



US STEEL KOSICE/SLOVAKIA
50.3023.01
LIST OF CABLES

WIRING DIAGRAM

21.12.2006
HJ011551
=E21
A00
KRAMBECK
KLUEH

V = E21 / A00

025.011551- 4015 03

50.3023.01.000.701.XXX
COVERSHEET

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

03 AS BUILT SITE	01.12.06	KRA.
02 HEATING	23.08.05	BE
01 REVISION	17.08.05	BER
No. Revision	Date	Name

Schutzvermerk nach DIN 34 beachten!

1		2		3		4		5		6		7		8	
Kabel - Bezeichnung		von		nach						Typ Querschn. Leiterform Schirmung V N		Adern Belegt Frei		Kabelweg Länge (real)	
FSMA1		=E21.ASP CONTROL PANEL FSMA CONNECTOR		-A200 +ASP21 CENTRAL CONTROL DEVICE		-C00		GLAS FIBRE OPTIC 62,5/125mm CENTRAL CONTROL		2 2 0		300m		A	
FSMA2		=E21.ASP CONTROL PANEL FSMA CONNECTOR		-A200 +ASP21 DIFFERENTIAL PROTECTION		-F26		GLAS FIBRE OPTIC 62,5/125mm BAY CONTROL		2 2 0		5m			
FSMA3		=E21.ASP CONTROL PANEL FSMA CONNECTOR		-A200 +ASP21 OVERCURRENT PROTECTION		-F13		GLAS FIBRE OPTIC 62,5/125mm BAY CONTROL		2 2 0		5m			
SERIAL DATA LINK		=E21.ASP CONTROL PANEL		-A210 +ASP21 CENTRAL INTERLOCKING UNIT		-C1U		J-2Y(ST)Y 2x2x0,6 0,6mm2 CENTRAL INTERLOCKING UNIT		4 4 0		125m			
ST		=E21.ASP PROTECTION PANEL ST CONNECTOR		-F26 +ASP21 INCOMING BAY		-7506		GLAS FIBRE OPTIC 62,5/125mm DIFF - PROTECTION		2 2 0		2500		B	
WS1210047		=E19 ISOLATOR		-Q1 +E19 CONTROL PANEL		-X1		NYCY 4x2,5re/2,5 2,5mm2 OPENING INHIBIT		4 2 2					
WS121001		=E21.ASP CONTROL PANEL		-X1 +ASP21 CIRCUIT BREAKER		-00		NYCY 12x1,5re/2,5 1,5mm2 CB CONTROL		12 11 1					
WS121002		=E21.ASP CONTROL PANEL		-X1 +ASP21 CIRCUIT BREAKER		-00		NYCY 3x1,5re/1,5 1,5mm2 CB PROTECTION TRIP		3 3 0					
WS121003		=E21.ASP CONTROL PANEL		-X1 +ASP21 CIRCUIT BREAKER		-00		NYCY 7x1,5re/2,5 1,5mm2 CB MESSAGES		7 6 1					
WS121004		=E21.ASP CONTROL PANEL		-X1 +ASP21 CIRCUIT BREAKER		-00		NYCY 12x1,5re/2,5 1,5mm2 Q0 POSITION INDICATION		12 9 3					
WS121006		=E21.ASP CONTROL PANEL		-X1 +ASP21 ISOLATOR		-Q1		NYCY 12x1,5re/2,5 1,5mm2 ISOLATOR CONTROL		12 9 3					
WS121007		=E21.ASP CONTROL PANEL		-X1 +ASP21 ISOLATOR		-Q1		NYCY 7x1,5re/2,5 1,5mm2 BB VOLTAGE		7 6 1					
WS121008		=E21.ASP CONTROL PANEL		-X1 +ASP21 ISOLATOR		-Q1		NYCY 3x1,5re/1,5 1,5mm2 Q1 POSITION INDICATION		3 3 0					
WS121010		=E21.ASP CONTROL PANEL		-X1 +ASP21 ISOLATOR		-Q2		NYCY 12x1,5re/2,5 1,5mm2 ISOLATOR CONTROL		12 9 3					
WS121011		=E21.ASP CONTROL PANEL		-X1 +ASP21 ISOLATOR		-Q2		NYCY 7x1,5re/2,5 1,5mm2 BB VOLTAGE		7 6 1					
WS121012		=E21.ASP CONTROL PANEL		-X1 +ASP21 ISOLATOR		-Q2		NYCY 3x1,5re/1,5 1,5mm2 Q1 POSITION INDICATION		3 3 0					
WS121014		=E21.ASP CONTROL PANEL		-X1 +ASP21 ISOLATOR		-Q7		NYCY 7x1,5re/2,5 1,5mm2 BB VOLTAGE		7 6 1					
WS121015		=E21.ASP CONTROL PANEL		-X1 +ASP21 METERING PANEL		-X1		NYCY 12x1,5re/2,5 1,5mm2 BB-VOLTAGE		12 12 0					
WS121016		=E21.ASP CONTROL PANEL		-X1 +ASP21 ISOLATOR		-Q1		NYCY 4x2,5re/2,5 2,5mm2 OPENING INHIBIT		4 4 0					
WS121017		=E21.ASP CONTROL PANEL		-X1 +ASP21 ISOLATOR		-Q2		NYCY 4x2,5re/2,5 2,5mm2 OPENING INHIBIT		4 4 0					
WS121018		=E21.ASP CONTROL PANEL		-X1 +ASP21 ISOLATOR		-Q7		NYCY 7x1,5re/2,5 1,5mm2 BB VOLTAGE		7 6 1					
AS BUILT SITE		KRA. Datum 17.05.2005		US STEEL KOSICE/SLOVAKIA		LIST OF CABLES		50 3023 01.000.701xxx		V =E21					
HEATING		23.08.05 BE Beate KRAMBECK		50 3023 01											
REVISION		17.08.05 BER Geor. KLUGE		LIST OF CABLES											
Zust.		Name/Norm		Ers.f.i.		Ers.d:		WIRING DIAGRAM							
Änderung		Datum		3		4		5		6		7		8	
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03		KRA. Datum 17.05.2005		US STEEL KOSICE/SLOVAKIA		LIST OF CABLES		50 3023 01.000.701xxx		V =E21					
02		23.08.05 BE Beate KRAMBECK		50 3023 01											
01		17.08.05 BER Geor. KLUGE		LIST OF CABLES											
Zust.		Name/Norm		Ers.f.i.		Ers.d:		WIRING DIAGRAM							
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02		23.08.05 BE Beate KRAMBECK		50 3023 01											
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02		23.08.05 BE Beate KRAMBECK		50 3023 01											
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Zust.		Name/Norm		Ers.f.i.		Ers.d:		WIRING DIAGRAM							
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Zust.		Name/Norm		Ers.f.i.		Ers.d:		WIRING DIAGRAM							
Änderung		Datum		3		4		5		6		7		8	
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03		KRA. Datum 17.05.2005		US STEEL KOSICE/SLOVAKIA		LIST OF CABLES		50 3023 01.000.701xxx		V =E21					

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Schutzvermerk nach DIN 34 beachten!

1		2		3		4		5		6		7		8	
Kabel - Bezeichnung		von		nach						Typ		V N		Kabelweg	
		Bemerkung								Überschn. Leiterform Schirmung		Adern		Länge (real)	
										Verwendung		Belegt			
												Frei			
A	WS121051	=E21.ASP 220V AC-SUPPLY		-X?		+E21		-00		NYCY 3x1,5re/1,5 1,5mm ² HEATING		3 3			
	WS121052	=E21.ASP 220V AC-SUPPLY		-X?		+E21		-01		NYCY 3x1,5re/1,5 1,5mm ² HEATING		3 3			
	WS121053	=E21.ASP 220V AC-SUPPLY		-X?		+E21		-02		NYCY 3x1,5re/1,5 1,5mm ² HEATING		3 3			
	WS121054	=E21.ASP 220V AC-SUPPLY		-X?		+E21		-07		NYCY 3x1,5re/1,5 1,5mm ² HEATING		3 3			
B	WS121055	=E21.ASP 220V AC-SUPPLY		-X?		+E21		-08		NYCY 3x1,5re/1,5 1,5mm ² HEATING		3 3			
	WS121056	=E21.ASP 220V AC-SUPPLY		-X?		+E21		-09		NYCY 3x1,5re/1,5 1,5mm ² HEATING		3 3			
	WS121057	=E21.ASS 220V AC-SUPPLY		-X?		+ASS21		-X1		NYCY 3x2,5re/2,5 2,5mm ² SUPPLY HEATING		3 3			
	WS121058	=E21.ASP 220V AC-SUPPLY		-X?		+ASR21		-X1		NYCY 3x2,5re/2,5 2,5mm ² SUPPLY HEATING		3 3			
C	WS121059	=E21.ASP CONTROL PANEL		-X1		+ASR21		-X1		NYCY 3x2,5re/2,5 2,5mm ² SUPPLY HEATING		3 3			
	WS321001	=E21.ASP CONTROL PANEL		-X1		+ASR21		-X1		NYCY 2x1,5re/1,5 1,5mm ² ALARM INDICATION		24 20			
	WS321002	=E21.ASP PROTECTION PANEL		-X1		+ASR23		-X		NYCY 2x1,5re/1,5 1,5mm ² BUS COUPLER TRIPPING		2 2			
	WS321003	=E21.ASP CONTROL PANEL		-X1		+ASR21		-X1		NYCY 12x1,5re/2,5 1,5mm ² DC-SUPPLY BTK		12 11			
D	WS321005	=E21.ASP CONTROL PANEL		-X1		+ASR21		-X1		NYCY 2x1,5re/1,5 1,5mm ² ISOLATOR Q7 CLOSED		2 2			
	WS321006	=E21.ASP CONTROL PANEL		-X1		+ASR21		-X1		NYCY 2x1,5re/1,5 1,5mm ² MEASURING CURRENT		2 2			
	WS321011	=E21.ASP CONTROL PANEL		-X1		+ASS21		-X1		NYCY 4x2,5re/2,5 2,5mm ² VT WINDING 1		4 4			
	WS321012	=E21.ASP PROTECTION PANEL		-X1		+ASS21		-X1		NYCY 4x2,5re/2,5 2,5mm ² CT CORE 2 DIF-PROT.		4 4			
E	WS321013	=E21.ASP PROTECTION PANEL		-X1		+ASS21		-X1		NYCY 4x2,5re/2,5 2,5mm ² CT CORE 3 OC-PROT.		4 4			
	WS321014	=E21.ASP PROTECTION PANEL		-X1		+ASR21		-X1		NYCY 4x2,5re/2,5 2,5mm ² BUS WIRES BB1-VOLT.		4 4			
	WS321015	=E21.ASS METERING PANEL		-X1		+ASS23		-X1		NYCY 4x2,5re/2,5 2,5mm ² BUS WIRES BB2-VOLT.		4 4			
	WS321016	=E21.ASS METERING PANEL		-X1		+ASS23		-X1		NYCY 4x2,5re/2,5 2,5mm ² BUS WIRES BB2-VOLT.		4 4			
F	WS321017	=E21.ASS METERING PANEL		-X1		+ASS23		-X1		NYCY 4x2,5re/2,5 2,5mm ² BUS WIRES TB-VOLT.		4 4			
	WS321018	=E21.ASS METERING PANEL		-X1		+ASS23		-X1		NYCY 4x2,5re/2,5 2,5mm ² BUS WIRES TB-VOLT.		4 4			
	WS321019	=E21.ASS METERING PANEL		-X1		+ASS23		-X1		NYCY 4x2,5re/2,5 2,5mm ² BUS WIRES TB-VOLT.		4 4			
	WS321020	=E21.ASS METERING PANEL		-X1		+ASS23		-X1		NYCY 4x2,5re/2,5 2,5mm ² BUS WIRES TB-VOLT.		4 4			
Zust.		AS BUILT SITE/01.12.06		US STEEL KOSICE/SLOVAKIA		17.05.2005		LIST OF CABLES		50.3023.01.000.701.xxx		V =E21		/ W03	
02		HEATING		BE		BEARb KRAMBECK		50.3023.01		025.011551-4015		03		B0115	
01		REVISION		BER		Gepr. KLUGE		LIST OF CABLES		025.011551-4015		03		B0115	
Änderung		Datum		Name/Norm		Ers.f.:		Ers.d.:		WIRING DIAGRAM		025.011551-4015		03	
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[illegible]