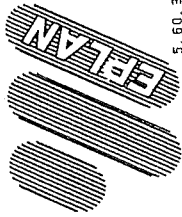


Created with



5.60.3

Manufacturer : AREVA
Energietechnik GmbH

Plant designation: LowVolt.MainDistr
Filling station/Tank farm

Drawing number : 50 3023 01

Project : Kosice

Project No. : 50.3023.01.000.742.100

Disk No. : 50.3023.01

Project start : 05.05.05
Responsible for project : Ott / Bre
Last change : 18.08.05
Last user : BRE

Number of pages : 108

Date		05.05.05		Act	LVHD	AREVA		RIR		50		3023		01		Zust.		Pg.		1		= LVHD	
Editor		Ott / Bre		Brea		Energietechnik GmbH		Liquide		Cover		50.3023.01		1.029.05		Project-No.		3551/029-05		Pg.		1	
BRE		Checked		Gra		System		Filling station		Created with EPLAN 5.30		5		6		7		8		9		Pg.	
State		Date		Hase		Date		Hase		Date		Hase		Date		Hase		Date		Hase		Date	
1		2		3		4		5		6		7		8		9		Pg.		1		Pg.	

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LVHD		4	Table of contents	50 3023 01	18.08.05	4 108
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LVHD		3	MCC Unit M48101	50 3023 01	18.08.05	25 108
LVHD		4	MCC Unit M63001	50 3023 01	18.08.05	26 108
LVHD		5	MCC Unit M62001	50 3023 01	18.08.05	27 108
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50 3023 01		1.029.05		3551/029-05		9 Pg. 8	
Date		Date		Date		Date	
18.08.05		BRE		Herr		Herr	
Date		Date		Date		Date	
1		2		3		4	
State		State		State		State	
A		B		C		D	
E		F		G		H	

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LVHD	Field2	25	+Field2-XS2.5.1	50 3023 01	18.08.05	48 108
LVHD	Field2	26	+Field2-XS2.5.2	50 3023 01	18.08.05	49 108
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LVHD	Field2	28	+Field2-XS2.5B	50 3023 01	18.08.05	51 108
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LVHD	Field2	30	+Field2-XS2.6.2	50 3023 01	18.08.05	53 108
LVHD	Field2	31	+Field2-XS2.6A	50 3023 01	18.08.05	54 108
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LVHD	Field2	33	+Field2-XS2.7.1	50 3023 01	18.08.05	56 108
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LVHD	Field2	38	+Field2-XS2.8.1	50 3023 01	18.08.05	61 108
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LVHD	Field2	42	+Field2-XS2.9.1	50 3023 01	18.08.05	65 108
LVHD	Field2	43	+Field2-XS2.9.2	50 3023 01	18.08.05	66 108
LVHD	Field2	44	+Field2-XS2.9A	50 3023 01	18.08.05	67 108
LVHD	Field2	45	+Field2-XS2.9B	50 3023 01	18.08.05	68 108
LVHD	Field2	46	+Field2-XS2.10.1	50 3023 01	18.08.05	69 108
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LVHD	Field2	48	+Field2-XS2.10A	50 3023 01	18.08.05	71 108
LVHD	Field2	49	+Field2-XS2.10B	50 3023 01	18.08.05	72 108
LVHD	Field2	50	+Field2-XS2.11.1	50 3023 01	18.08.05	73 108
LVHD	Field2	51	+Field2-XS2.11.2	50 3023 01	18.08.05	74 108
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Manufacturer-No.		3551/029-05		Pa.		3	
Table of contents		50 3023 01		Zust. 3		= LVHD	
Disk-No.		50 3023 01		Projekt-No.		1-029-05	
Manufacturer-No.		3551/029-05		Pa.		3	

Environmental conditions

Altitude : 2200 mm
Maximum ambient air temperature over a period of 24 h : 35° C

Electrical data

- Power circuit
Rated service voltage : 400 V
Rated of main busbar : 1900 A
Rated frequency : 50 Hz
Rated short-time current (kA rms/1s) : 50 kA
Neutral system : TN-S
- Auxiliary circuit
Control voltage : 230 VAC
Control voltage : 24 VDC

Mechanical data

Type of section used :
Degree of protection :
Form according IEC 439-1
Degree of "withdrawability" (F.D.W) according IEC 439-1
Colour :
Opening angel
Connexion access :
Incoming Power cabel entry :
Outgoing Power cabel entry :

Schneider Eelctric, Type: OKKEN
IP 31
3/4
WWW
RAL 7032
90°
Bottom
Bottom
Bottom

Date 18.08.05		BRE		Checked Grs		Editor Ott / Bro		Date 05.05.05		Act		LVND		Kosice		AREVA Energietechnik GmbH		AIR Liquide		General characterize		50		3023		01		Zust. Pg. 5		= LVND		108 Pg. +		Project-No. 1-029_05		Disk-No. 50_3023_01		Manufacturer-No. 3551/029-05		Pg. 5		5	
State		Date		Name		Horn		System		Filling station		Created with Eplan 5.50		4		5		6		7		8																					

Table of characterize

+LVMD Low Voltage Main Distribution
 +Field1....5 General building. field 1 to 5
 CB Control cabinet
 ES Emergency stop
 MD Main distribution

2

3

4

5

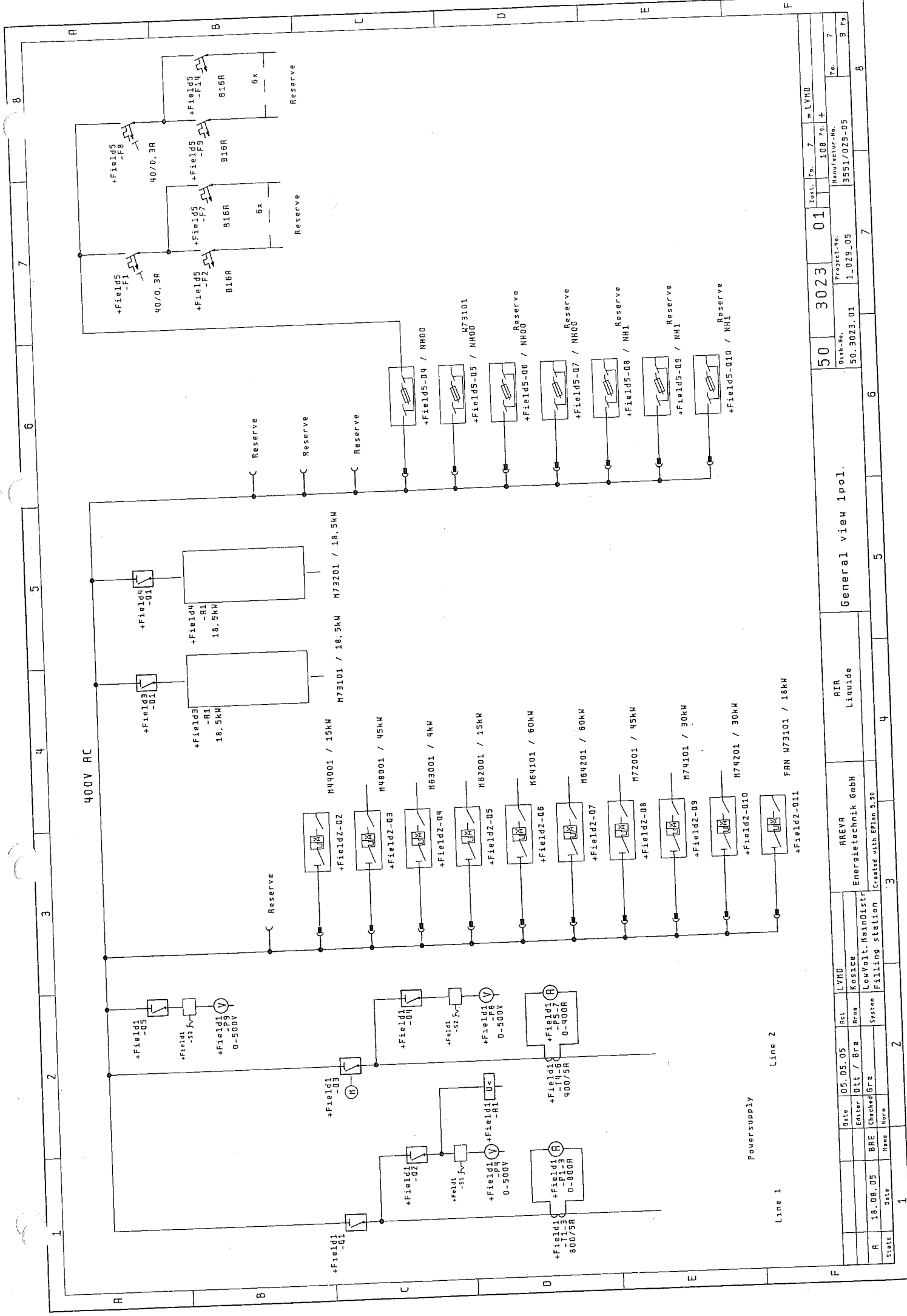
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General view 1pol.

ARR
Liquide

AREVA
Energietechnik GmbH

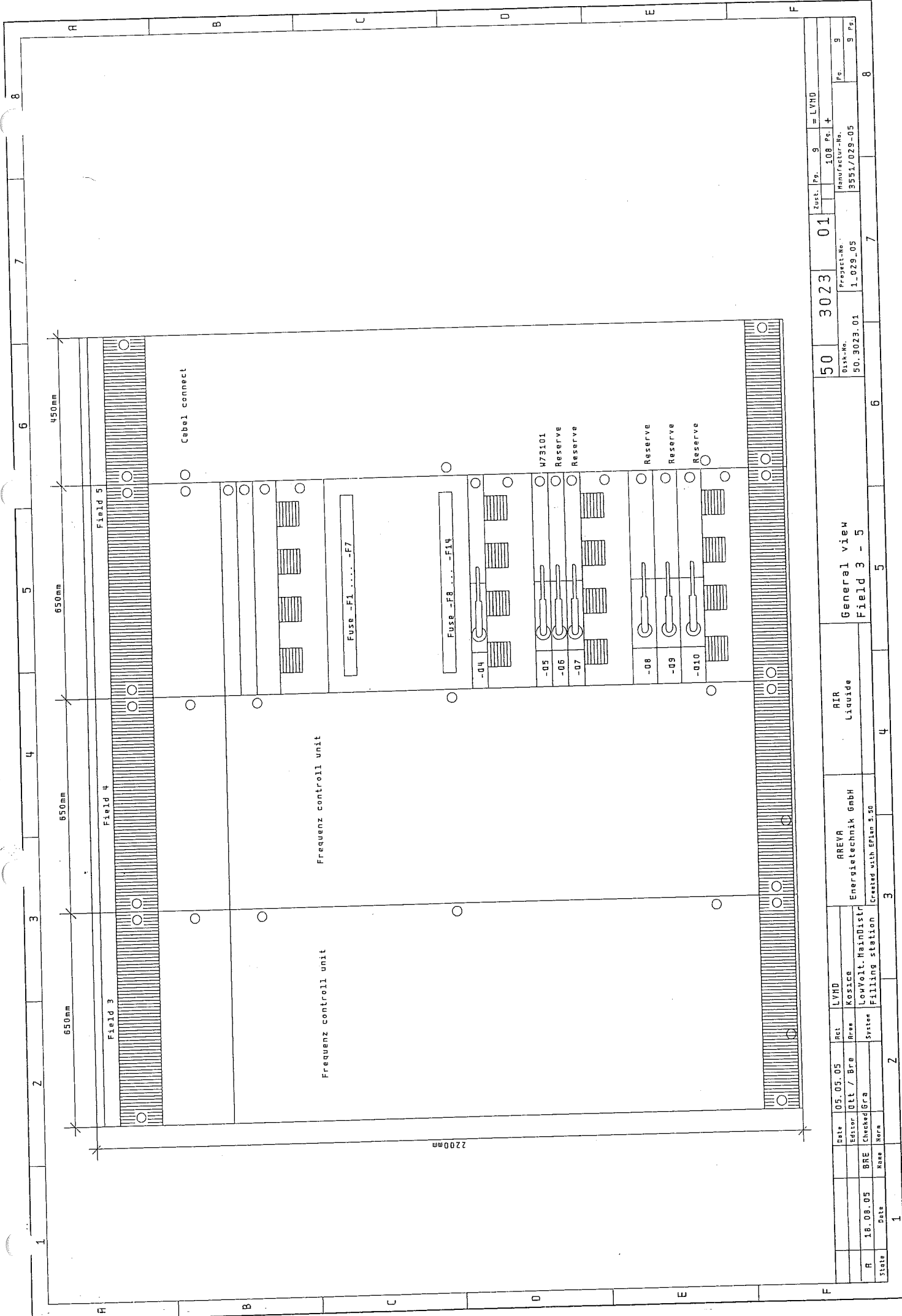
LowVolt.MainDistr.
Filling station

05.05.05
Kosice

18.08.05
BRE

108
3551/029-05

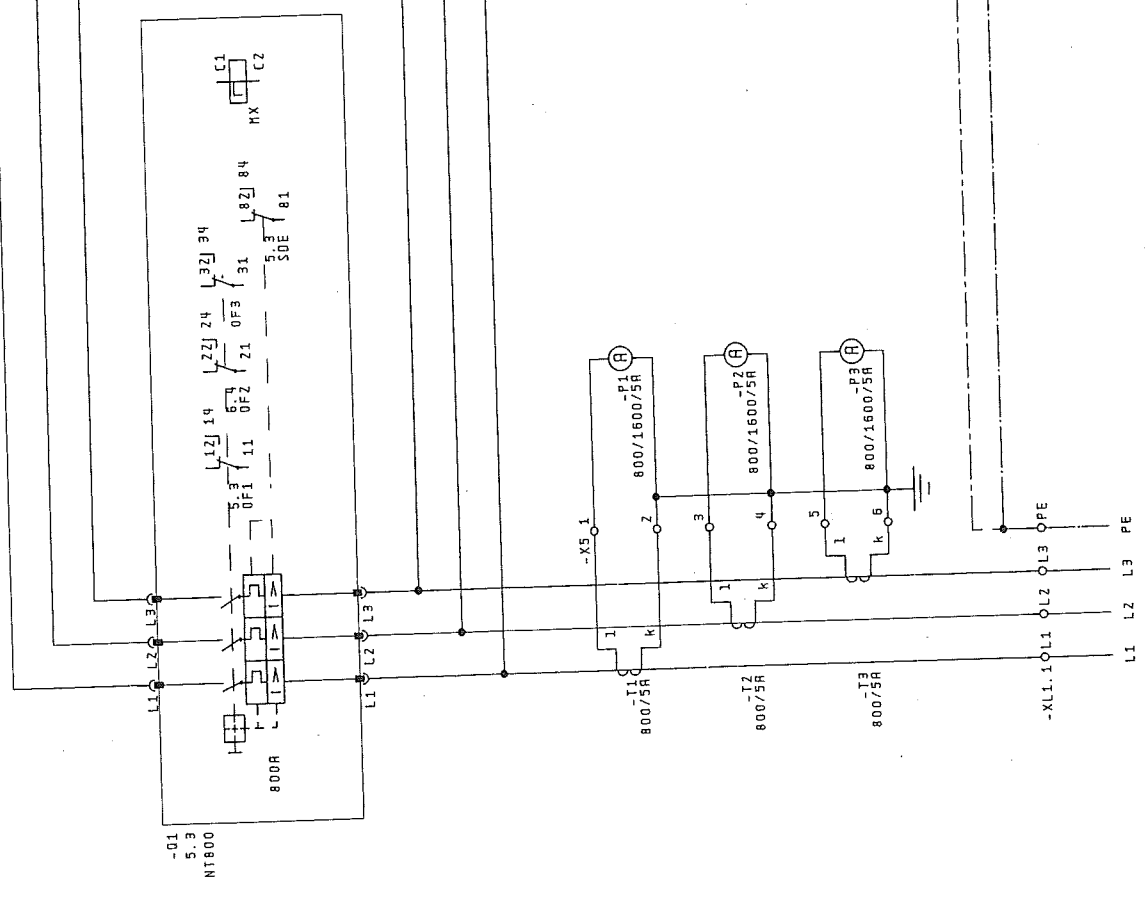
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Date		05.05.05	Act	LVHD	Zust. Pg.		01	9	108	Pg. +	8
Editor		Alt / Bre	Bras	Kosice	Project-No.		1.029.05	Manufacturer-No.		3551/029-05	9
BRE		Checked	Gra	LowVolt.MainDistri	Disk-No.		50.3023.01	Project-No.		1.029.05	9
State		Date	Mass	Filling station	Created with EPLAN 5.50		General view		Field 3 - 5		8
1		2		3		4		5		6	
1		2		3		4		5		6	

400V AC : 3/PE 50Hz : 50kA / 1sek.

L1/2.1
L2/2.1
L3/2.1



Main supply line 1

Main supply line 1

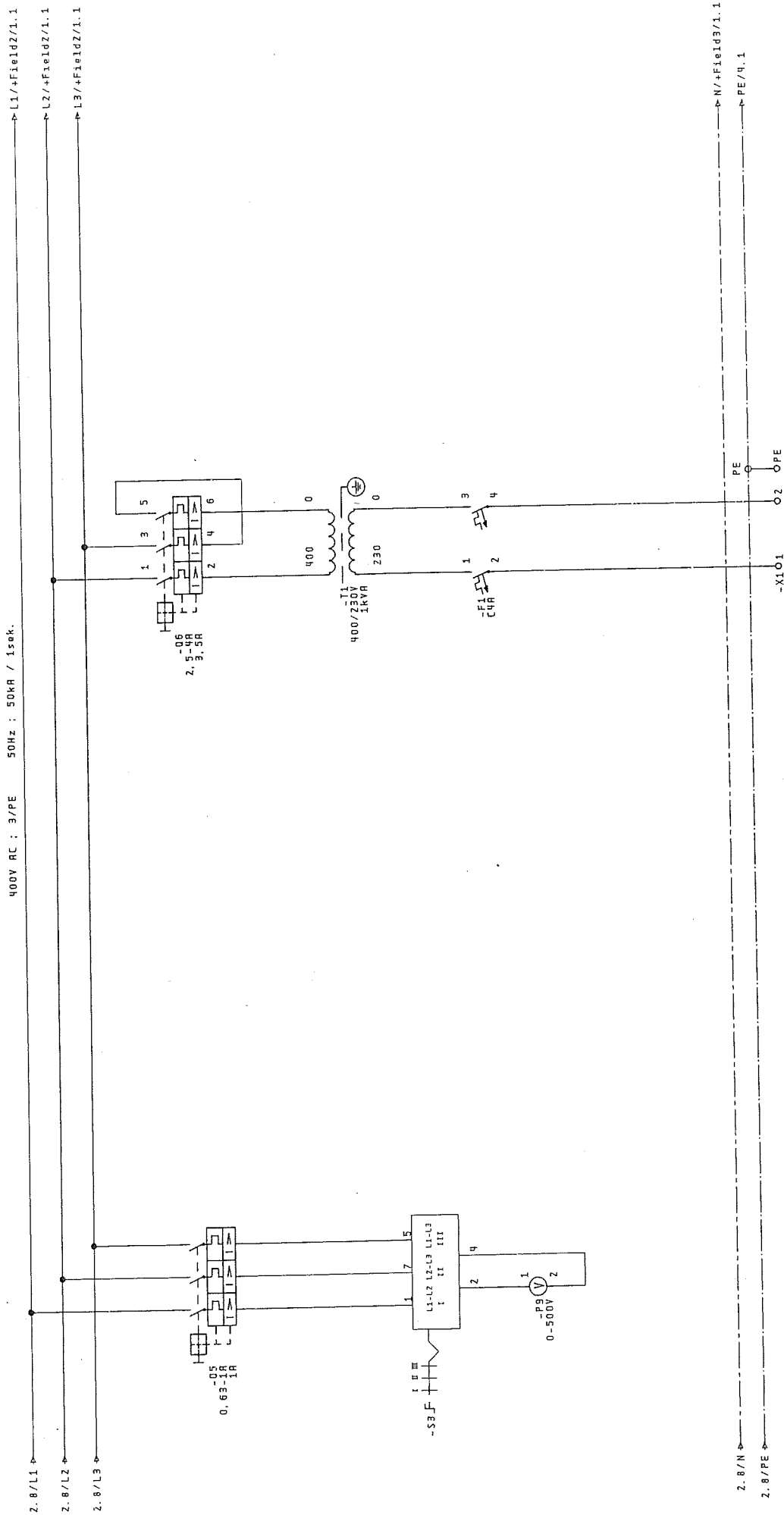
Current measurement

Voltage measurement

Voltage observation

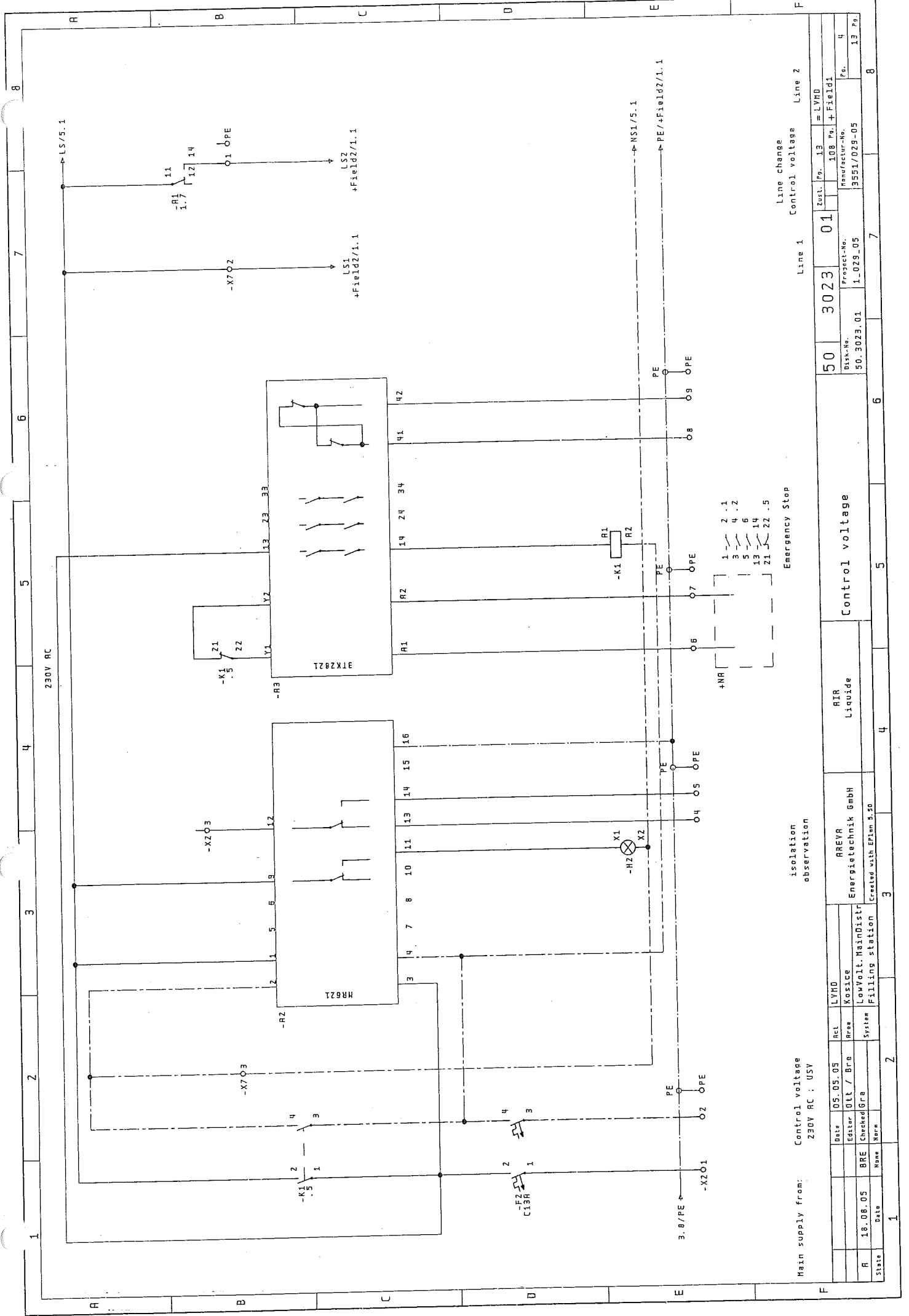
Main supply from:

Date		05.05.05	Ref	LVD	Zust. Pg. 10		= LVD
Editor		Bit / Bre	Area	Kosice	108 Ps. + Field		1
BRE		Checked	Gr	LowVolt. Maindist	Project-No.		3551/029-05
State		Rea	Norm	Filling station	Disk-No.		50.3023.01
					Product-No.		1-029.05
					Manufacturer		3551/029-05
					Pg.		13 Pg.
					Pg.		8



230V AC
Voltage supply

System
measurement[illegible]



Main supply from: Control voltage 230V AC : USV

isolation observation

State	Date	18.08.05	BRE	Checked	Gr	System	Filling station	Created with Eplan 5.50

AREVA Energietechnik GmbH	AIR Liquide
---------------------------	-------------

Control voltage

50	3023	01	108	Pe	+Field1
50	3023.01	1-029-05	3551/029-05	13	Pa

7

6

5

4

3

2

1

[illegible]

[illegible]

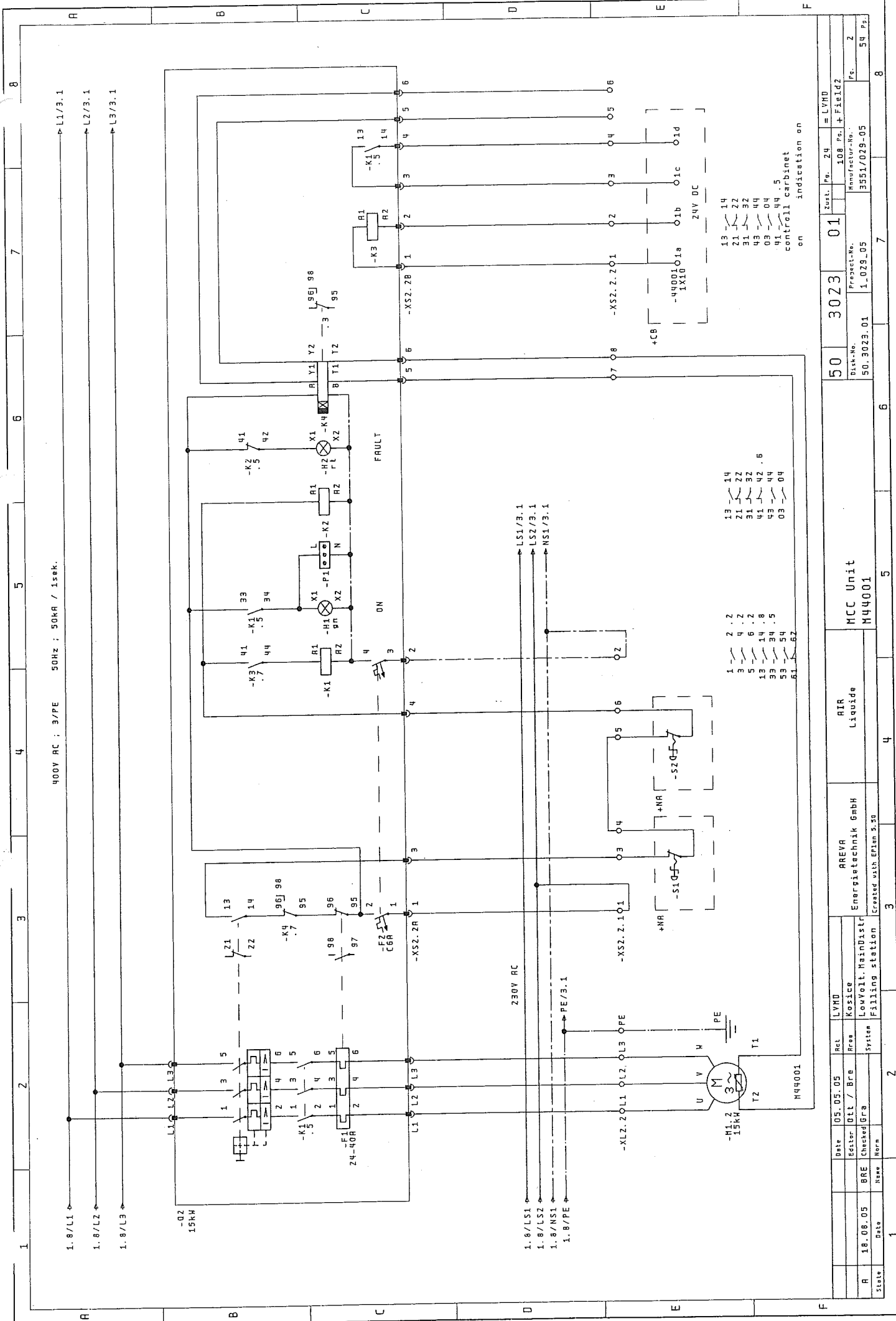
[illegible]

1		2		3		4		5		6		7		8	
terminalblock: +Field1-X5															
A		B		C		D		E		F		G		H	
Date		05.05.05		Rel.		LVMD		AREVA		AIR		+Field1-X5		Zust. Pa. 20 = LVMD	
Editor		Ott / Bre		Area		Kosice		Energietechnik GmbH		Liquide		50 3023 01		108 Pa. + Field1	
18.08.05		BRE		Checked/Gra		LowVolt.HainDistri		System		Filling station		50.3023.01		Project-No. 1.029.05	
State		Date		Name		Name		Name		Name		50.3023.01		Manufacturer-No. 3551/029-05	
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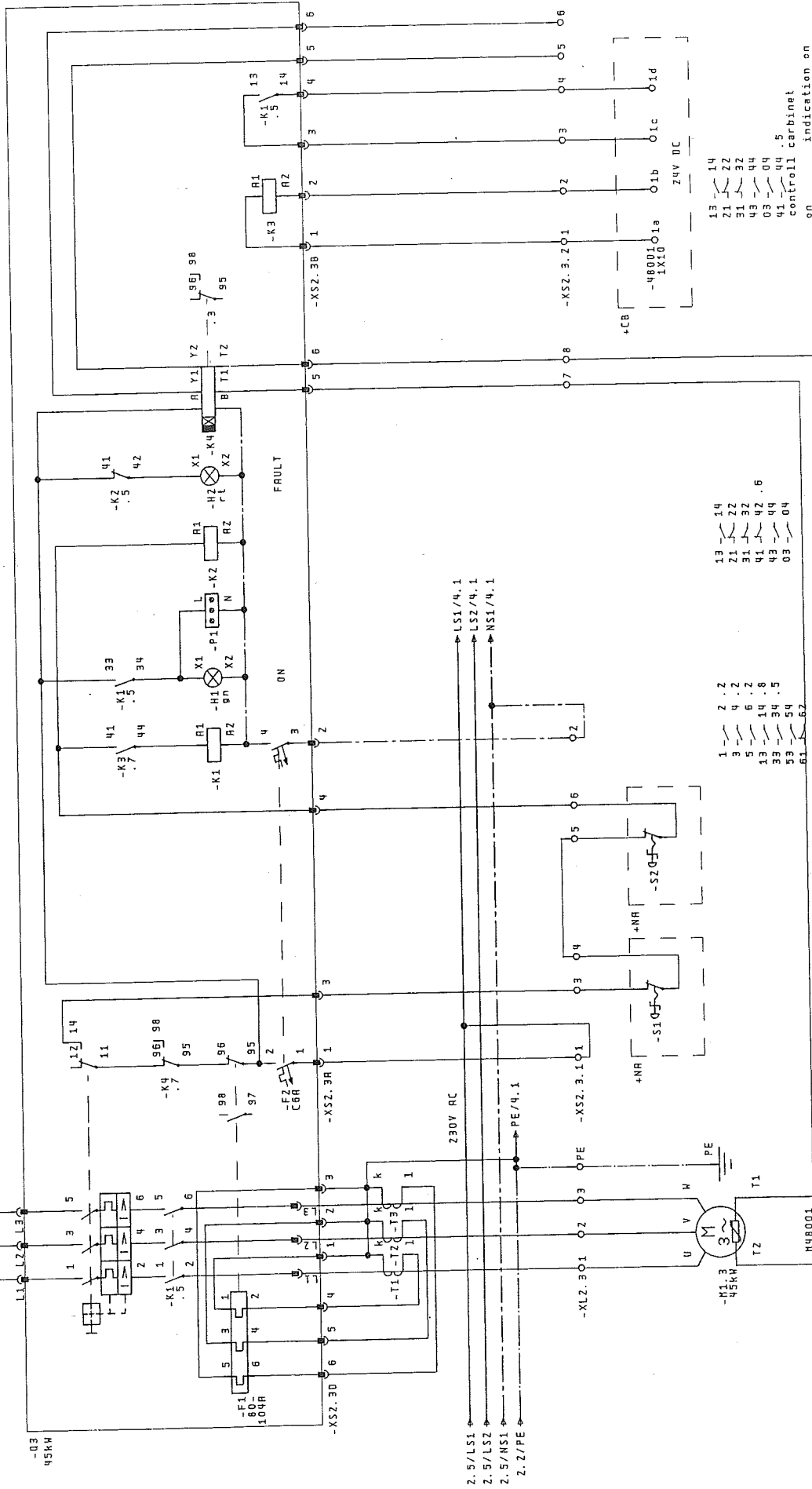
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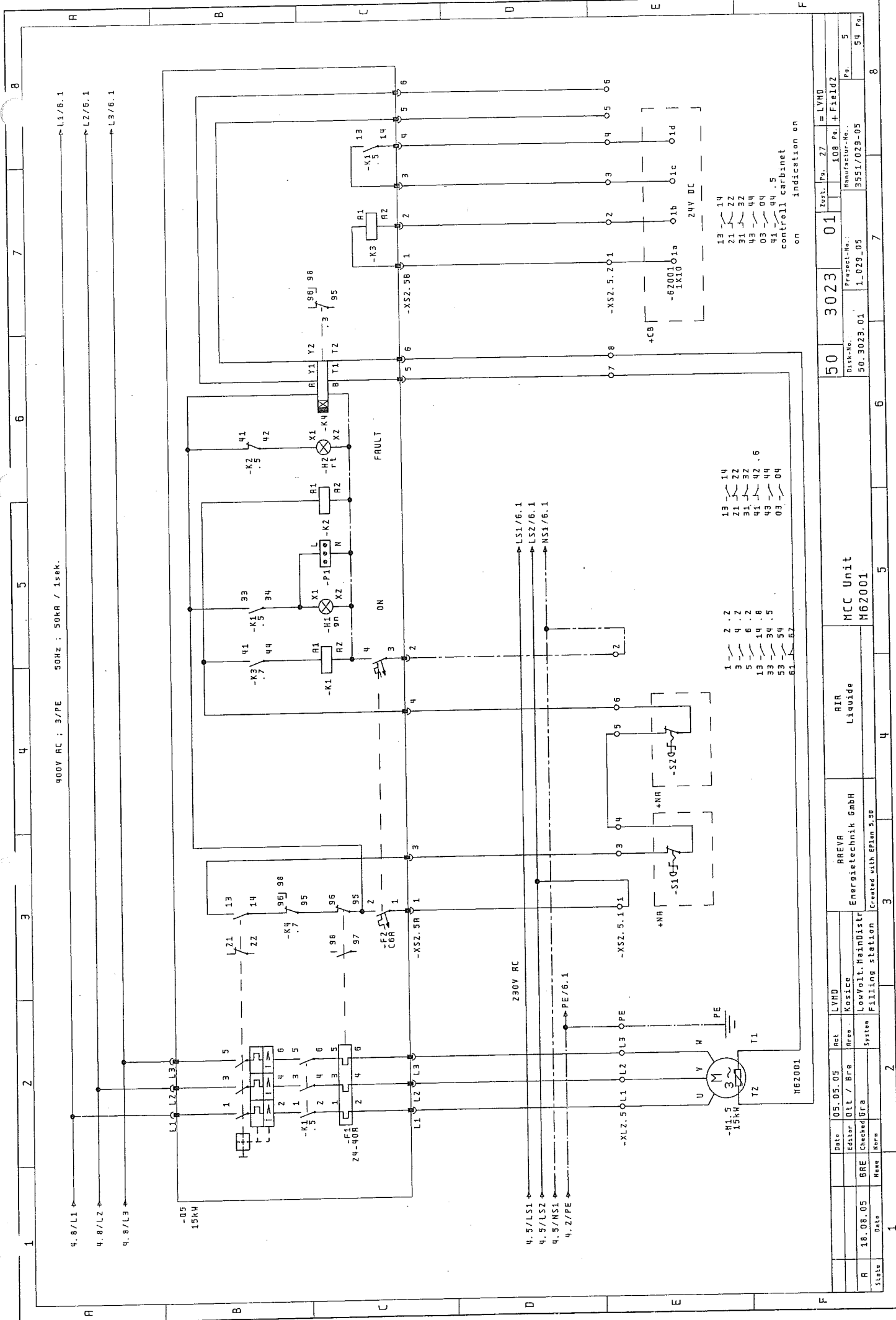
[illegible]

400V AC : 3/PE 50Hz : 50kA / 1sek.

2.8/L1 → L1/4.1
2.8/L2 → L2/4.1
2.8/L3 → L3/4.1

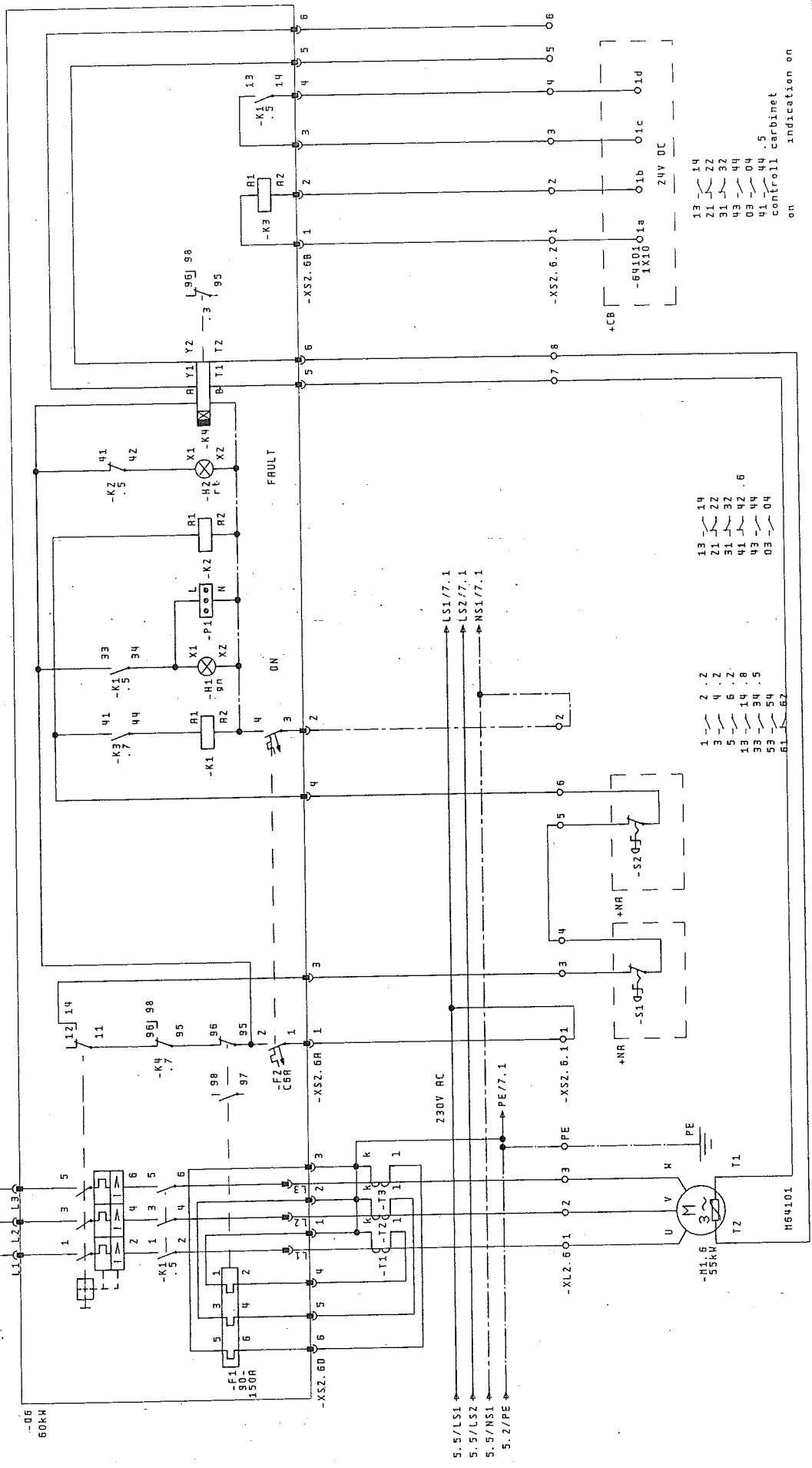


50		3023		01		25		= LVHD	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3	
50.3023.01		1.029.05		3551/029-05		108 Ps. + Field2		3</	



400V AC : 3/PE 50Hz : 50kVA / 1sek.

5.8/L1 → L1/7.1
 5.8/L2 → L2/7.1
 5.8/L3 → L3/7.1



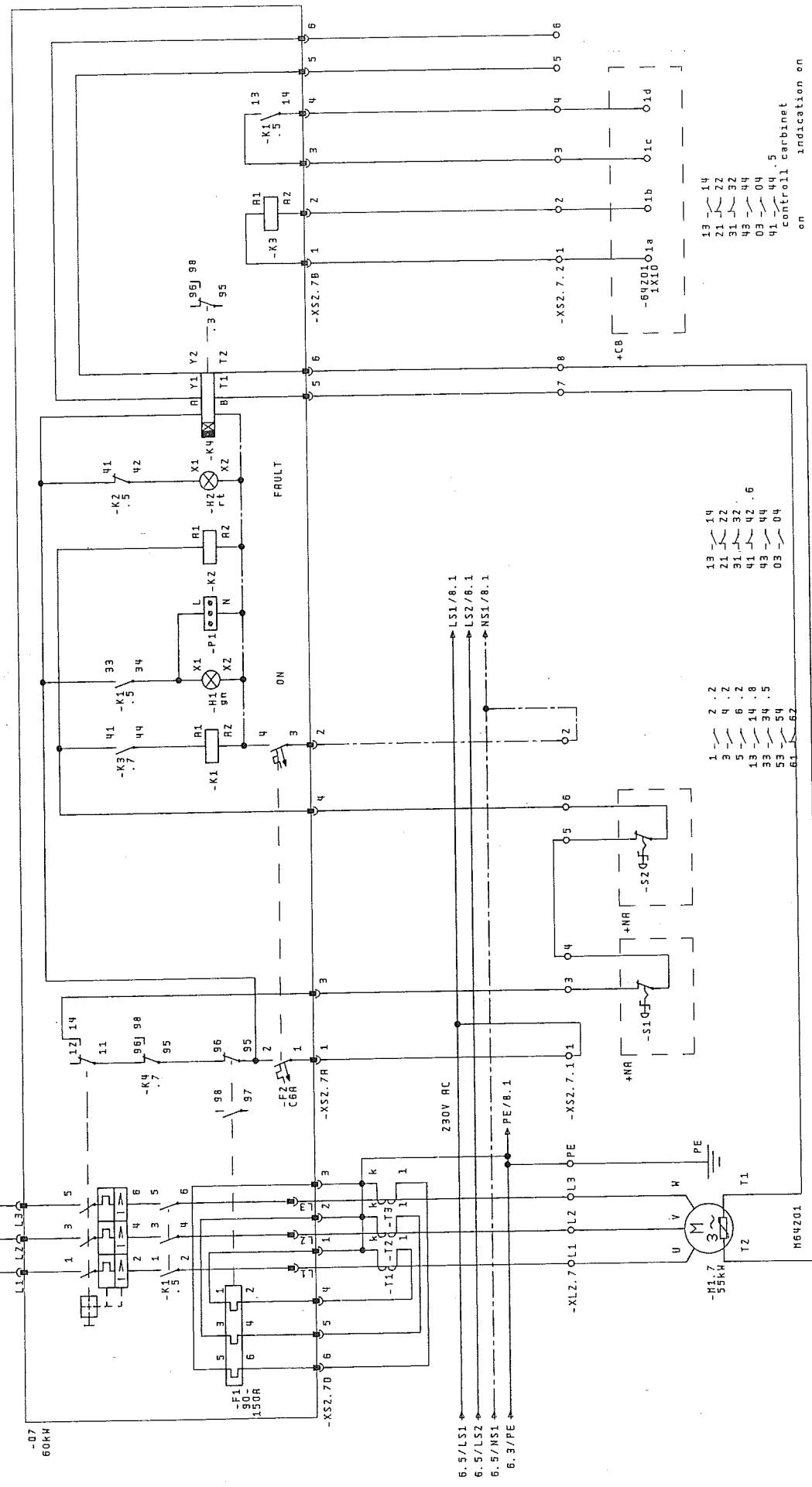
1 2 2
 3 4 2
 5 6 2
 13 14 8
 33 34 5
 53 54 6
 61 62

13 14
 21 22
 31 32
 43 44
 03 04
 41 44 .5
 on
 control cabinet
 indication on

Date		05.05.05	Rel	LVHD	Date		01	28	= LVHD	
Editor		Ull / Bre	Area	Kosice	Date		108	Pa.	+ Field2	
BRE		Checked	Gr	System	Project-No.		1.029_05	50.3023.01		54 Pa.
Filling station		Created with Ertan 5.30	MCC Unit		M64101		50.3023.01		3551/029-05	
State		None	None	None	50.3023.01		1.029_05		3551/029-05	

400V AC : 3/PE 50Hz : 50kA / 1sek.

6.8/L1 → L1/8.1
 6.8/L2 → L2/8.1
 6.8/L3 → L3/8.1

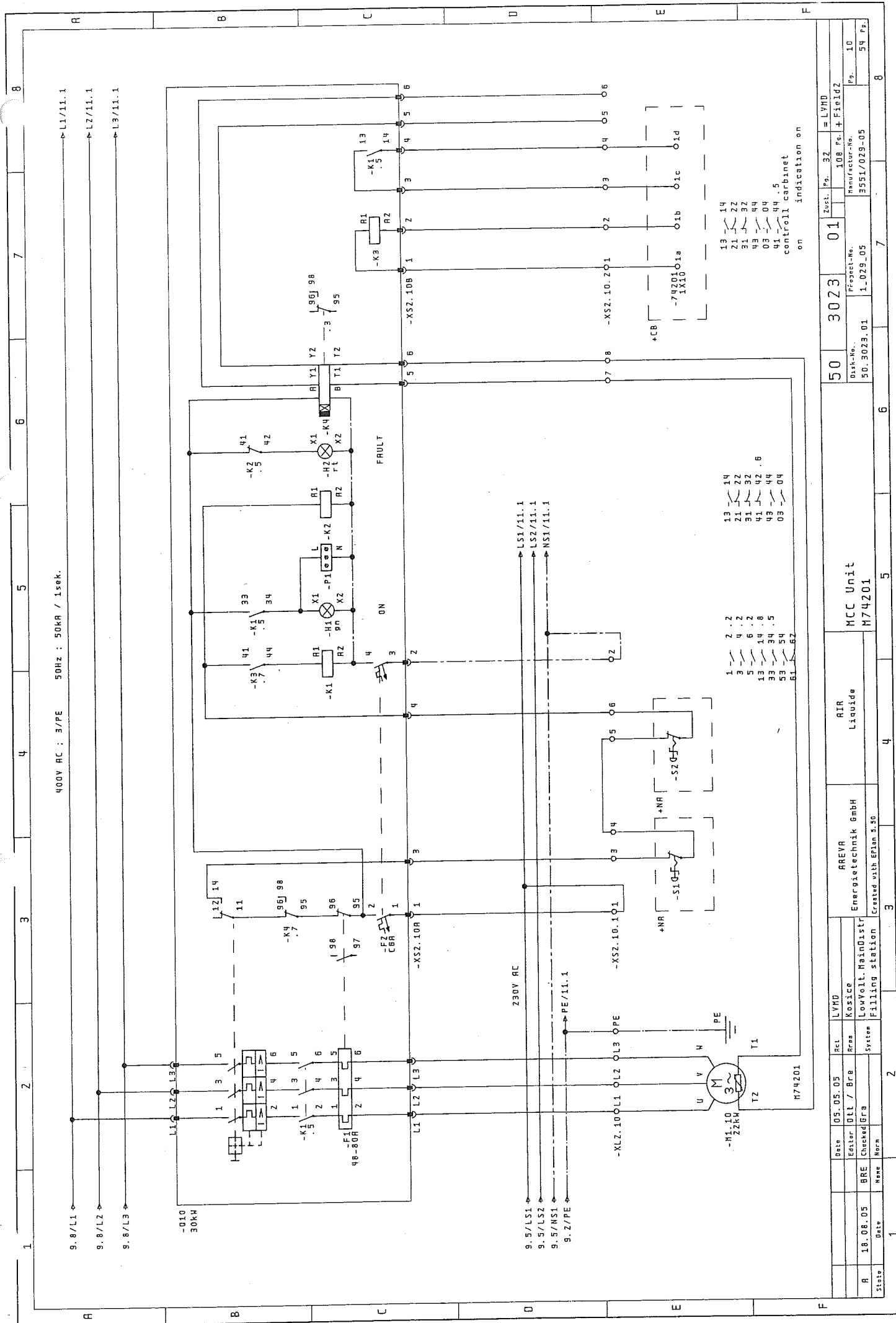


13 ~ 14
 21 ~ 22
 31 ~ 32
 43 ~ 44
 03 ~ 04
 41 ~ 44 .5
 control cabinet
 on indication on

13 ~ 14
 21 ~ 22
 31 ~ 32
 41 ~ 42
 43 ~ 44
 03 ~ 04

1 ~ 2
 4 ~ 2
 5 ~ 6
 13 ~ 14
 33 ~ 34
 53 ~ 54
 61 ~ 62

50		3023		01		Zust. Po. 29		= LVMD	
Disk-No.		Project-No.		108 Po. + Field2		Manufacturer-No.		Fe. 7	
50, 3023, 01		1, 029, 05		3551/029-05		54		Fe.	
MCC Unit		M64201		5		4		3	
Date		18.08.05		BRE		Date		1	
Editor		Ditt / Bre		Kosice		Date		05.05.05	
Checked		Gra		System		Date		18.08.05	
Name		Name		Name		Date		18.08.05	
Filling station		Created with EPLAN 3.50		LowVoll. MainDistr		Date		18.08.05	
AIR		Liquide		M64201		Date		18.08.05	
BREVA		Energietechnik GmbH		M64201		Date		18.08.05	
Date		18.08.05		BRE		Date		18.08.05	

[illegible]

terminalblock: +Field2-XS2.2.1

end

notes and
identification

Link

Clampnumber

end

notes and
identification

+Field1-X7	1	1	-XS2.2A	1
-LVND+Field1-S5	X2	2	-XS2.2A	2
-LVND+NR-S1		3	-XS2.2A	3
-LVND+NR-S1		4		4
-LVND+NR-S2		5		5
-LVND+NR-S2		6	-XS2.2A	6
-LVND-N1.2	T1	7	-XS2.2A	7
-LVND-N1.2	T2	8	-XS2.2A	8

Date 18.08.05		BRE		Name		Horn		Date 05.05.05		Bret		LVND		Kosice		LowVolt.MainDistr		Filling station		AREVA		Energietechnik GmbH		AIR		Liquide		+Field2-XS2.2.1		50		3023		01		Zust. Ps. 34		= LVND		108 Ps. + Field2		Project-No. 1.029_05		Manufacturer-No. 3551/029-05		Ps. 12		54 Ps.	
State		Date		Name		Horn		Date		Bret		LVND		Kosice		LowVolt.MainDistr		Filling station		AREVA		Energietechnik GmbH		AIR		Liquide		+Field2-XS2.2.1		50		3023		01		Zust. Ps. 34		= LVND		108 Ps. + Field2		Project-No. 1.029_05		Manufacturer-No. 3551/029-05		Ps. 12		54 Ps.	

1		2		3		4		5		6		7		8	
terminalblock: +Field2-XS2.2.2															
A		B		C		D		E		F		G		H	
Date		18.08.05		BRE		None		None		None		None		None	
Editor		Dtl / Bre		Date		05.05.05		Ret		LVND		Kosica		LowVolt.MainDist	
Checked		Gra		System		Filling station		Created with Eplan 3.50		AREVA		Energiatechnik GmbH		AIR	
Liquide		+Field2-XS2.2.2		50		3023		01		Zust. Pa.		35		= LVND	
Disk-No.		50.3023.01		Project-No.		1.029-05		108 Pa.		+ Field2		Pa.		13	
Manufacturer-No.		3551/029-05		Pa.		54		Pa.		8					

terminalblock: +Field2-XS2.2.2

end

notes and identification

Link

Clampnumber

end

notes and identification

+CB-440011X10	1a	1	-XS2.2B
+CB-440011X10	1b	2	-XS2.2B
+CB-440011X10	1c	3	-XS2.2B
+CB-440011X10	1d	4	-XS2.2B
		5	-XS2.2B
		6	-XS2.2B

[illegible]

1		2		3		4		5		6		7		8	
terminalblock: +Field2-XS2.3.1															
end															
notes and identification															
Link															
classnumber															
end															
notes and identification															
cable type															
cable type															
cable type															
1															
2															
3															
4															
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98															
99															
100															

Date		05.05.05		Act		LVMD		AREVA		AIR		50		3023		01		Zust. Pg. 38		= LVMD	
Editor		Dtt / Bre		Area		Kosice		Energietechnik GmbH		Liquide		50		3023.01		1.029_05		108 Pg. + Field 2		Pg. 16	
BRE		Checked Gr a		System		LowVolt. Main Distr		Created with EPLAN 5.10				50.3023.01		1.029_05		3551/029-05		Manufacturer-No.		Pg. 54 Pg.	
State		Date		Name		Name		Filling station		4		5		6		7		8			

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

1		2		3		4		5		6		7		8	
A		B		C		D		E		F		G		H	
terminalblock: +Field2-XS2.4A															
end		notes and identification		Link		Clampnumber		end		notes and identification		end		notes and identification	
cabletyp		cabletyp		cabletyp		cabletyp		cabletyp		cabletyp		cabletyp		cabletyp	
Date		05.05.05		Act		LVMD		AREVA		AIR		50		3023	
Editor		Dlt / Gra		Bee		Kosice		Energietechnik GmbH		Liquide		108 Ps.		+ Field2	
18.08.05		BRE		Checked Gra		LowVolt. MainDistr		Created with EPLAN 5.50		Project-No.		3551/029-05		Ps. 23	
State		Date		Name		Born		Filling station		Disk-No.		50.3023.01		54 Ps.	

[illegible]

[illegible]

[illegible]

1		2		3		4		5		6		7		8	
terminalblock: +Field2-XS2. 5A															
A		B		C		D		E		F		G		H	
Date 18.08.05		Date 05.05.05		Date 05.05.05		Date 05.05.05		Date 05.05.05		Date 05.05.05		Date 05.05.05		Date 05.05.05	
State		State		State		State		State		State		State		State	
BRE		BRE		BRE		BRE		BRE		BRE		BRE		BRE	
Name		Name		Name		Name		Name		Name		Name		Name	
Norn		Norn		Norn		Norn		Norn		Norn		Norn		Norn	
Checked		Checked		Checked		Checked		Checked		Checked		Checked		Checked	
Gra		Gra		Gra		Gra		Gra		Gra		Gra		Gra	
Ult		Ult		Ult		Ult		Ult		Ult		Ult		Ult	
Brd		Brd		Brd		Brd		Brd		Brd		Brd		Brd	
Act		Act		Act		Act		Act		Act		Act		Act	
LVHD		LVHD		LVHD		LVHD		LVHD		LVHD		LVHD		LVHD	
Kosice		Kosice		Kosice		Kosice		Kosice		Kosice		Kosice		Kosice	
LowVolt. MainDistr		LowVolt. MainDistr		LowVolt. MainDistr		LowVolt. MainDistr		LowVolt. MainDistr		LowVolt. MainDistr		LowVolt. MainDistr		LowVolt. MainDistr	
Filling station		Filling station		Filling station		Filling station		Filling station		Filling station		Filling station		Filling station	
System		System		System		System		System		System		System		System	
AREVA		AREVA		AREVA		AREVA		AREVA		AREVA		AREVA		AREVA	
Energietechnik GmbH		Energietechnik GmbH		Energietechnik GmbH		Energietechnik GmbH		Energietechnik GmbH		Energietechnik GmbH		Energietechnik GmbH		Energietechnik GmbH	
AIR		AIR		AIR		AIR		AIR		AIR		AIR		AIR	
Liquide		Liquide		Liquide		Liquide		Liquide		Liquide		Liquide		Liquide	
+Field2-XS2. 5A		+Field2-XS2. 5A		+Field2-XS2. 5A		+Field2-XS2. 5A		+Field2-XS2. 5A		+Field2-XS2. 5A		+Field2-XS2. 5A		+Field2-XS2. 5A	
50		50		50		50		50		50		50		50	
3023		3023		3023		3023		3023		3023		3023		3023	
01		01		01		01		01		01		01		01	
Zust.		Zust.		Zust.		Zust.		Zust.		Zust.		Zust.		Zust.	
Pg.		Pg.		Pg.		Pg.		Pg.		Pg.		Pg.		Pg.	
108		108		108		108		108		108		108		108	
Pg. + Field2		Pg. + Field2		Pg. + Field2		Pg. + Field2		Pg. + Field2		Pg. + Field2		Pg. + Field2		Pg. + Field2	
27		27		27		27		27		27		27		27	
Pg.		Pg.		Pg.		Pg.		Pg.		Pg.		Pg.		Pg.	
54		54		54		54		54		54		54		54	
Pg.		Pg.		Pg.		Pg.		Pg.		Pg.		Pg.		Pg.	
54		54		54		54		54		54		54		54	
Pg.		Pg.		Pg.		Pg.		Pg.		Pg.		Pg.		Pg.	
54		54		54		54		54		54		54		54	
Pg.		Pg.		Pg.		Pg.		Pg.		Pg.		Pg.		Pg.	
54		54		54		54		54		54		54		54	
Pg.		Pg.		Pg.		Pg.		Pg.		Pg.		Pg.		Pg.	
54		54		54		54		54		54		54		54	
Pg.		Pg.		Pg.		Pg.		Pg.		Pg.		Pg.		Pg.	
54		54		54		54		54		54		54		54	
Pg.		Pg.		Pg.		Pg.		Pg.		Pg.		Pg.		Pg.	
54		54		54		54		54		54		54		54	
Pg.		Pg.		Pg.		Pg.		Pg.		Pg.		Pg.		Pg.	
54		54		54		54		54		54		54		54	
Pg.		Pg.		Pg.		Pg.		Pg.		Pg.		Pg.		Pg.	
54		54		5											

terminalblock: +Field2-XS2.5B

end

notes and
identification

link

clapnumber

end

notes and
identification

-XS2.5.2
-XS2.5.2
-XS2.5.2
-XS2.5.2
-XS2.5.2
-XS2.5.2

1
2
3
4
5
6

1 =LVHD-05-K3
2 =LVHD-05-K3
3 =LVHD-05-K1
4 =LVHD-05-K1
5 =LVHD-05-K4
6 =LVHD-05-K4

A1
A2
13
14
Y2
Y1

Date 18.08.05		Date 05.05.05		Act	LYND	AREVA		AIR		+Field2-XS2.5B		50	3023	01	Zust. Pa. 50 = LVHD		
Editor BRE		Editor Dtt / Bre		Area	Kosice	Energietechnik GmbH		Liquide				Disk-No. 50.3023.01		Project-No. 1.029_05		Manufacturer-No. 3551/029-05	
Checked BRE		Checked Gra		System	LowVolt.MainDistr	Created with Eplan 5.30						54 Pa.		28		8	
Name		Name		Filling station		3		4		5		6		7		8	

[illegible]

1		2		3		4		5		6		7		8	
<div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;">terminalblock: +Field2-XS2.6.2</div> <div style="border: 1px solid black; padding: 5px;"> <div style="display: flex; justify-content: space-between;"> <div>end</div> <div>notes and identification</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div>link</div> <div>clapnumber</div> <div>end</div> <div>notes and identification</div> </div> </div>		cabeltyp		cabeltyp		cabeltyp		cabeltyp		cabeltyp		cabeltyp		cabeltyp	
		cabeltyp		cabeltyp		cabeltyp		cabeltyp		cabeltyp		cabeltyp		cabeltyp	
		cabeltyp		cabeltyp		cabeltyp		cabeltyp		cabeltyp		cabeltyp		cabeltyp	
		cabeltyp		cabeltyp		cabeltyp		cabeltyp		cabeltyp		cabeltyp		cabeltyp	
1		2		3		4		5		6		7		8	
1a		1b		1c		1d		1		2		3		4	
2		3		4		5		6		7		8		9	
3		4		5		6		7		8		9		10	
4		5		6		7		8		9		10		11	
5		6		7		8		9		10		11		12	
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[illegible]

[illegible]

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terminalblock: +FieldZ-XS2.60															
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k		k		k		k		k		k		k		k	
1		2		3		4		5		6		1		2	
=LYND-T1		=LYND-T2		=LYND-T3		=LYND-T1		=LYND-T2		=LYND-T3		=LYND-T1		=LYND-T2	
1		1		1		1		1		1		1		1	
=LYND-T3		=LYND-T3		=LYND-T3		=LYND-T3		=LYND-T3		=LYND-T3		=LYND-T3		=LYND-T3	
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=LYND-T3		=LYND-T3		=LYND-T3		=LYND-T3		=LYND-T3		=LYND-T3		=LYND-T3		=LYND-T3	
1		1		1		1		1		1		1		1	
=LYND-T3		=LYND-T3		=LYND-T3		=LYND-T3		=LYND-T3		=LYND-T3		=LYND-T3		=LYND-T3	
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=LYND-T3		=LYND-T3		=LYND-T3		=LYND-T3		=LYND-T3		=LYND-T3		=LYND-T3		=LYND-T3	
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=LYND-T3		=LYND-T3		=LYND-T3		=LYND-T3		=LYND-T3		=LYND-T3		=LYND-T3		=LYND-T3	
1		1		1		1		1		1		1		1	
=LYND-T3		=LYND-T3		=LYND-T3		=LYND-T3		=LYND-T3		=LYND-T3		=LYND-T3		=LYND-T3	
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=LYND-T3		=LYND-T3		=LYND-T3		=LYND-T3		=LYND-T3		=LYND-T3		=LYND-T3		=LYND-T3	
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=LYND-T3		=LYND-T3		=LYND-T3		=LYND-T3		=LYND-T3		=LYND-T3		=LYND-T3		=LYND-T3	
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=LYND-T3		=LYND-T3		=LYND-T3		=LYND-T3		=LYND-T3		=LYND-T3		=LYND-T3		=LYND-T3	
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=LYND-T3		=LYND-T3		=LYND-T3		=LYND-T3		=LYND-T3		=LYND-T3		=LYND-T3		=LYND-T3	
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=LYND-T3		=LYND-T3		=LYND-T3		=LYND-T3		=LYND-T3		=LYND-T3		=LYND-T3		=LYND-T3	
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=LYND-T3		=LYND-T3		=LYND-T3		=LYND-T3		=LYND-T3		=LYND-T3		=LYND-T3		=LYND-T3	
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=LYND-T3		=LYND-T3		=LYND-T3		=LYND-T3		=LYND-T3		=LYND-T3		=LYND-T3		=LYND-T3	
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=LYND-T3		=LYND-T3		=LYND-T3		=LYND-T3		=LYND-T3		=LYND-T3		=LYND-T3		=LYND-T3	
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=LYND-T3		=LYND-T3		=LYND-T3		=LYND-T3		=LYND-T3		=LYND-T3		=LYND-T3		=LYND-T3	
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1		1		1		1		1		1		1		1	
=LYND-T3		=LYND-T3		=LYND-T3		=LYND-T3		=LYND							

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1		2		3		4		5		6		7		8	
terminalblock: +Field2-XS2.7A															
end		notes and identification		link		clapnumber		end		notes and identification		end			
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end		notes and identification		link		clapnumber		end		notes and identification		end			
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end		notes and identification		link		clapnumber		end		notes and identification		end			
end		notes and identification		link		clapnumber		end		notes and identification		end			
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end		notes and identification		link		clapnumber		end		notes and identification		end			
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A		B		C		D		E		F		G		H	
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Editor		Olt / Bre		Area		Kosica		Energietechnik GmbH		Liquide		Zust. Pa.		50	
BRE		Checked		System		LowVolt. MainDistr.		Created with EPLAN 5.30		Project-No.		108 Pa.		+ Field2	
State		Date		Name		Filling station		Created with EPLAN 5.30		Disk-No.		50.3023.01		3551/029-05	
Date		10.08.05		Name		Filling station		Created with EPLAN 5.30		Project-No.		1.029.05		3551/029-05	
Date		10.08.05		Name		Filling station		Created with EPLAN 5.30		Project-No.		1.029.05		3551/029-05	
Date		10.08.05		Name		Filling station		Created with EPLAN 5.30		Project-No.		1.029.05		3551/029-05	
Date		10.08.05		Name		Filling station		Created with EPLAN 5.30		Project-No.		1.029.05		3551/029-05	
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Date		10.08.05		Name		Filling station		Created with EPLAN 5.30		Project-No.		1.029.05		3551/029-05	
Date		10.08.05		Name		Filling station		Created with EPLAN 5.30		Project-No.		1.029.05		3551/029-05	
Date		10.08.05		Name		Filling station		Created with EPLAN 5.30		Project-No.		1.029.05		3551/029-05	
Date		10.08.05		Name		Filling station		Created with EPLAN 5.30		Project-No.		1.029.05		3551/029-05	
Date		10.08.05		Name		Filling station		Created with EPLAN 5.30		Project-No.		1.029.05		3551/029-05	
Date		10.08.05		Name		Filling station		Created with EPLAN 5.30		Project-No.		1.029.05		3551/029-05	
Date		10.08.05		Name		Filling station		Created with EPLAN 5.30		Project-No.		1.029.05		3551/029-05	
Date		10.08.05		Name		Filling station		Created with EPLAN 5.30		Project-No.		1.029.05		3551/029-05	
Date		10.08.05		Name		Filling station		Created with EPLAN 5.30		Project-No.		1.029.05		3551/029-05	
Date		10.08.05		Name		Filling station		Created with EPLAN 5.30		Project-No.		1.029.05		3551/029-05	
Date		10.08.05		Name		Filling station		Created with EPLAN 5.30		Project-No.		1.029.05		3551/029-05	
Date		10.08.05		Name		Filling station		Created with EPLAN 5.30		Project-No.		1.029.05		3551/029-05	
Date		10.08.05		Name		Filling station		Created with EPLAN 5.30		Project-No.		1.029.05		3551/029-05	
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Date		10.08.05		Name		Filling station		Created with EPLAN 5.30		Project-No.		1.029.05		3551/029-05	
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Date		10.08.05		Name		Filling station		Created with EPLAN 5.30		Project-No.		1.029.05		3551/029-05	
Date		10.08.05		Name		Filling station		Created with EPLAN 5.30		Project-No.		1.029.05		3551/029-05	
Date		10.08.05		Name		Filling station		Created with EPLAN 5.30		Project-No.		1.029.05		3551/029-05	
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Date		10.08.05		Name		Filling station		Created with EPLAN 5.30		Project-No.		1.029.05		3551/029-05	
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Date		10.08.05		Name		Filling station		Created with EPLAN 5.30		Project-No.		1.029.05		3551/029-05	
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Date		10.08.05		Name		Filling station		Created with EPLAN 5.30		Project-No.		1.029.05			

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[illegible]

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1		2		3		4		5		6		7		8	
Date		Data		Act		LVMD		AREVA		RTR		50		3023	
Editor		05.05.05		Kosice		LowVol. MainDistr		Energietechnik GmbH		Liquido		50.3023.01		1.029.05	
Checked		05.05.05		BKE		Filling Station		Created with Eplan 5.50				50.3023.01		9551/029-05	
Norm		Norm		System		Filling Station		Created with Eplan 5.50				50.3023.01		9551/029-05	
State		Date		Name		System		Filling Station		Created with Eplan 5.50		50.3023.01		9551/029-05	
18.08.05		BKE		Checked		05.05.05		BKE		Filling Station		50.3023.01		9551/029-05	
Editor		05.05.05		Kosice		LowVol. MainDistr		Energietechnik GmbH		Liquido		50.3023.01		9551/029-05	
Data		05.05.05		Act		LVMD		AREVA		RTR		50		3023	
Date		05.05.05		Kosice		LowVol. MainDistr		Energietechnik GmbH		Liquido		50.3023.01		9551/029-05	
Checked		05.05.05		BKE		Filling Station		Created with Eplan 5.50				50.3023.01		9551/029-05	
Norm		Norm		System		Filling Station		Created with Eplan 5.50				50.3023.01		9551/029-05	

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terminalblock: +Field2-XS2.10.1

end

notes and
identification

Link

Clappnumber

end

notes and
identification

-XS2.9.1

-XS2.9.1

+LVHD+NR-S1

+LVHD+NR-S1

+LVHD+NR-S2

+LVHD+NR-S2

+LVHD-M1.10

+LVHD-M1.10

1

2

3

4

5

6

7

8

1 -XS2.10A

2 -XS2.10A

3 -XS2.10A

4

5

6 -XS2.10A

7 -XS2.10A

8 -XS2.10A

11

12

State	Date	18.08.05	BRE	Checked	Gra	Norm	Date	05.05.05	Act	LVHD	Kosice	LowVoit.Maindistri	Filling station	AREVA	Energie-technik GmbH	AIR	Liquide	+Field2-XS2.10.1	50	3023	01	Zust. Pa.	69	= LVHD	108 Pa.	+ Field2	Ps.	47	59 Pa.
-------	------	----------	-----	---------	-----	------	------	----------	-----	------	--------	--------------------	-----------------	-------	----------------------	-----	---------	------------------	----	------	----	-----------	----	--------	---------	----------	-----	----	--------

Created with EPLAN 5.30

1		2		3		4		5		6		7		8	
terminalblock: +Field2-XS2.10.2															
A		B		C		D		E		F		G		H	
Date		03.05.05		Ret		LVMD		AREVA		AIR		50		3023	
Editor		Dlt / Bre		Bree		Kosice		Energietechnik GmbH		Liquide		50.3023.01		01	
Checked		Gra		System		LowVolt.MainDistr		Created with EPlan 5.50		Project-No.		1-029-05		108 Pa. + Field2	
Name		Name		Name		Name		Name		Name		3551/029-05		Ps.	
Date		18.08.05		BRE		Checked		Gra		Date		50.3023.01		48	
State		Date		Name		Name		Name		Name		54 Pa.		8	

terminalblock: +Field2-XS2.10.2

notes and identification	Link	Clampnumber	end
+CB-742011X10	1a	1 -XS2.10B	1
+CB-742011X10	1b	2 -XS2.10B	2
+CB-742011X10	1c	3 -XS2.10B	3
+CB-742011X10	1d	4 -XS2.10B	4
		5 -XS2.10B	5
		6 -XS2.10B	6

Date		03.05.05		Ret		LVMD		AREVA		AIR		50		3023	
Editor		Dlt / Bre		Bree		Kosice		Energietechnik GmbH		Liquide		50.3023.01		01	
Checked		Gra		System		LowVolt.MainDistr		Created with EPlan 5.50		Project-No.		1-029-05		108 Pa. + Field2	
Name		Name		Name		Name		Name		Name		3551/029-05		Ps.	
Date		18.08.05		BRE		Checked		Gra		Date		50.3023.01		48	
State		Date		Name		Name		Name		Name		54 Pa.		8	

terminalblock: +Field2-XS2.10A

end

notes and
identification

end

Link

Clampnumber

notes and
identification

end

-XS2.10.1	1	1	1	-LVHD-010-F2	1
-XS2.10.1	2	2	2	-LVHD-010-F2	3
-XS2.10.1	3	3	3	-LVHD-010	14
-XS2.10.1	6	4	4	-LVHD-010-K3	41
-XS2.10.1	7	5	5	-LVHD-010-K4	11
-XS2.10.1	8	6	6	-LVHD-010-K4	12

Date		05.05.05	Act	LVHD	AREVA		AIR		50		3023	01	Zust.	Pa. 71	= LVHD	
Editor		01 / Gra	Area	Kosice	Energietechnik GmbH		Liquide		50.3023.01		1.029.05	108 Pa. + Field2	108 Pa. + Field2		49	
Checked		Gra	System	LowVolt>Maindistr	Created with Eplan 5.30				50.3023.01		1.029.05	3551/029-05	3551/029-05		54 Pa.	
Name		Norm		Filling station					50.3023.01		1.029.05	3551/029-05	3551/029-05		54 Pa.	

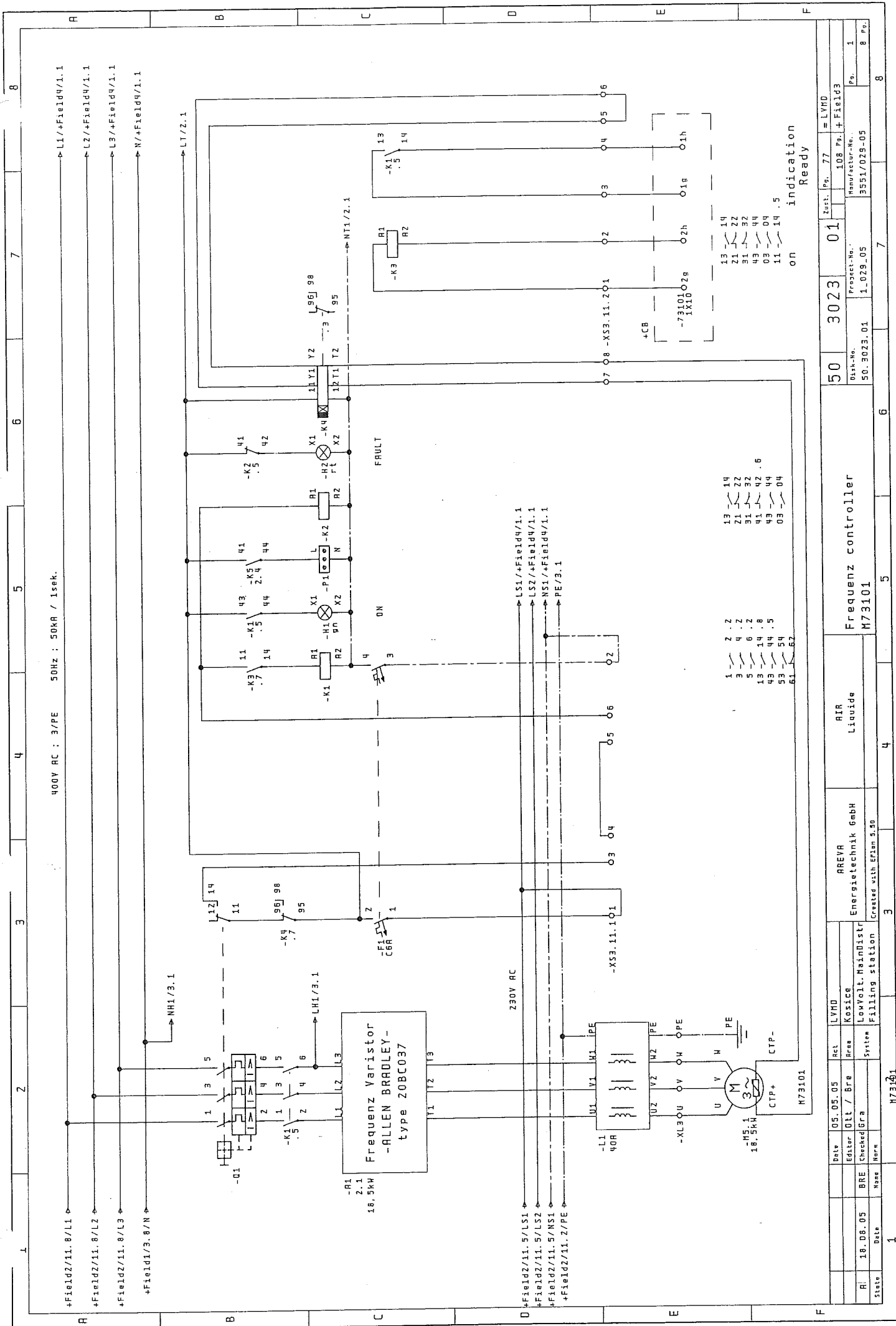
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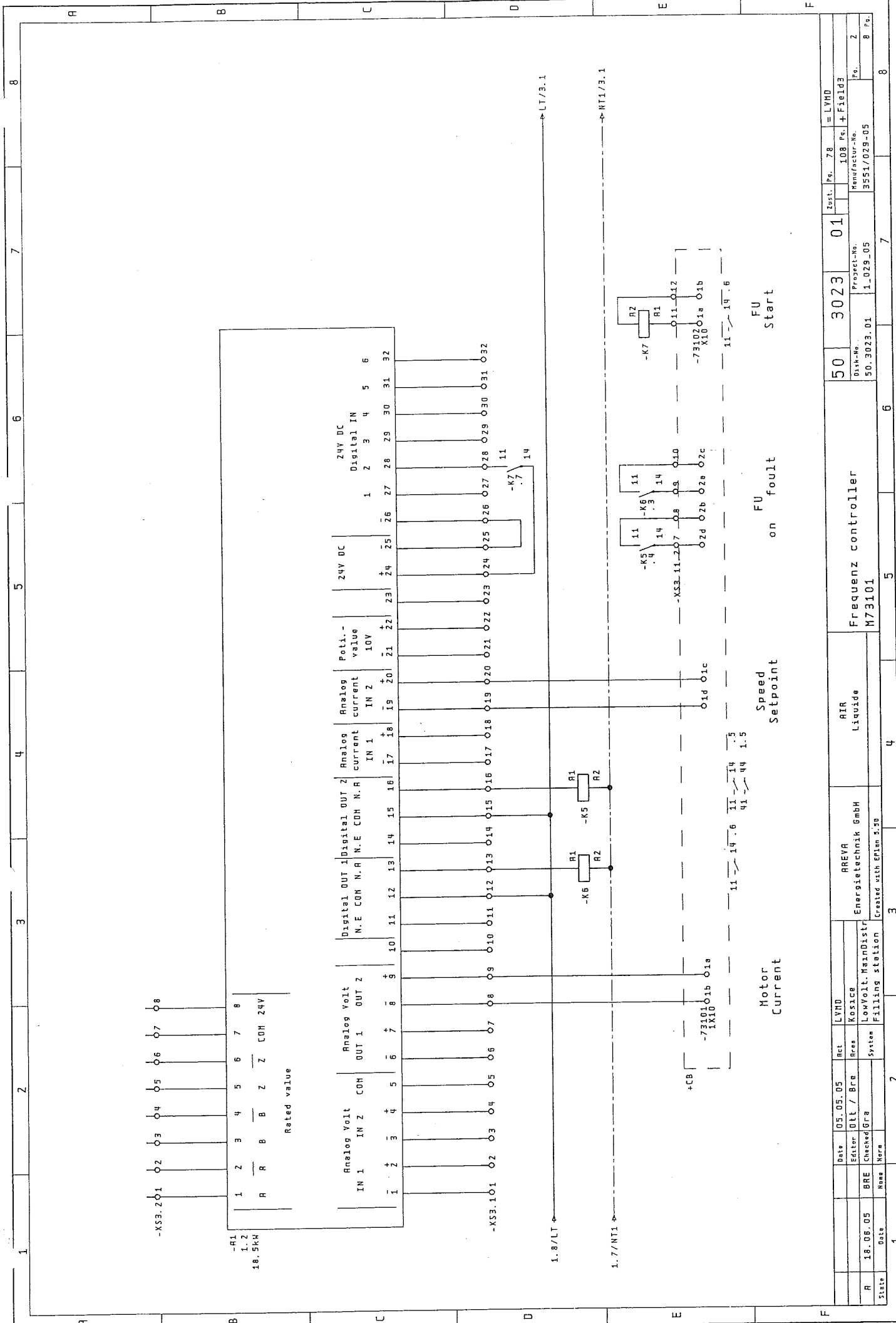
[illegible]

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[illegible]

[illegible]





Date		05.05.05	Act	LYND	Zust.		Pg. 78	01	= LYND		108 Ps.		+ Field3		Pg. 2		8 Ps.		8	
Editor		Bit / Bre	Area	Kosice	Project-No.		1-029.05		50.3023.01		3551/029-05		7		8		8		8	
BRE		Checked	Gr	System	Filling station		Created with Eplan 5.50		AREVA		Energietechnik GmbH		AIR		Liquide		Frequenz controller		M73101	
State		Date	Name	Norm	Disch.-No.		50.3023.01		50.3023.01		50.3023.01		5		6		7		8	

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

1		2		3		4		5		6		7		8	
A		B		C		D		E		F		G		H	
terminalblock: +Field4-XS4.11.1															
end		end		end		end		end		end		end		end	
notes and identification		notes and identification		notes and identification		notes and identification		notes and identification		notes and identification		notes and identification		notes and identification	
Link		Link		Link		Link		Link		Link		Link		Link	
Clampnumber		Clampnumber		Clampnumber		Clampnumber		Clampnumber		Clampnumber		Clampnumber		Clampnumber	
1		1		1		1		1		1		1		1	
2		2		2		2		2		2		2		2	
3		3		3		3		3		3		3		3	
4		4		4		4		4		4		4		4	
5		5		5		5		5		5		5		5	
6		6		6		6		6		6		6		6	
7		7		7		7		7		7		7		7	
8		8		8		8		8		8		8		8	
9		9		9		9		9		9		9		9	
10		10		10		10		10		10		10		10	
11		11		11		11		11		11		11		11	
12		12		12		12		12		12		12		12	
13		13		13		13		13		13		13		13	
14		14		14		14		14		14		14		14	
15		15		15		15		15		15		15		15	
16		16		16		16		16		16		16		16	
17		17		17		17		17		17		17		17	
18		18		18		18		18		18		18		18	
19		19		19		19		19		19		19		19	
20		20		20		20		20		20		20		20	
21		21		21		21		21		21		21		21	
22		22		22		22		22		22		22		22	
23		23		23		23		23		23		23		23	
24		24		24		24		24		24		24		24	
25		25		25		25		25		25		25		25	
26		26		26		26		26		26		26		26	
27		27		27		27		27		27		27		27	
28		28		28		28		28		28		28		28	
29		29		29		29		29		29		29		29	
30		30		30		30		30		30		30		30	
31		31		31		31		31		31		31		31	
32		32		32		32		32		32		32		32	
33		33		33		33		33		33		33		33	
34		34		34		34		34		34		34		34	
35		35		35		35		35		35		35		35	
36		36		36		36		36		36		36		36	
37		37		37		37		37		37		37		37	
38		38		38		38		38		38		38		38	
39		39		39		39		39		39		39		39	
40		40		40		40		40		40		40		40	
41		41		41		41		41		41		41		41	
42		42		42		42		42		42		42		42	
43		43		43		43		43		43		43		43	
44		44		44</											

[illegible]

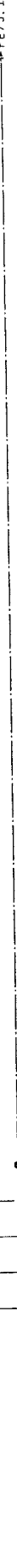
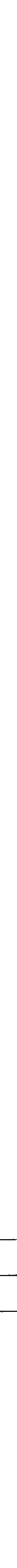
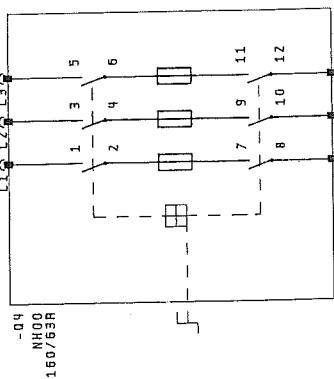
[illegible]

1		2		3		4		5		6		7		8	
<div> <div>400V AC : 3/PE</div> <div>50Hz : 50kA / 1sek.</div> </div>															
<div> <div>1.8/L1</div> <div>1.8/L2</div> <div>1.8/L3</div> </div>															
<div> <div>1.8/N</div> <div>1.8/PE</div> </div>															
<div> <div>N/3.1</div> <div>PE/3.1</div> </div>															

50		3023		01		Zust.		Pg. 94		= LVH0	
Disk-No.		Project-No.		108 Pa. + Field5		Pg.		2		Pg.	
50.3023.01		1.029.05		3551/029-05		15		Pg.		Pg.	
Fuse NH00										AIR Liquide	
AREVA Energietechnik GmbH										Created with EPLAN 5.50	
LowVolt.MainDistr										Filling station	
Date										Name	
15.08.05										BRE	
Editor										Olt / Bre	
Date										05.05.05	
Act										Area	
Area										Kosice	
Area										LYH0	

1	2	3	4	5	6	7	8
<div>400V RC : 3/PE 50Hz : 50kA / 1sek.</div> <div> <div>2.8/L1 → L1/q.1</div> <div>2.8/L2 → L2/q.1</div> <div>2.8/L3 → L3/q.1</div> </div>							
<div>2.8/N → N/q.1</div> <div>2.8/PE → PE/q.1</div>							

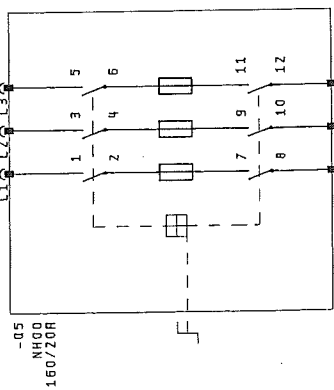
Date		05.05.05		Ret	LVHD	50		3023	01	Zest.	Pe.	95	= LVHD		
Editor		Dlt / Bpe		Bras	Kosice	50.3023.01		1.029.05	108	Pe.		108	= Field5		
Checked		Gra		Sytem	LowVolt.MainDistr	50.3023.01		1.029.05	Project-No.		3551/029-05		Pe.		
Name		BPE		Norm	Filling station	50.3023.01		1.029.05	Disk-No.		3551/029-05		16		
State		A		AREVA Energietechnik GmbH		FUSE NH1		AIR Liquide		Created with Eplan 5.50		3		8	



		Date	05.05.05	Act	LVRD
		Editor	Qtt / Bre	Area	Kosice
A	18.08.05	BRE	Checked	Grc	LowVult>MainDistr
State	Date	Name	Name	Norm	Filling station

400V AC : 3/PE 50Hz : 50kA / 1sek.

4. 8/L1 → L1/6.1
 4. 8/L2 → L2/6.1
 4. 8/L3 → L3/6.1



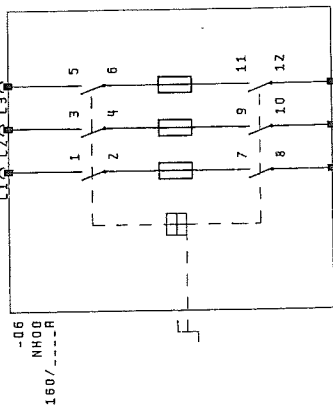
4. 8/N → N/6.1
 4. 8/PE → PE/6.1

-XL5.50L1 OL2 OL3 ON OPE
 -W73101 L1 L2 L3 PE

Date		05.05.05	Act	LYMD	AREVA		FUSE NH00		50	3023	01	Zust.	Pg.	97	= LVMD	
Editor		Ott / Bre	Area	Kosice	Energietechnik GmbH		AIR		108		108		Pg.		+ Fields	
BRE		Checked	Gra	System	LowVolt Maindistr		Liquide		Project-No.		1_029_05		3551/029-05		16	
Date		18.08.05	Norm	System	Filling station		Created with EPLAN 5.36		Disk-No.		50.3023.01		3551/029-05		5	
State		A	Norm	System	Filling station		Created with EPLAN 5.36		Project-No.		1_029_05		3551/029-05		16	

400V AC : 3/PE 50Hz : 50kA / 1sek.

5.8/L1 → L1/7.1
 5.8/L2 → L2/7.1
 5.8/L3 → L3/7.1

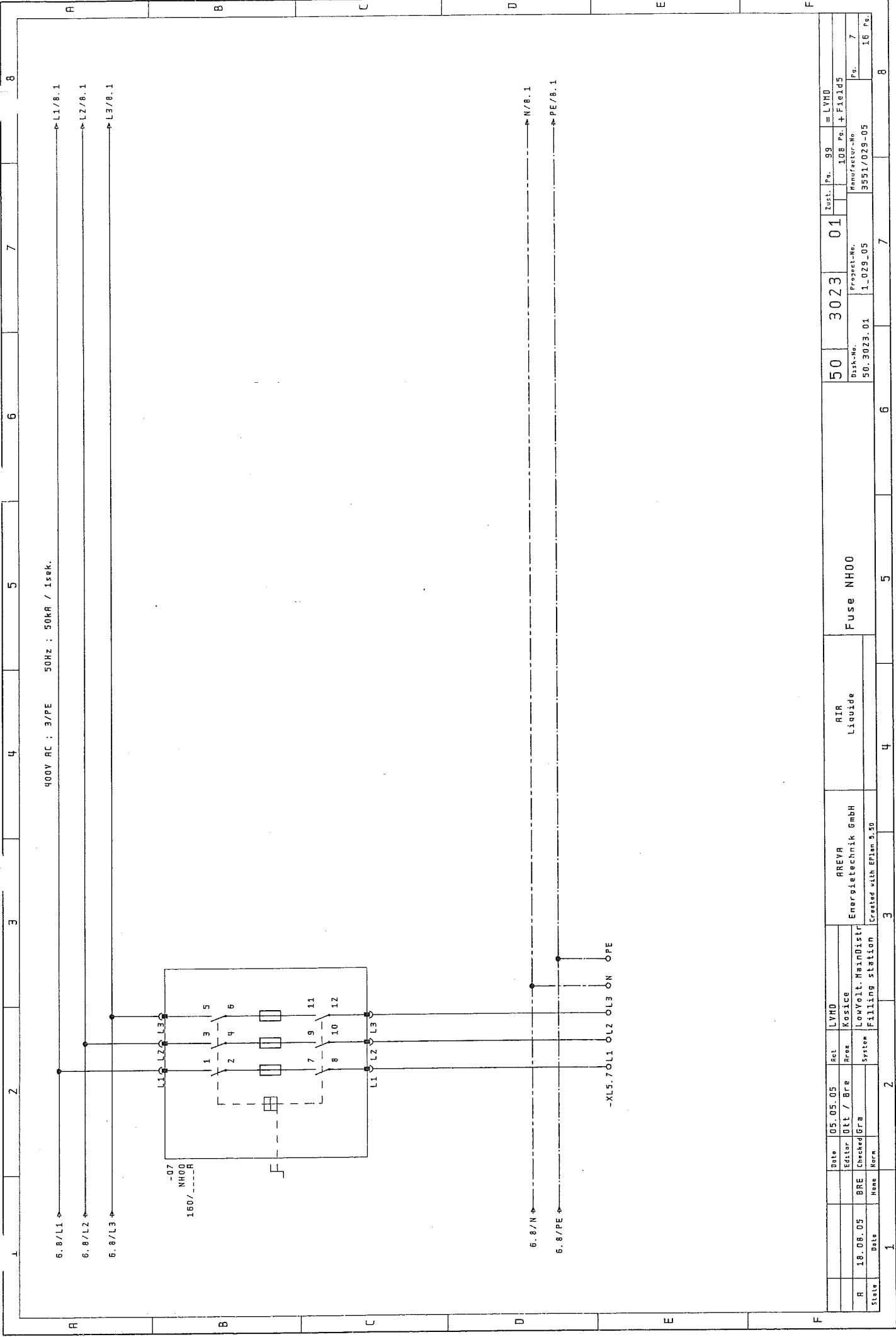


-06
 NH00
 150/-----

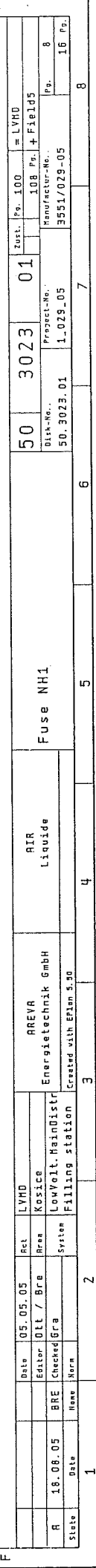
5.8/N → N/7.1
 5.8/PE → PE/7.1

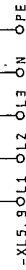
-XL5.60L1 0L2 0L3 ON OPE

Date		05.05.05		Act		LYND		Zust. Pa. 98		01		50		3023		108 Pe. + Field5		= LYND	
Editor		Dlt / Bre		Area		Kosice		Project-No.		1_029_05		50.3023.01		3951/029-05		16 Pg.		6	
BRE		Checked		Gra		System		LowVolt.MainDistr		Filling station		Created with EPLAN 5.30		AREVA Energietechnik GmbH		AIR Liquide		Fuse NH00	
Name		Norm		Date		18.08.05		R		State		1		2		3		4	
1		2		3		4		5		6		7		8		9		10	



Date		05.05.05	Act	LYND	Zust.		01	99	= LYND		Pg.		7
Editor		Ott / Bre	Area	Kosice	Project-No.		50.3023.01	108	Pg. + Field		Pg.		7
BRE		Checked	Gra	System	Manufacturer-No.		50.3023.01	3551/029-05	Pg.		Pg.		16
State		Date	Name	Norm	Created with EPLAN 3.50		50.3023.01		Pg.		Pg.		16



1

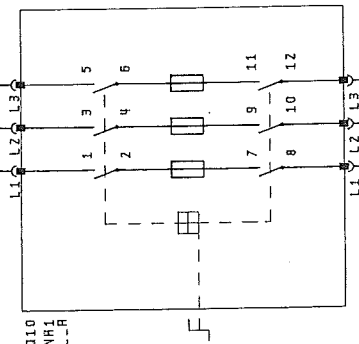
400V AC : 3/PE 50Hz : 50kA / 1sek.

9.8/L1

9.8/L2

9.8/L3

-010
NH1
250/---A

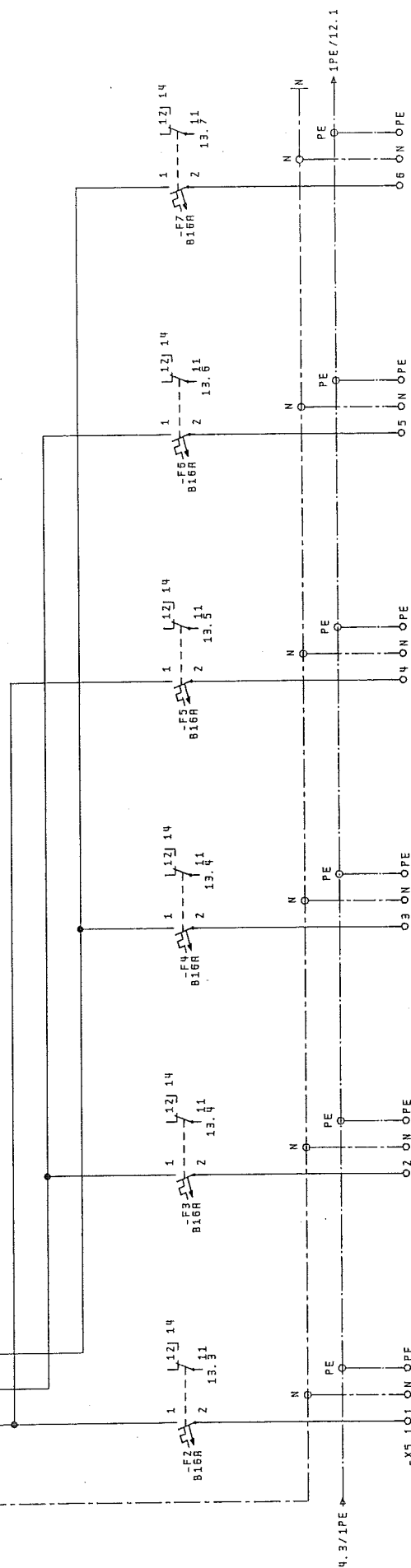
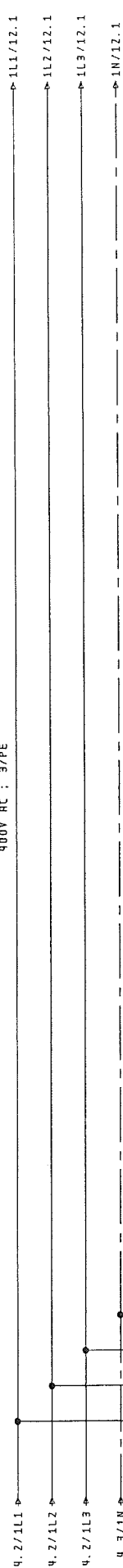


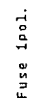
9.8/N

9.8/PE

-XL5.100L1 OL2 OL3 ON OPE

Date		05.05.05	Rel.	LVHD	FUSE NH1		50	3023	01	Zust.	Pa. 102	= LVHD
Editor		Ult / Bre	Area	Kosice	FUSE NH1		Disk-No.		Project-No.	108 Pa. + Field 5		Pa. 10
BRE		Checked	Gr	System	Energietechnik GmbH		50.3023.01		1.029.05	3551/029-05		Pa. 16
Date		18.08.05	Area	System	Created with EPLAN 5.50		50.3023.01		1.029.05	3551/029-05		Pa. 16
State		None	None	None	Created with EPLAN 5.50		50.3023.01		1.029.05	3551/029-05		Pa. 16

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[illegible]

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