											
												447											
												448											
												449											
/M07.5						-09		-X1				450		-F1		97							
												451		-S3		14							
/M07.4		WS121021		7		+ASP21 -X1		342				452		-F1		98							
												453											
												454											
/M07.3		WS121021		1		+ASP21 -X1		116		+L1.3109		455		-S3		13							
/M07.4		WS121021		6		+ASP21 -X1		341				456		-S3		15							
												457											

21.12.2006

H011551

E21.ASP+E21

KRAMBECK

KLUHE

AS BUILT SITE

01.12.05

KRA.

17.05.2005

US STEEL KOSICE/SLOWAKIA

50.3023.01

AS BUI. WORKS

14.11.05

BER

Bearb. KRAMBECK

50.3023.01

HEATING

23.08.05

BER

Gepr. KLUHE

Zust.

Änderung

Datum

Name/Norm

Urspr.

Ä

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Ers.f.

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Ers.d.

-09

04

AS BUILT SITE

01.12.05

KRA.

17.05.2005

US STEEL KOSICE/SLOWAKIA

50.3023.01

CM001

50.3023.01.000.7701.xxx

V

=E21.ASP

/K92

03

AS BUI. WORKS

14.11.05

BER

Bearb. KRAMBECK

50.3023.01

CM001

50.3023.01.000.7701.xxx

V

=E21.ASP

/K92

02

HEATING

23.08.05

BER

Gepr. KLUHE

CM001

50.3023.01.000.7701.xxx

V

=E21.ASP

/K92

01

Zust.

Änderung

Datum

Name/Norm

Urspr.

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Ers.f.

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4

Ers.d.

-09

025.011551-5252

04

Blatt120

21BL

Schutzvermerk nach DIN 34 beachten!

KRAMBECK
KLUEH
H011551
K92
=E21 ASP+E21

04 AS BUILT SITE 17.05.2005
03 AS BUILT WORKS 14.11.05 BER Bearb KRAMBECK
02 HEATING 23.08.05 BER Bearb KLUEH
Zust. Änderung Datum Name Norm Urspr.: Ers.f.: Ers.d.:
1 2 3 4 5 6 7 8

TERMINAL DIAGRAM
MOTOR DRIVE
ISOLATOR
-09
CM001

50.3023.01.000.701.xxx
V =E21 ASP
=E21
Blatt 120
2181

025.011551-5252 04
2181

1

montage/ Hinweise

2

3

4

5

6

7

8

Leitungsmaterial

Standard: H07Z-K

Standard: 1,5mm²

BK

-Q9

-X1

Klemmen-Typ

Standard: PHOENIX UK5N

Rück-Verweils	Ltg (ø in mm2)	Ader	Zielbezeichnungen	INTERN	Pot	Nr	Zielbezeichnungen	EXTERN	Ltg (ø in mm2)	Ader	Bemerkung
			-X1	400		480					
						481					
						482					
			-X1	403		484		-R1	2		
						485					
						486					
						488		-K1	A2		
						489		-F1	95		
			-M1	PE	PE	PE2					PHOENIX USLKG10
/001.8	WS121056	6Y	+AN121 -X?	PE	PE	PE3					PHOENIX USLKG10

21.12.2006

HJ011551

-E21.ASP+E21

KLUGE KRAMBECK

KLUGE KRAMBECK

Schutzvermerk nach DIN 34 beachten!

04

AS BUILT SITE

14.12.05

KRA

Datum

17.05.2005

US STEEL KOSICE/SLOVAKIA

50.3023.01

03

AS BUILT WORKS

14.11.05

BER

Bearb

KRAMBECK

02

HEATING

28.08.05

BER

Gepr.

KLUGE

Zust.

Änderung

Datum

Name

Norm

Urspr.

Ers.f.

Ersd.

AREVA

TERMINAL DIAGRAM

MOTOR DRIVE

ISOLATOR

-09

CM01

50.3023.01.000.701.xxx

-E21.ASP

-E21

025.011551-5252

04

21B1