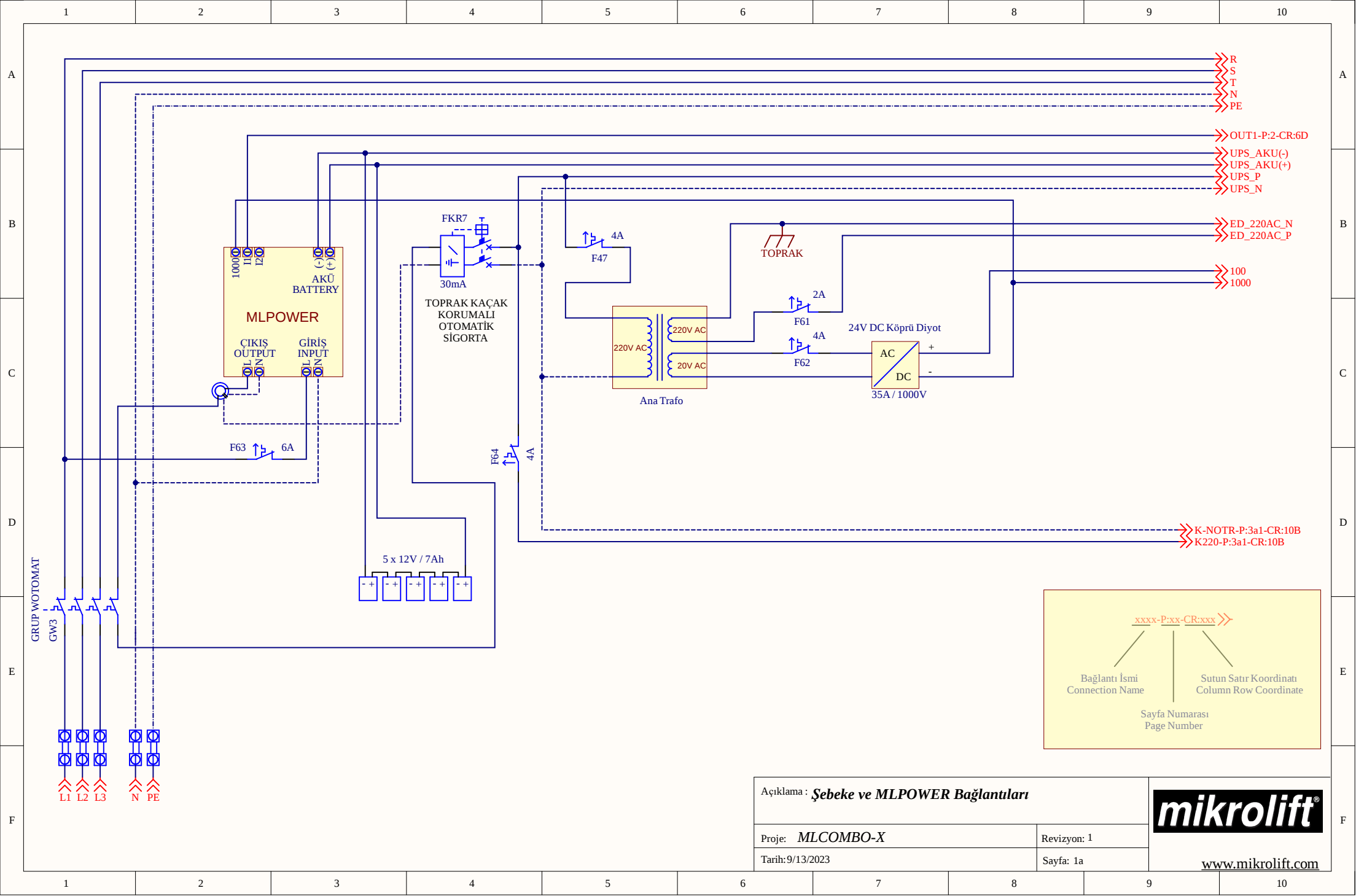
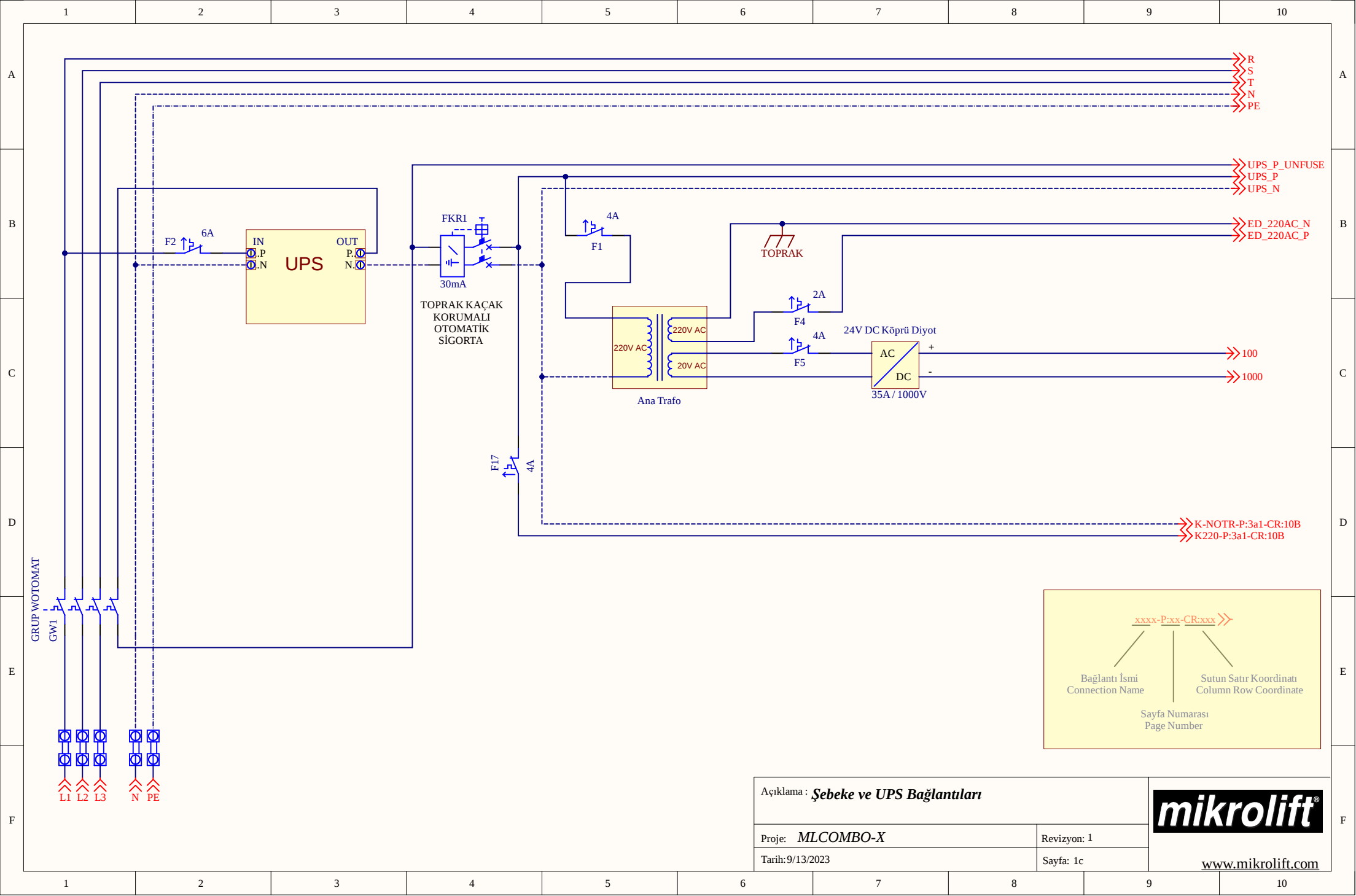


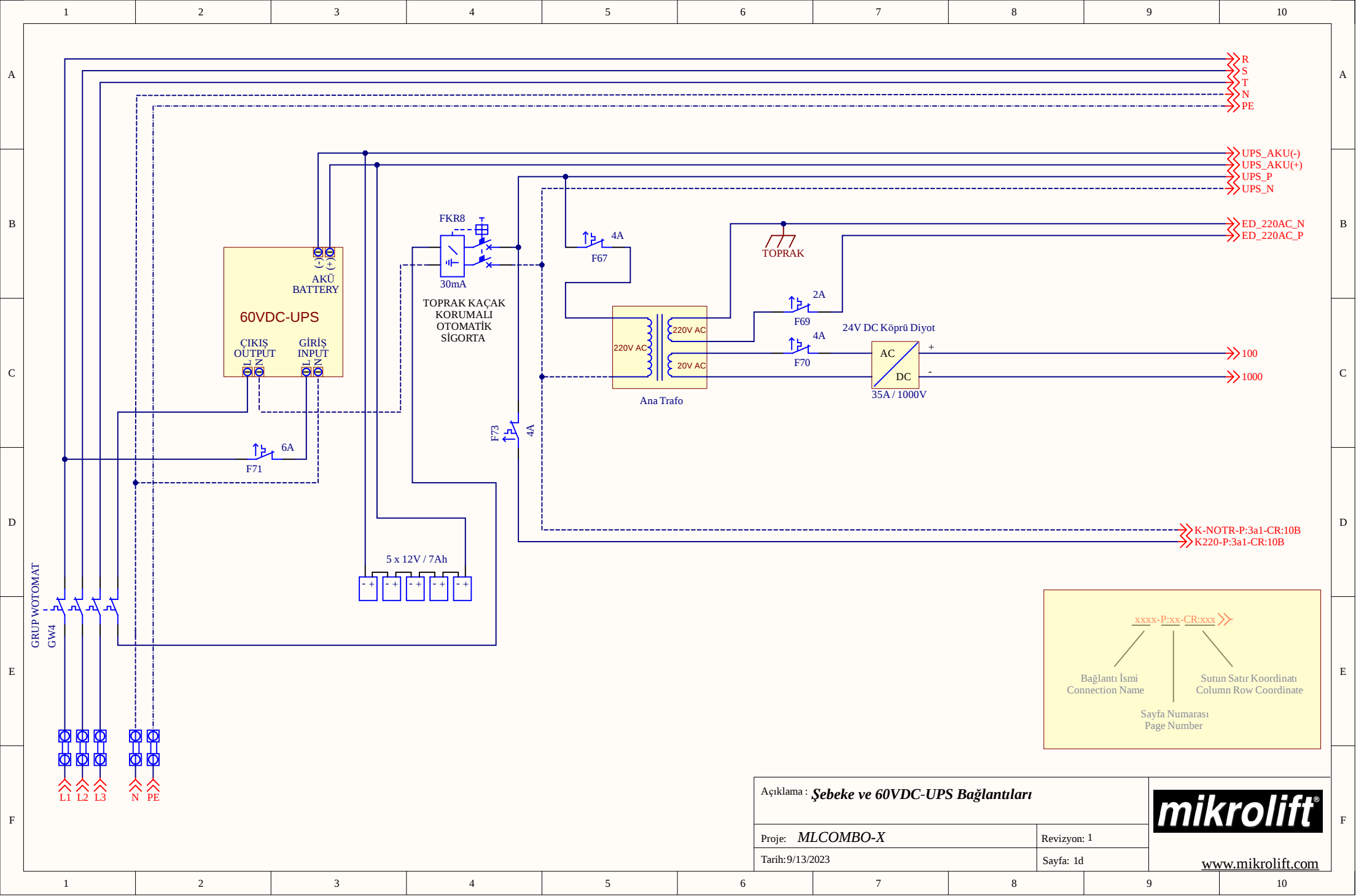
MLCOMBO-X KUMANDA PANOSU, KUYU ve KAT BAĞLANTI ŞEMALARI

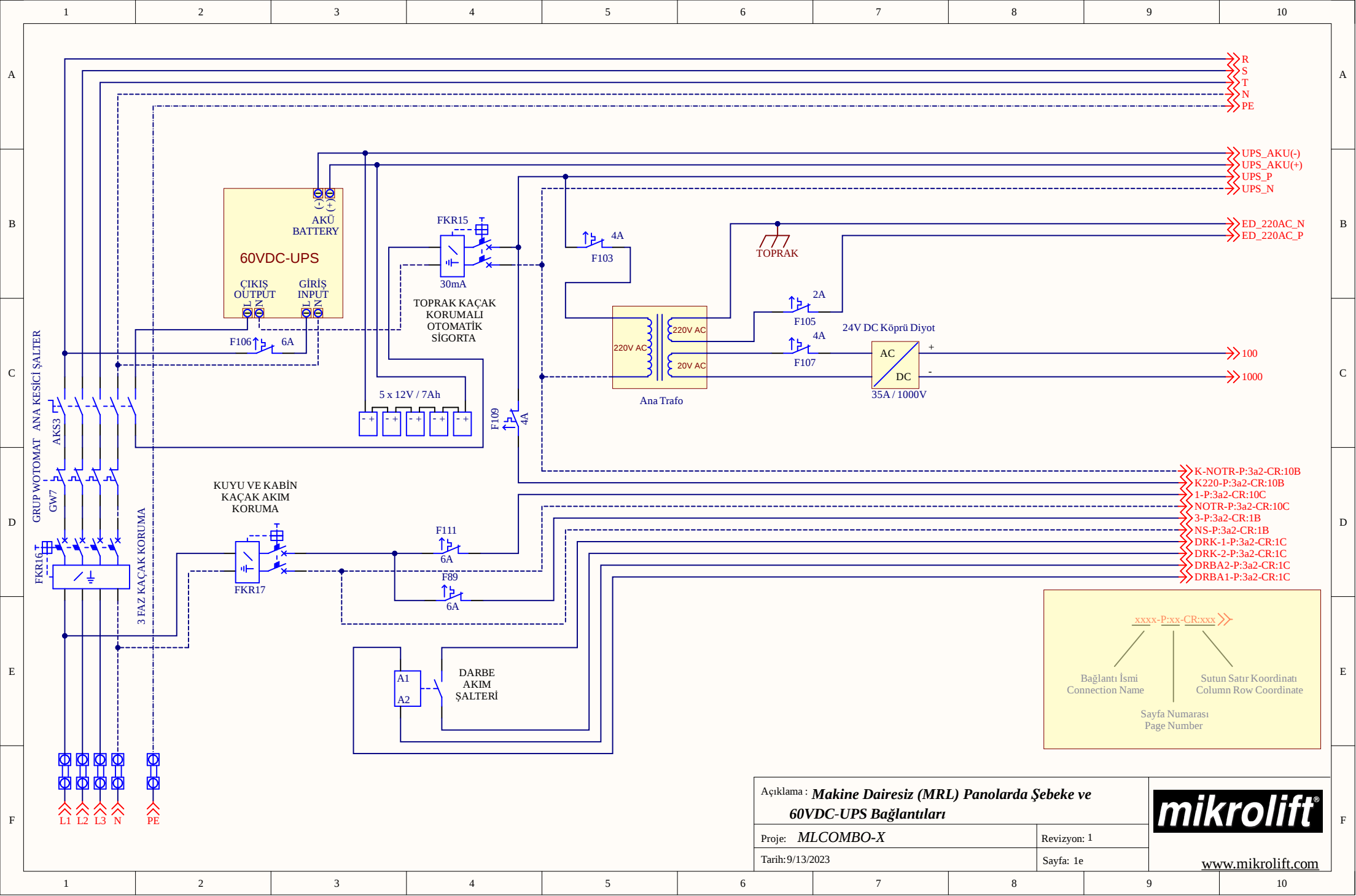
Versiyon : V1.07
Standart : EN81-20
Güncelleme Tarihi : 9/13/2023

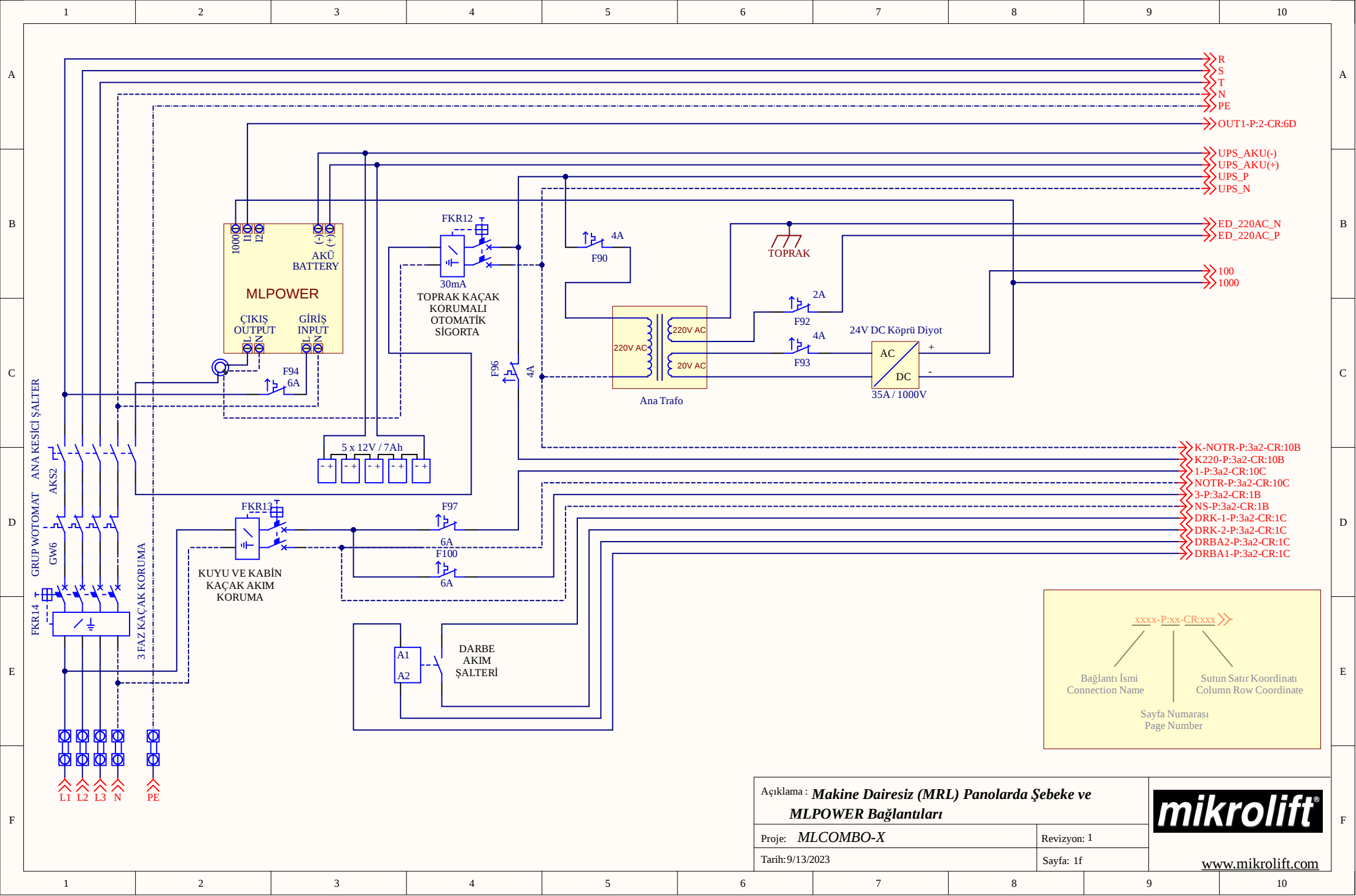
Önemli Not : Bu şemalar tavsiye niteliğindedir. Mikrolift Müh. San. ve Tic. Ltd. Şti. şemaları değiştirme hakkını kendinde saklı tutar. Şirketimiz bünyesinde görevli kişiler haricindeki kişilerin yapacakları değişikliklerden şirketimiz sorumlu tutulamaz.

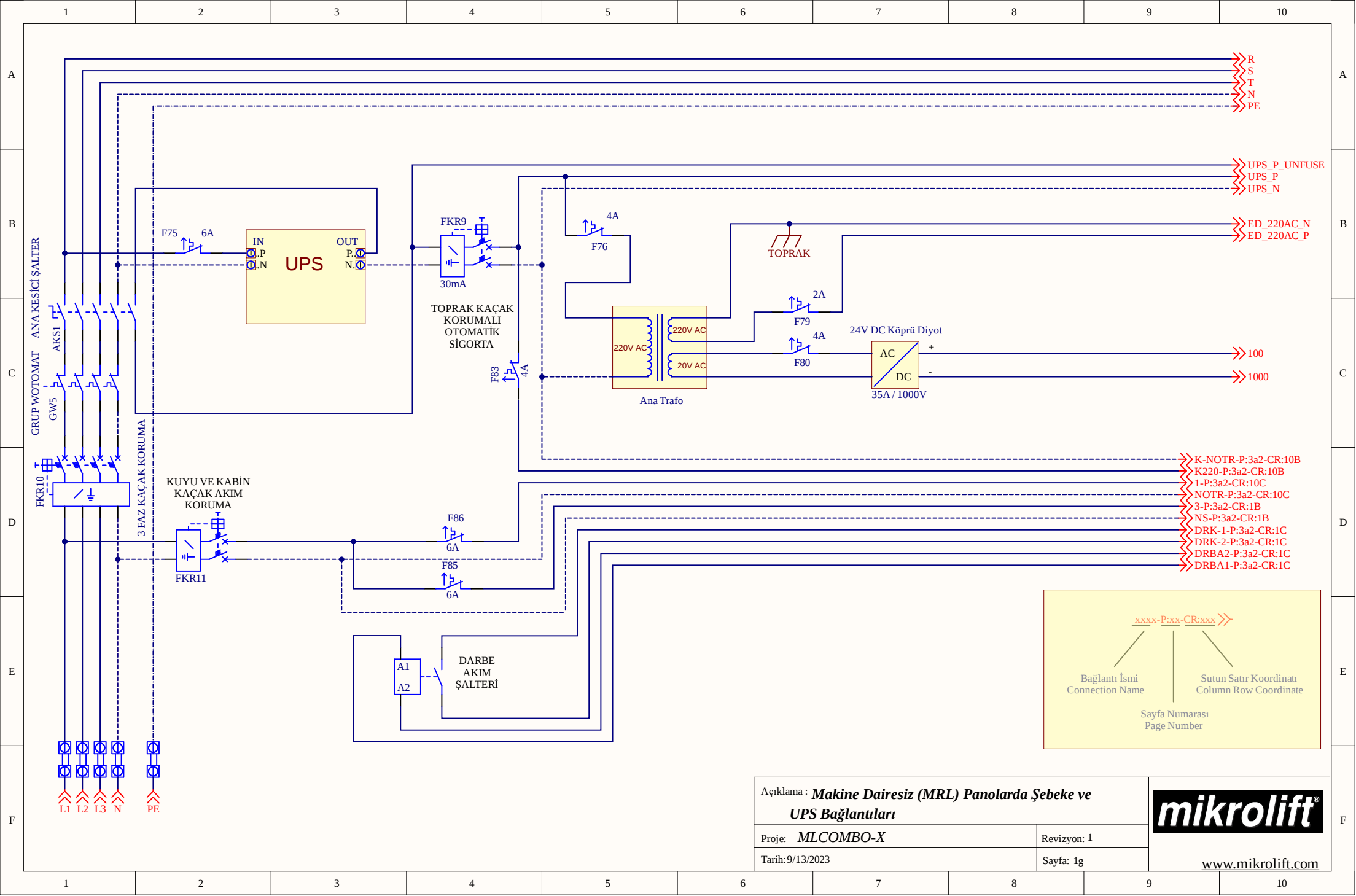












Açıklama : **Makine Dairesiz (MRL) Panolarda Şebeke ve UPS Bağlantıları**

Proje: **MLCOMBO-X**

Revizyon: 1

Tarih: 9/13/2023

Sayfa: 1g

mikrolift®

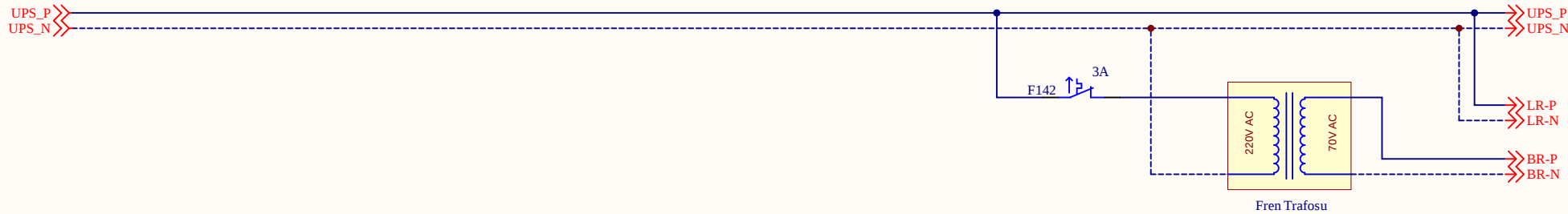
www.mikrolift.com



1 2 3 4 5 6 7 8 9 10

A

A



B

B

C

C

D

D

E

E

F

F

Açıklama : **190VDC Lirpomp ve 60VDC Fren**
Besleme Voltajı

Proje: **MLCOMBO-X**

Revizyon: 1

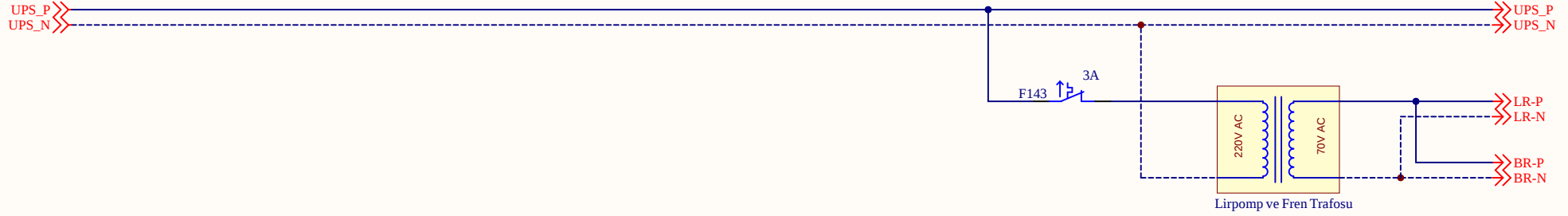
Tarih: 9/13/2023

Sayfa: 1h2

mikrolift®

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1 2 3 4 5 6 7 8 9 10



Açıklama : **60VDC Lirpomp ve 60VDC Fren**
Besleme Voltajı

Proje: **MLCOMBO-X**

Revizyon: 1

Tarih: 9/13/2023

Sayfa: 1h3

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1 2 3 4 5 6 7 8 9 10

A

A

UPS_P
UPS_N

UPS_P
UPS_N

B

B

F144
3A

LR-P
LR-N

BR-P
BR-N

C

C

Lirpomp Trafosu

Fren Trafosu

D

D

E

E

F

F

Açıklama : **48VDC Lirpomp ve 60VDC Fren**
Besleme Voltajı

Proje: **MLCOMBO-X**

Revizyon: 1

Tarih: 9/13/2023

Sayfa: 1h4

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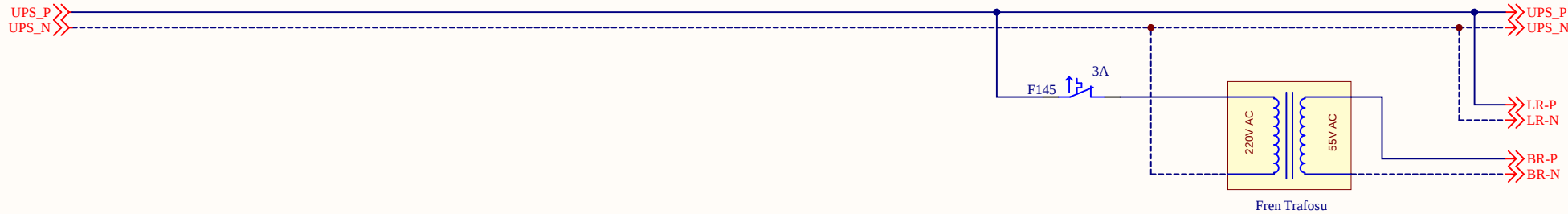
www.mikrolift.com

1 2 3 4 5 6 7 8 9 10

1 2 3 4 5 6 7 8 9 10

A

A



B

B

C

C

D

D

E

E

F

F

Açıklama : **190VDC Lirpomp ve 48VDC Fren**
Besleme Voltajı

Proje: **MLCOMBO-X**

Revizyon: 1

Tarih: 9/13/2023

Sayfa: 1h5

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1 2 3 4 5 6 7 8 9 10

1 2 3 4 5 6 7 8 9 10

A

A

UPS_P
UPS_N

UPS_P
UPS_N

B

B

F146
3A

LR-P
LR-N

BR-P
BR-N

C

C

Lirpomp Trafosu

Fren Trafosu

D

D

E

E

F

F

Açıklama : **60VDC Lirpomp ve 48VDC Fren**
Besleme Voltajı

Proje: **MLCOMBO-X**

Revizyon: 1

Tarih: 9/13/2023

Sayfa: 1h6

mikrolift®

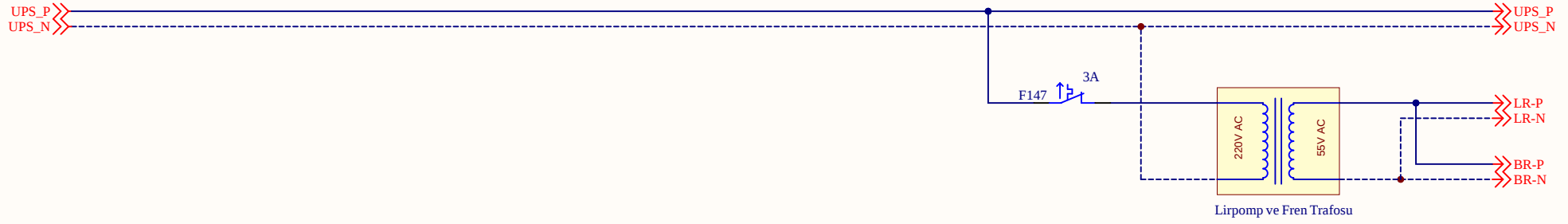
www.mikrolift.com

1 2 3 4 5 6 7 8 9 10

1 2 3 4 5 6 7 8 9 10

A

A



B

B

C

C

D

D

E

E

F

F

Açıklama : **48VDC Lirpomp ve 48VDC Fren**
Besleme Voltajı

Proje: **MLCOMBO-X**

Revizyon: 1

Tarih: 9/13/2023

Sayfa: 1h7

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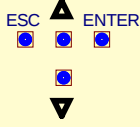
www.mikrolift.com

1 2 3 4 5 6 7 8 9 10

N-P:1-CR:10A >>

N-P:1-CR:10A
1000-P:1-CR:10B
100-P:1-CR:10B

MLCOMBO-X

MP
130F
KXO2
KXO1
OSG2
OSG1
10B140
137
135
130
120
10ARFX1
RFX2
RD1
RD2
RMB1
RMB21000
100
KRC
PGFT
OUT1

KN5

KN1

15V
GND
A
-A
B
-BKN4
KN3
KN2
CAN

16'lı Yassı Kablo

16'lı Yassı Kablo

16'lı Yassı Kablo

6 x 0,50 KABLO

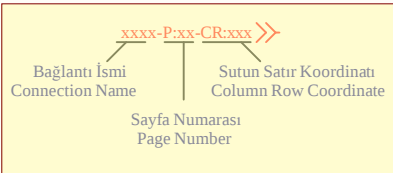
4 x 0,22 KABLO

16'lı Yassı Kablo

130F
KXO2
KXO1
OSG2
OSG1
10BRFX1
RFX2
RD1
RD2
RMB1
RMB2KRC
PGFT
OUT1

KN5

KN1

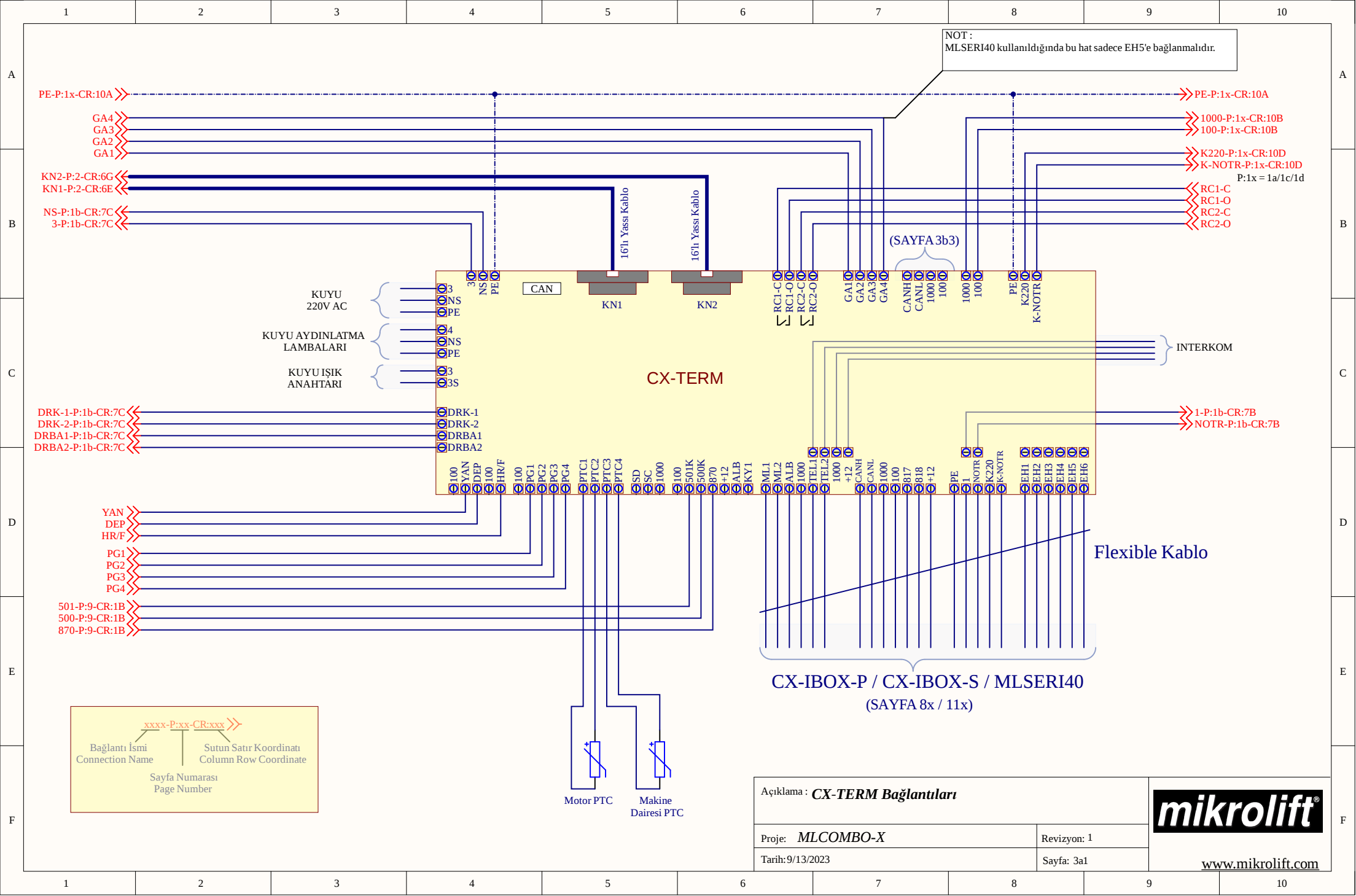
KN2
KN3
KN4Açıklama : **MLCOMBO-X Bağlantıları**Proje : **MLCOMBO-X**

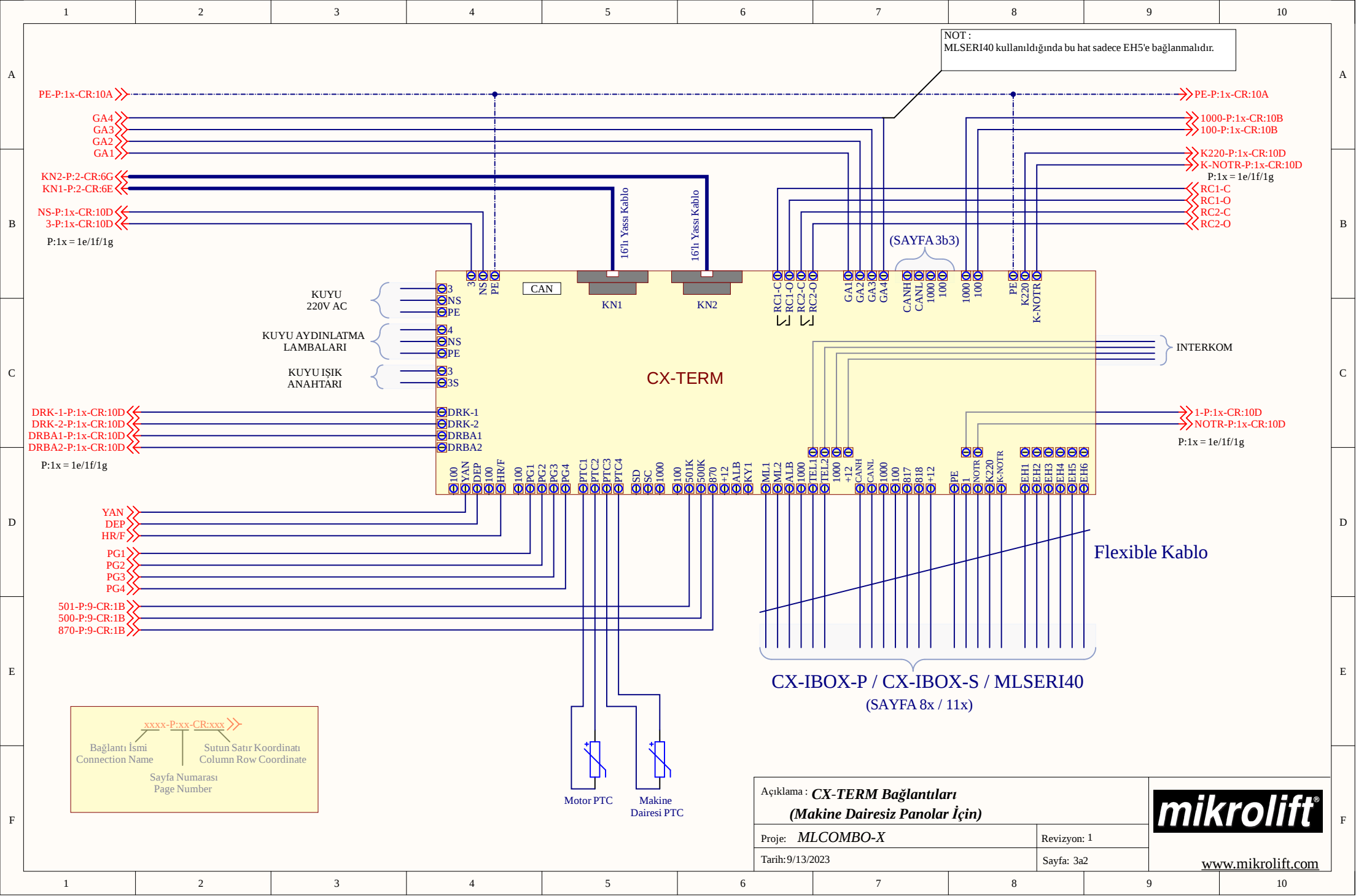
Revizyon: 1

Tarih: 9/13/2023

Sayfa: 2

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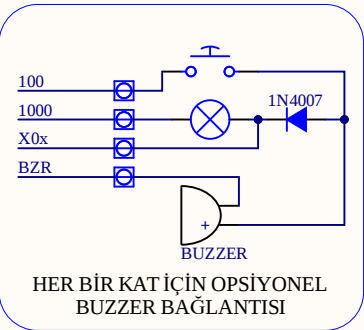
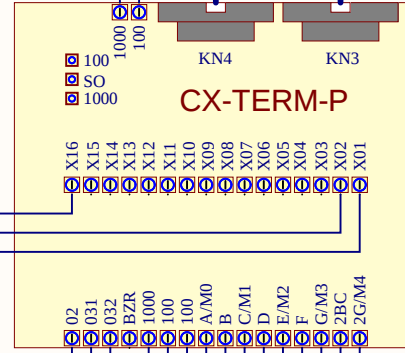


KN3-P:2-CR:6G
KN4-P:2-CR:6G
100-P:1x-CR:10B
1000-P:1x-CR:10B

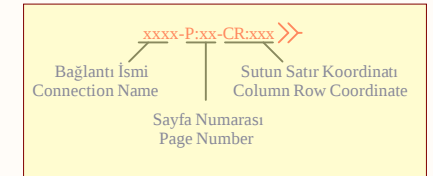
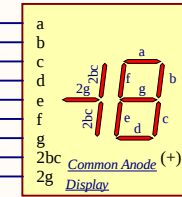
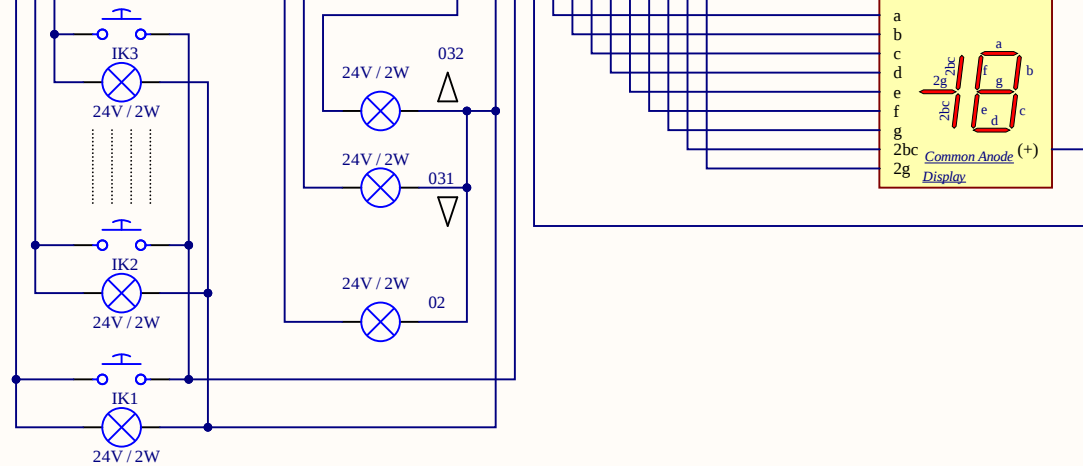
Sinyal Ortağı Seçimi

100 02, 031, 032 lamba beslemesi
Negatif.
SO
1000

100 02, 031, 032 lamba beslemesi
Pozitif.
SO
1000



IKx : KAT KUMANDA BUTONLARI VE ÇAĞRI LAMBALARI



Açıklama : **CX-TERM-P Bağlantıları**
(Paralel Tesisat İçin)

Proje: **MLCOMBO-X**

Tarih: 9/13/2023

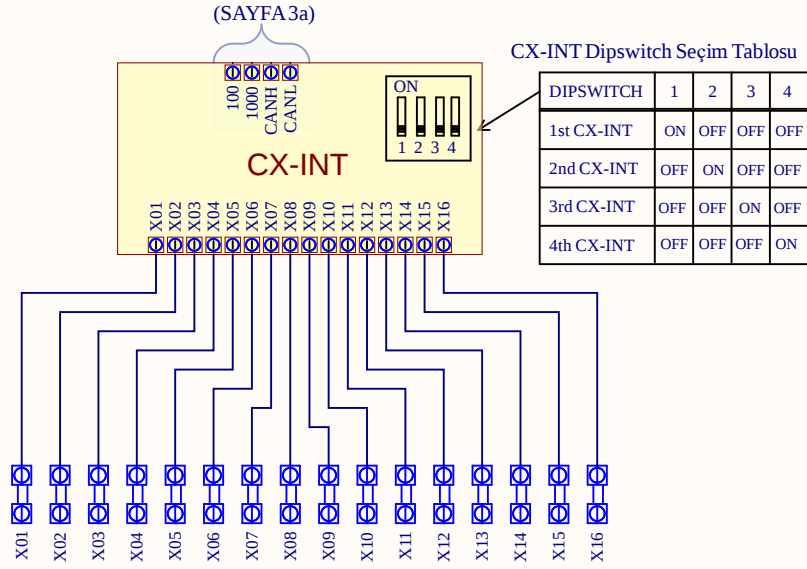
Revizyon: 1

Sayfa: 3b1

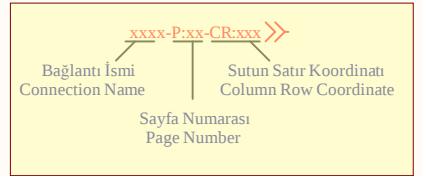
mikrolift

www.mikrolift.com

</



EK ÇAĞRI KLEMENSLERİ



Açıklama : **CX-INT Bağlantısı**

Proje: **MLCOMBO-X**

Tarih: 9/13/2023

Revizyon: 1

Sayfa: 3b3

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1

2

3

4

5

6

7

8

9

10

A

A

100-P:1x-CR:10B
1000-P:1x-CR:10B

KN5-P:2-CR:6D

4 x 0,22 KABLO

KN5

1000
100

CX-TERM-S

CAN1

SB
SA
1000

RS232

C

C

D

D

E

E

F

F

xxxx-P:xx-CR:xxx >>

Bağlantı İsmi
Connection Name

Sutun Satır Koordinatı
Column Row Coordinate

Sayfa Numarası
Page Number

Açıklama : **CX-TERM-S Bağlantısı**
(Seri Tesisat İçin)

Proje: **MLCOMBO-X**

Revizyon: 1

Tarih: 9/13/2023

Sayfa: 3c

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1

2

3

4

5

6

7

8

9

10

UPS_P-P:1x-CR:10B
UPS_N-P:1x-CR:10B

100-P:1x-CR:10B
1000-P:1x-CR:10B

UPS_P-P:1x-CR:10B
UPS_N-P:1x-CR:10B

100-P:1x-CR:10B
1000-P:1x-CR:10B

OSG1-P:2-CR:6B
OSG2-P:2-CR:6B

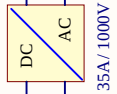
HR/F-P:3a-CR:1D

KFR1 NO1 KXO1-P:2-CR:6B

KFR1 NO2 KFR2 NO1 130-P:7-CR:xx

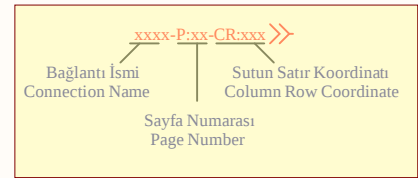
130F-P:2-CR:6B

HIZ REGÜLATÖRÜ
BOBİNİ KÖPRÜ DİYOT



Hız Regülatörü
Bobini

Hız Regülatörü
Bobini
NC Konağı



Açıklama : **Hız Regülatörü Bobin Bağlantısı**
190VDC İçin

Proje: **MLCOMBO-X**

Revizyon: 1

Tarih: 9/13/2023

Sayfa: 4a

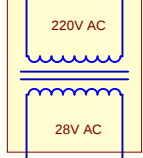
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UPS_P-P:1x-CR:10B
UPS_N-P:1x-CR:10B

100-P:1x-CR:10B
1000-P:1x-CR:10B

HIZ REGÜLATÖRÜ
BOBİNİ KÖPRÜ DİYOT



35A/1000V
DC
AC
HBR1
HBR2
Hız Regülatörü
Bobini

4A
F33

BK1
BK2
Hız Regülatörü
Bobini
NC KONTAĞI

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Açıklama : **Hız Regülatörü Bobin Bağlantısı**
24VDC İçin

Proje: **MLCOMBO-X**

Revizyon: 1

Tarih: 9/13/2023

Sayfa: 4b

1 2 3 4 5 6 7 8 9 10

A

A

UPS_N-P:1x-CR:10B >>> UPS_N-P:1x-CR:10B

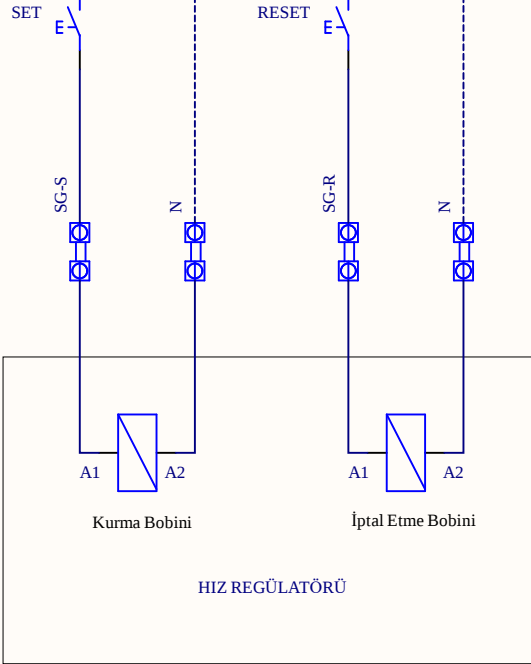
SG_P-P:6x-CR:1B >>>

B

B

C

C

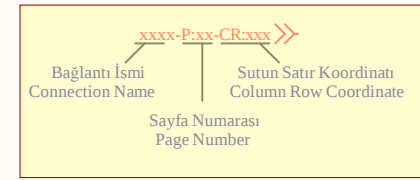


D

D

E

E



F

F

Açıklama : **Hız Regülatörü Uzaktan Kumanda Bağlantısı**
(220VAC için)

Proje: **MLCOMBO-X**

Revizyon: 1

Tarih: 9/13/2023

Sayfa: 4c

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1 2 3 4 5 6 7 8 9 10

1 2 3 4 5 6 7 8 9 10

A

A

UPS_N-P:1x-CR:10B >>> UPS_N-P:1x-CR:10B

SG_P-P:6x-CR:1B >>>

B

B

DC
AC
35A / 1000V

SET
E

RESET
E

SG-S

N

SG-R

N

A1

A2

Kuma Bobini

A1

A2

İptal Etme Bobini

HIZ REGÜLATÖRÜ

xxxx-P:xx-CR:xxx >>>
Bağlantı İsmi
Connection Name
Sutun Satır Koordinatı
Column Row Coordinate
Sayfa Numarası
Page Number

E

E

F

F

Açıklama : **Hız Regülatörü Uzaktan Kumanda Bağlantısı**
(190VDC için)

Proje: **MLCOMBO-X**

Revizyon: 1

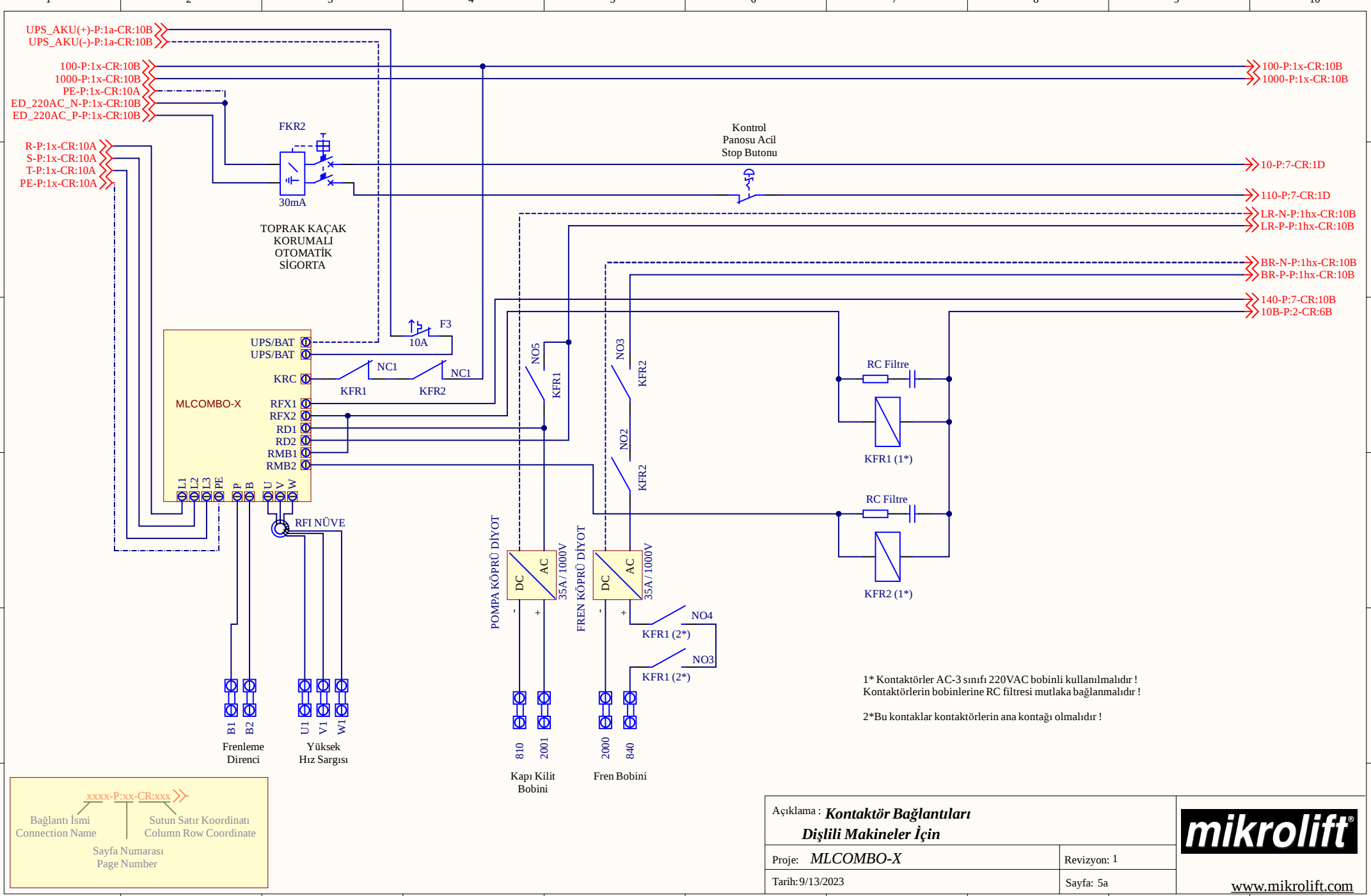
Tarih: 9/13/2023

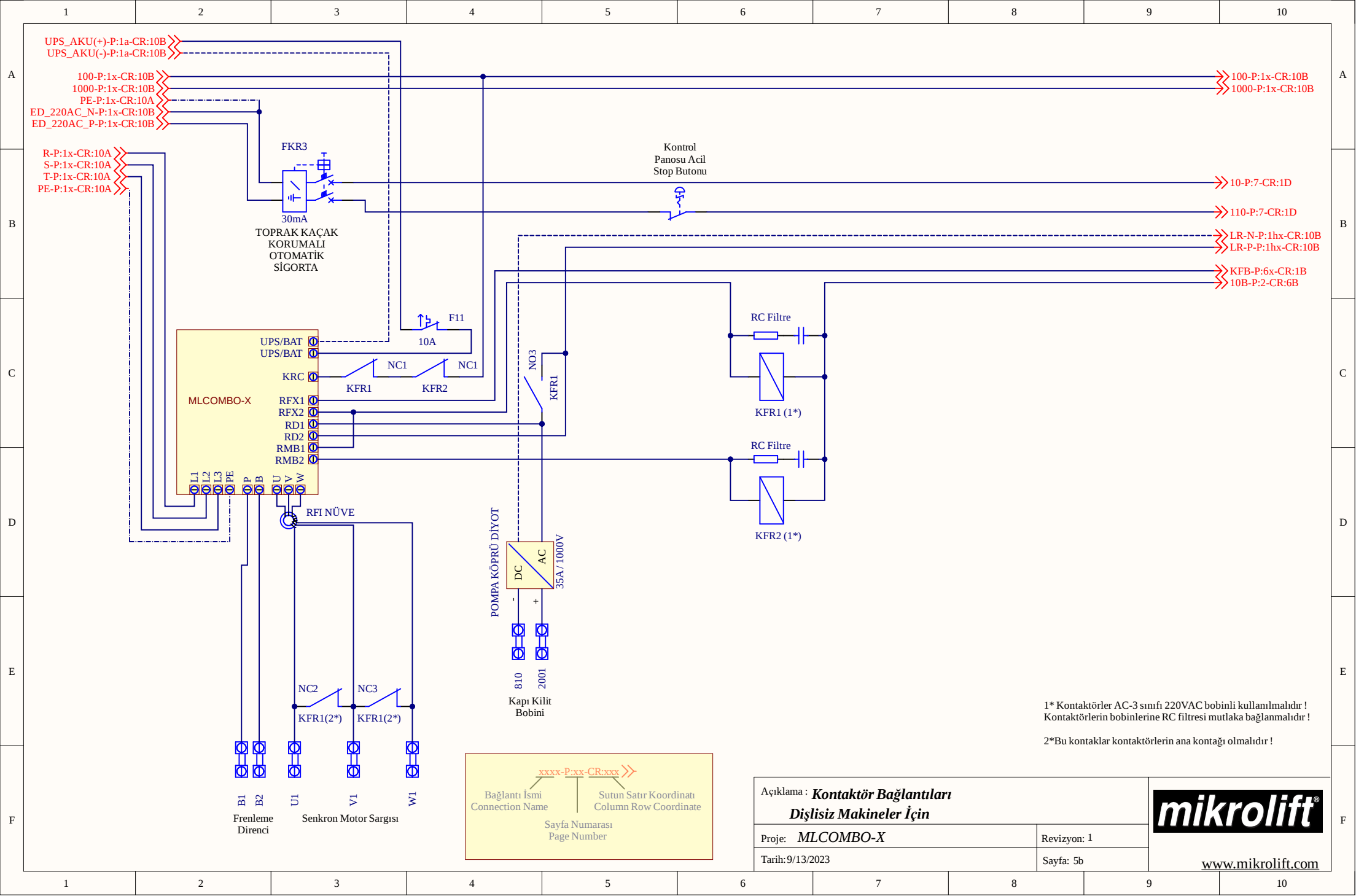
Sayfa: 4d

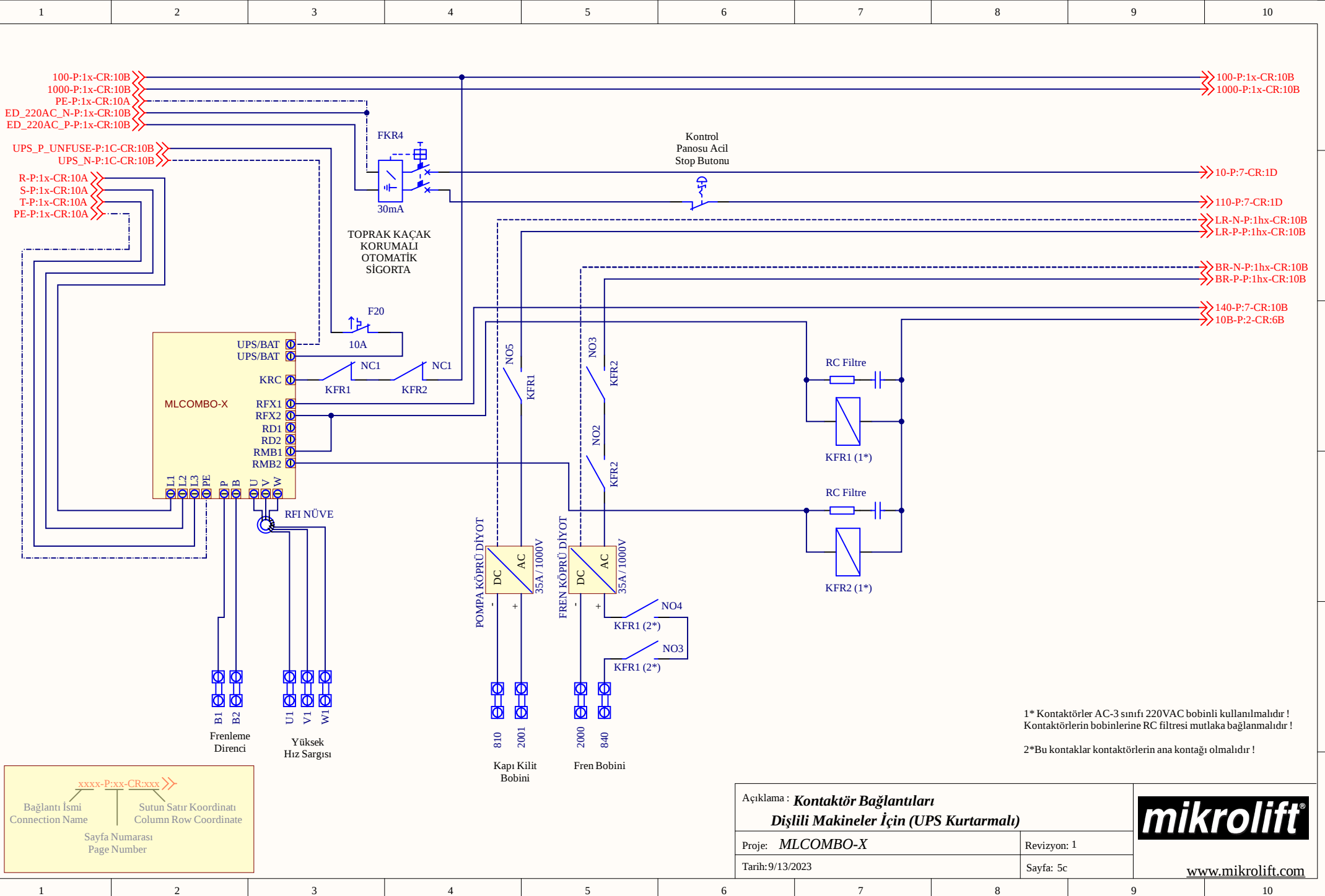
mikrolift®

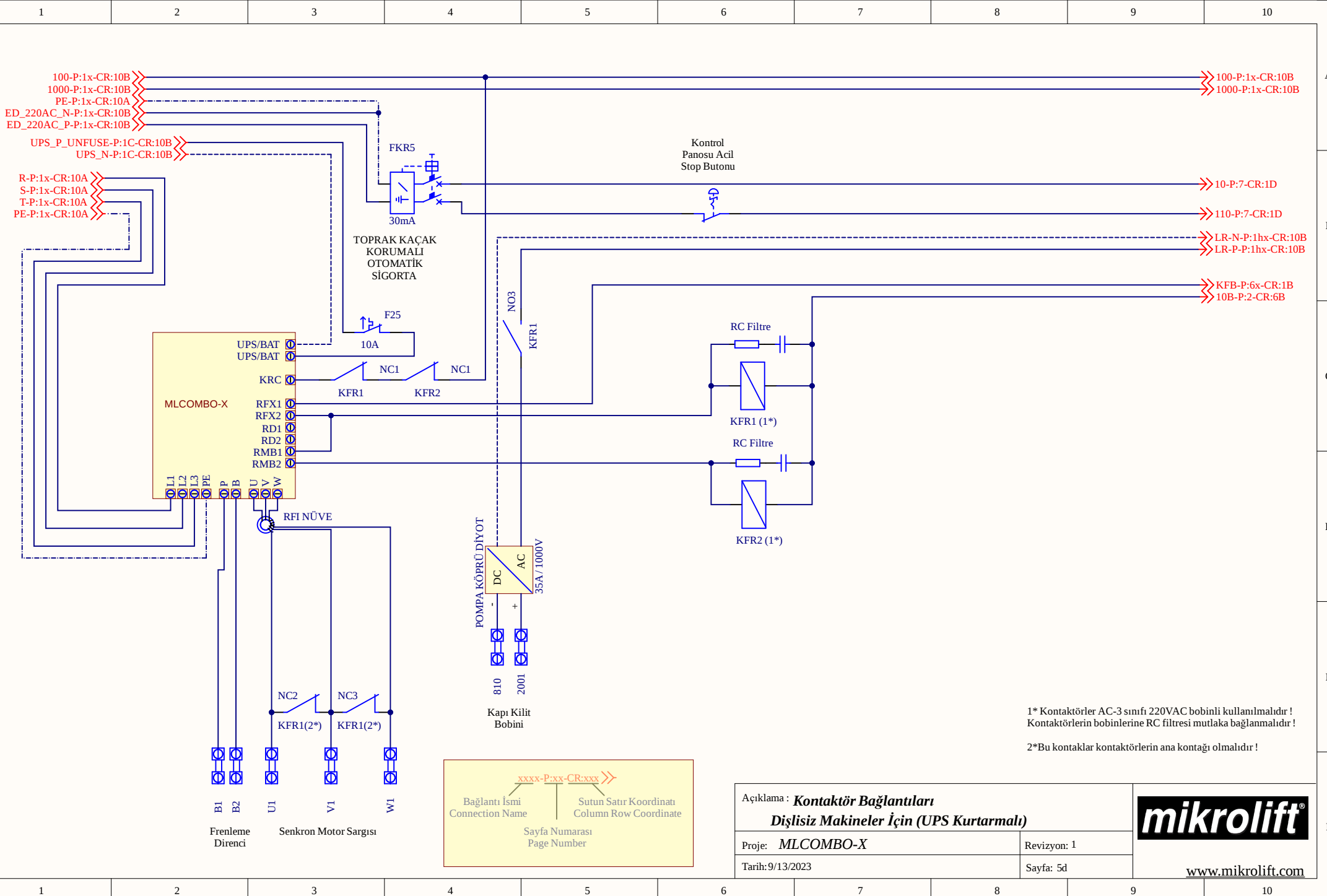
www.mikrolift.com

1 2 3 4 5 6 7 8 9 10









UPS_N-P:1x-CR:10B
UPS_P-P:1x-CR:10B
100-P:1x-CR:10B
PGFT-P:2-CR:6D
140-P:7-CR:10B
KFB-P:5x-CR:10B

SG_P-P:4x-CR:1A

ACİL KURTARMA
ANAHTARI

ÇALIŞTIRMA
BUTONU 1

ÇALIŞTIRMA
BUTONU 2

4A
F36

1. KÖPRÜ DİYOT
(Normal Çalışma)

AC
DC

35A / 1000V

2. KÖPRÜ DİYOT
(Kurtarma ve Test Çalışması)

AC
DC

35A / 1000V

CX-TERM KARTINA

840A
2000A
BOBİN

100
HRE
GERİ BESLEME
NC KONTAĞI

1. FREN

CX-TERM KARTINA

840B
2000B
BOBİN

100
PGx
GERİ BESLEME
NC KONTAĞI

2. FREN

Açıklama : **Dişlisiz Makineler İçin 190VDC Fren Bağlantısı**

Proje: **MLCOMBO-X**

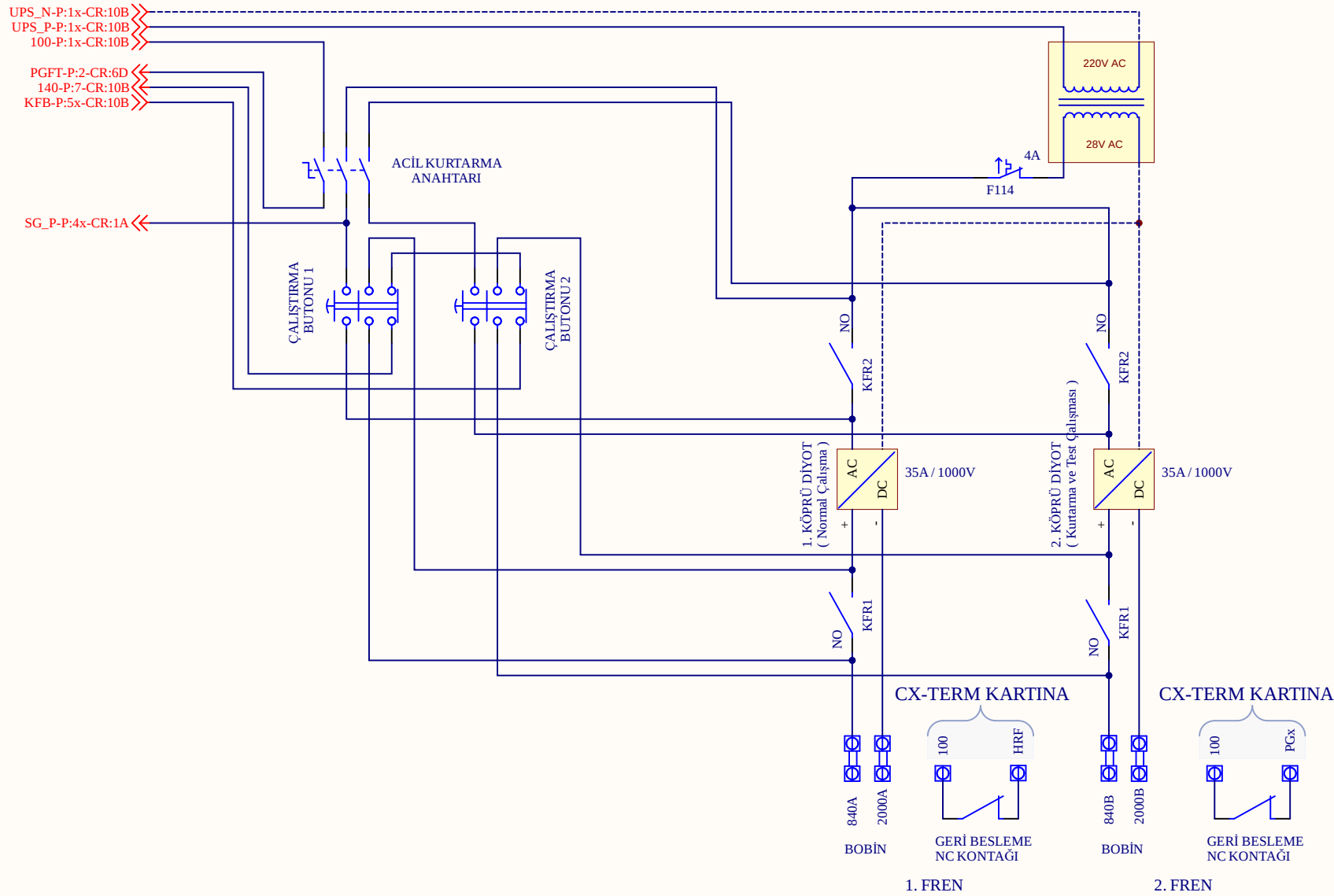
Revizyon: 1

Tarih: 9/13/2023

Sayfa: 6a

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Açıklama : **Dişlisiz Makineler İçin 24VDC Fren Bağlantısı**

Proje: **MLCOMBO-X**

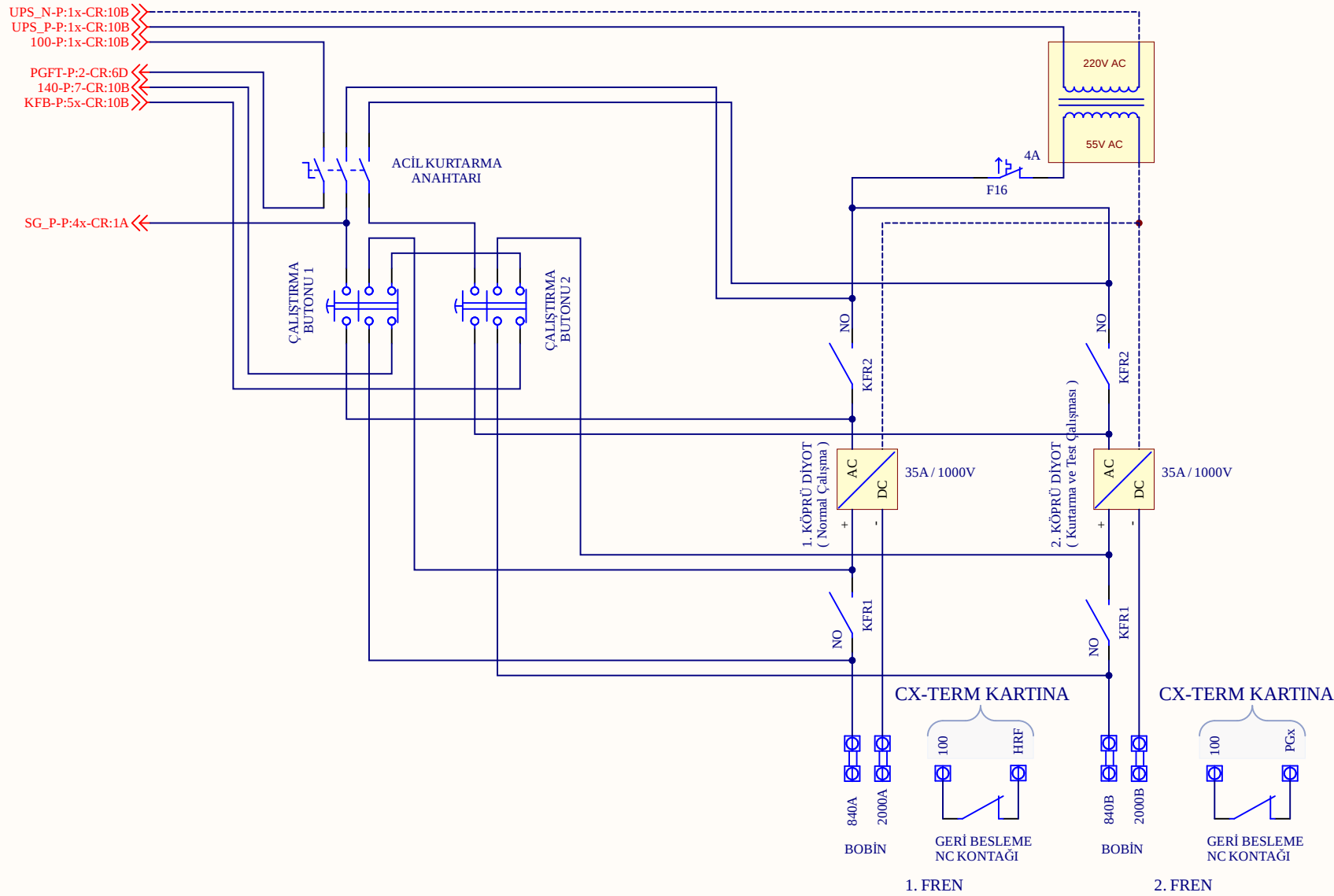
Revizyon: 1

Tarih: 9/13/2023

Sayfa: 6b

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Açıklama : ***Dişlisiz Makineler İçin 48VDC Fren Bağlantısı***

Proje: ***MLCOMBO-X***

Revizyon: 1

Tarih: 9/13/2023

Sayfa: 6c

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UPS_N-P:1x-CR:10B
UPS_P-P:1x-CR:10B
100-P:1x-CR:10B

PGFT-P:2-CR:6D
140-P:7-CR:10B
KFB-P:5x-CR:10B

SG_P-P:4x-CR:1A

ACİL KURTARMA
ANAHTARI

ÇALIŞTIRMA
BUTONU 1

ÇALIŞTIRMA
BUTONU 2

1. KÖPRÜ DİYOT
(Normal Çalışma)



35A / 1000V

2. KÖPRÜ DİYOT
(Kıtarma ve Test Çalışması)

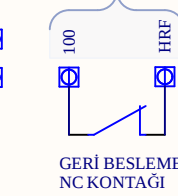


35A / 1000V

CX-TERM KARTINA



BOBİN

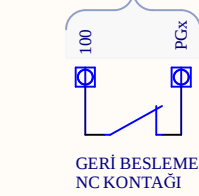


1. FREN

CX-TERM KARTINA



BOBİN



2. FREN

Açıklama : **Gearless 60VDC Brake Connection**

Proje: **MLCOMBO-X**

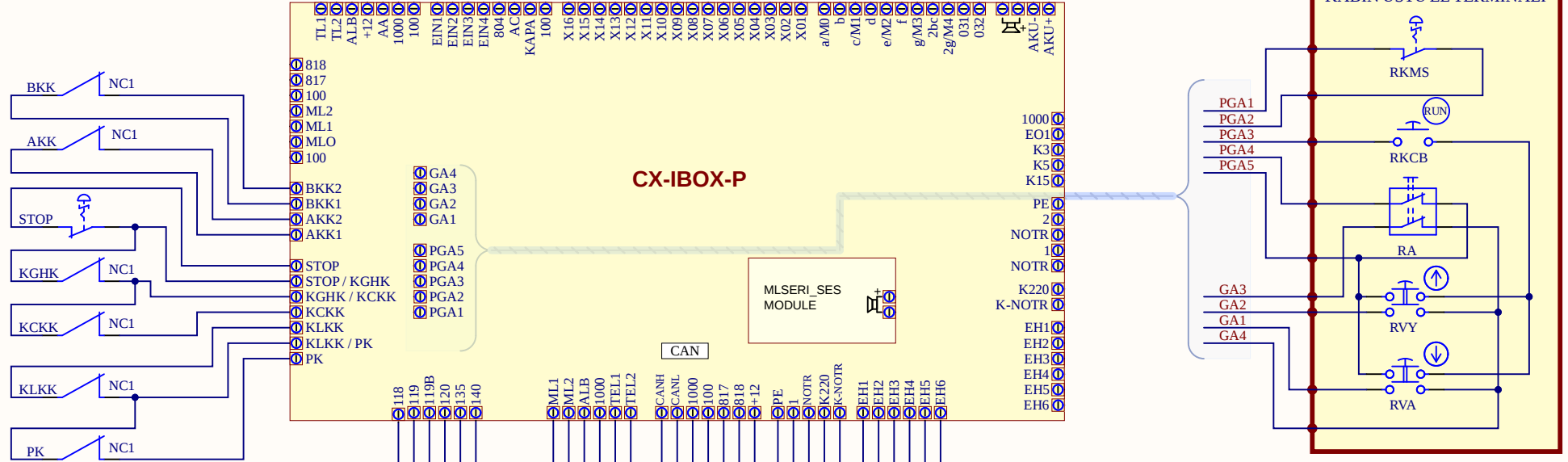
Revizyon: 1

Tarih: 9/13/2023

Sayfa: 6d

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- KLKK : KABİN LİMİT KESİCİ KONTAĞI
 KCKK : KABİN ÇATI KAPAĞI KONTAĞI
 KGHK : KABİN GEVŞEK HALAT KONTAĞI
 PK : KABİN PARAŞÜT FREN KONTAĞI
 STOP : KABİN İÇİ ACİL STOP BUTONU
 AKK : KABİN A KAPISI KONTAĞI
 BKK : KABİN B KAPISI KONTAĞI
 RKMS : KABİN ÜSTÜ ACİL STOP BUTONU
 RA : KABİN ÜSTÜ REVİZYON ANAHTARI
 RVY : KABİN ÜSTÜ REVİZYON YUKARI BUTONU
 RVA : KABİN ÜSTÜ REVİZYON AŞAĞI BUTONU
 RKCB : KABİN ÜSTÜ REVİZYON ÇALIŞTIRMA BUTONU

Açıklama : **Güvenlik Devresi Bağlantıları -2- (Paralel Tesisat İçin)**

Proje: **MLCOMBO-X**

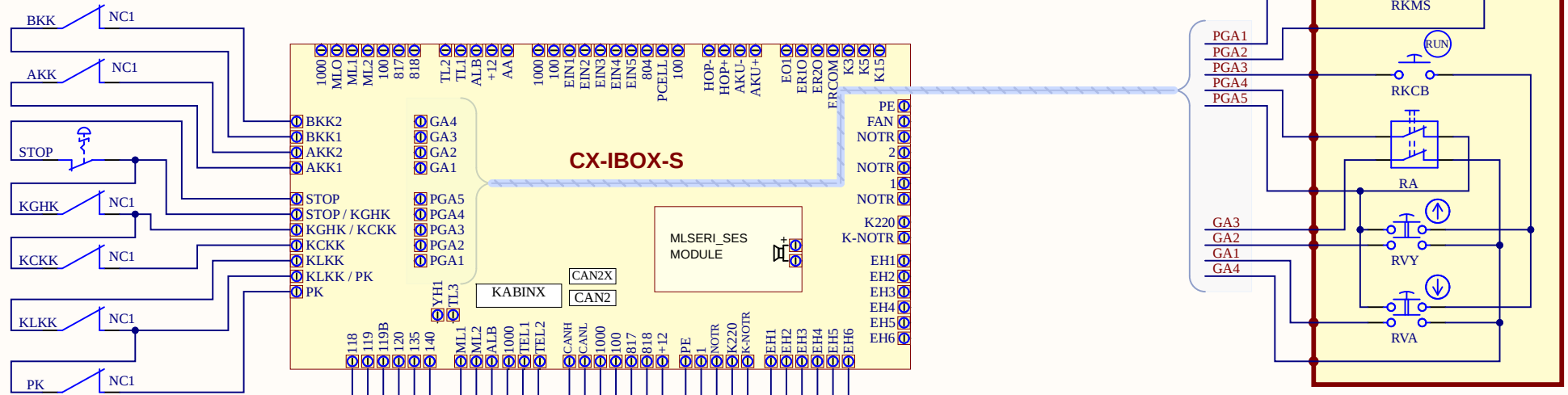
Tarih: 9/13/2023

Revizyon: 1

Sayfa: 8a

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CX-TERM-SC KARTINA
(SAYFA 7)

CX-TERM KARTINA
(SAYFA 3a)

- KLKK : KABİN LİMİT KESİCİ KONTAĞI
- KCKK : KABİN ÇATI KAPAĞI KONTAĞI
- KGHK : KABİN GEVŞEK HALAT KONTAĞI
- PK : KABİN PARAŞÜT FREN KONTAĞI
- STOP : KABİN İÇİ ACİL STOP BUTONU
- AKK : KABİN A KAPISI KONTAĞI
- BKK : KABİN B KAPISI KONTAĞI
- RKMS : KABİN ÜSTÜ ACİL STOP BUTONU
- RA : KABİN ÜSTÜ REVİZYON ANAHTARI
- RVY : KABİN ÜSTÜ REVİZYON YUKARI BUTONU
- RVA : KABİN ÜSTÜ REVİZYON AŞAĞI BUTONU
- RKCB : KABİN ÜSTÜ REVİZYON ÇALIŞTIRMA BUTONU

Açıklama : **Güvenlik Devresi Bağlantıları -2-**
(Seri Tesiat İçin)

Proje: **MLCOMBO-X**

Revizyon: 1

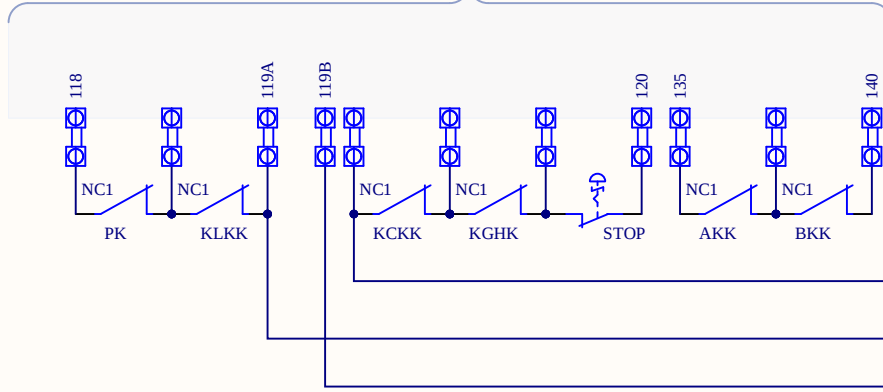
Tarih: 9/13/2023

Sayfa: 8b

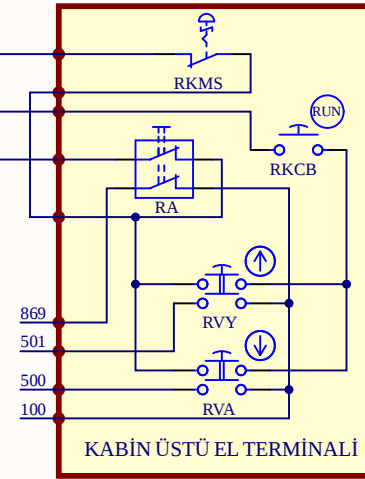
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CX-TERM-SC KARTINA (SAYFA 7)



- KLKK : KABİN LİMİT KESİCİ KONTAĞI
 KCKK : KABİN ÇATI KAPAĞI KONTAĞI
 KGHK : KABİN GEVŞEK HALAT KONTAĞI
 PK : KABİN PARAŞÜT FREN KONTAĞI
 STOP : KABİN İÇİ ACİL STOP BUTONU
 AKK : KABİN A KAPISI KONTAĞI
 BKK : KABİN B KAPISI KONTAĞI
 RKMS : KABİN ÜSTÜ ACİL STOP BUTONU
 RA : KABİN ÜSTÜ REVİZYON ANAHTARI
 RVY : KABİN ÜSTÜ REVİZYON YUKARI BUTONU
 RVA : KABİN ÜSTÜ REVİZYON AŞAĞI BUTONU
 RKCB : KABİN ÜSTÜ REVİZYON ÇALIŞTIRMA BUTONU



NOT: EĞER GÜVENLİK DEVRESİNDE KULLANILMAYAN BİR KONTAK VARSA, BU KONTAK KÖPRÜLENMELİDİR.

Açıklama : **Güvenlik Devresi Bağlantıları -2-**
(Paralel Tesisat İçin - MLSERI40)

Proje: **MLCOMBO-X**

Revizyon: 1

Tarih: 9/13/2023

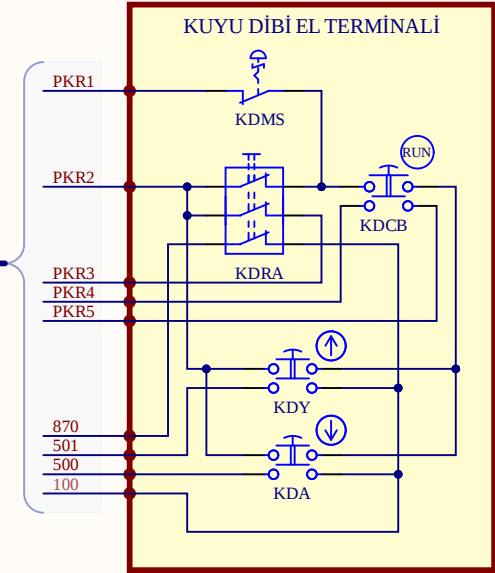
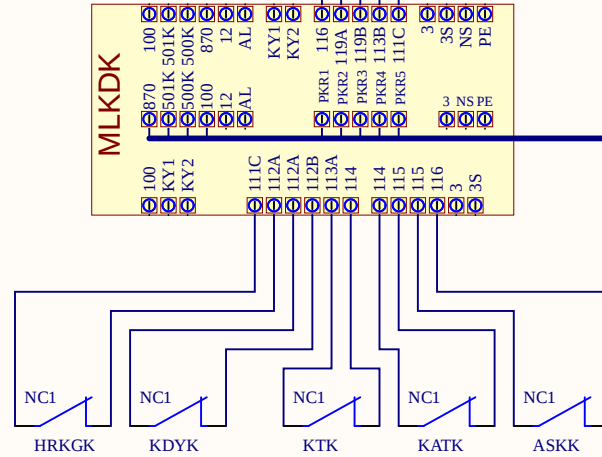
Standard : EN81-20

Sayfa: 8c

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111C-P:7-CR:1E
113B-P:7-CR:1E
119B-P:7-CR:1E
119A-P:7-CR:1E
116-P:7-CR:1E



HRKGK : HIZ REGÜLATÖRÜ KASNAK GERGİ KONTAĞI
KDYK : KUYU DİBİ YARDIMCI KONTAĞI
KTK : KABİN TAMPONU KONTAĞI
KATK : KARŞI AĞIRLIK TAMPONU KONTAĞI
ASKK : ALT SON KESİCİ KONTAĞI
KDMS : KUYU DİBİ ACİL STOP BUTONU
KDRA : KUYU DİBİ REVİZYON ANAHTARI
KDY : KUYU DİBİ YUKARI BUTONU
KDA : KUYU DİBİ AŞAĞI BUTONU
KDCB : KUYU DİBİ ÇALIŞTIRMA BUTONU

Açıklama : **Güvenlik Devresi Bağlantıları -3 -**

Proje: **MLCOMBO-X**

Revizyon: 1

Tarih: 9/13/2023

Sayfa: 9

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FİŞ-KONTAK ve KİLİT BAĞLANTILARI

TAM OTOMATİK

YALNIZ KABİN KAPISI OTOMATİK

KONTROL PANOSU

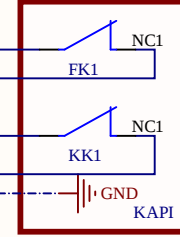
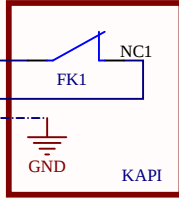
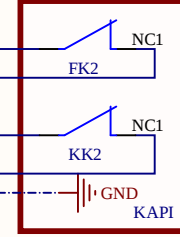
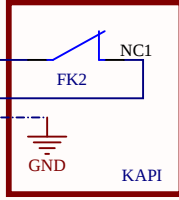
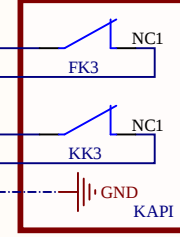
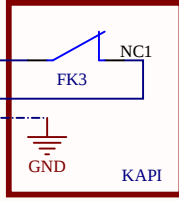
2. KAT

1. KAT

ZEMİN KAT

135-P:7-CR:10C
130-P:7-CR:10C
120-P:7-CR:10C
PE-P:7-CR:10C

135-P:7-CR:10C
130-P:7-CR:10C
120-P:7-CR:10C
PE-P:7-CR:10C



FKx : KAPI FİŞ KONTAKLARI
KKx : KAPI KİLİT KONTAKLARI

Açıklama : **Güvenlik Devresi Bağlantıları - 4 -**

Proje: **MLCOMBO-X**

Revizyon: 1

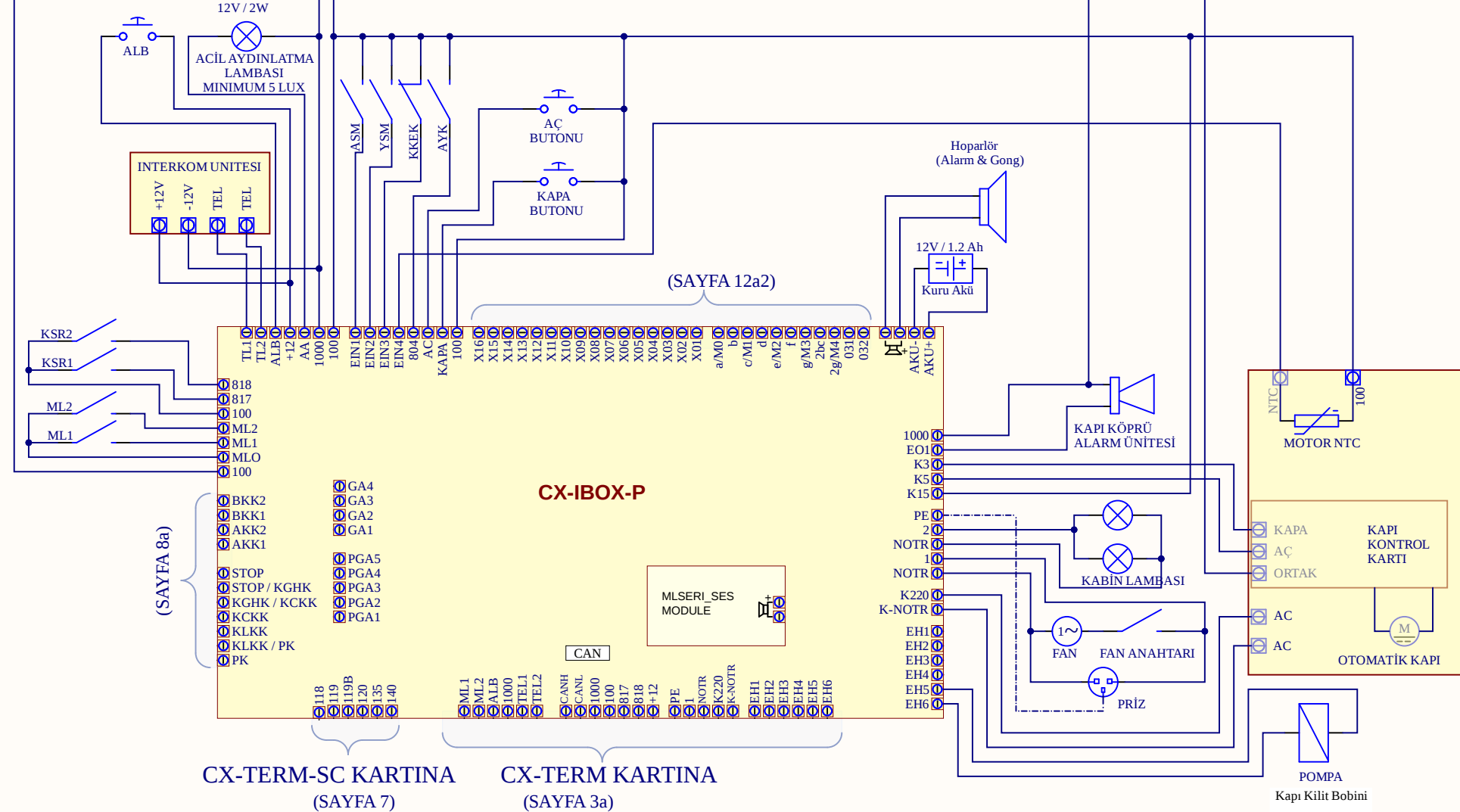
Tarih: 9/13/2023

Sayfa: 10

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1000-P:1x-CR:10B
100-P:1x-CR:10B



YSM : YUKARI SEVİYELEME MONO-STABİL ŞALTER
ASM : AŞAĞI SEVİYELEME MONO-STABİL ŞALTER
AYK : AŞIRI YÜK KONTAĞI
KKEK : KAPI KİLİT EKSTRA KONTAK
ALB : ALARM BUTONU

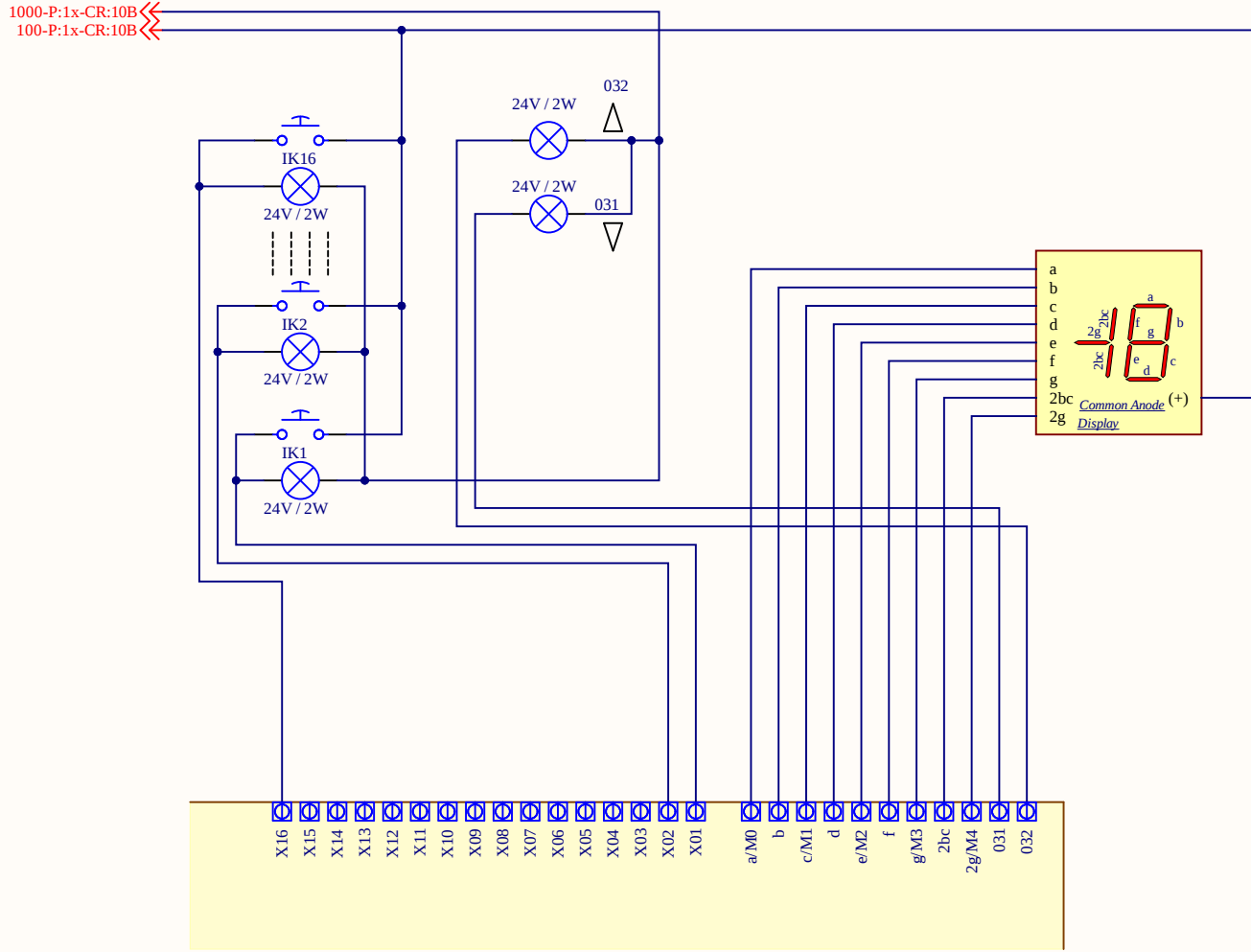
KSR1 : ALT KESİCİ Bİ-STABİL ŞALTER
KSR2 : ÜST KESİCİ Bİ-STABİL ŞALTER
ML1 : KAPI AÇMA BÖLGESİ MONO-STABİL ŞALTER
ML2 : KAPI AÇMA BÖLGESİ MONO-STABİL ŞALTER

Açıklama : **Kabin Bağlantıları -1-**
(Paralel Tesisat İçin)

Proje: MLCOMBO-X	Revizyon: 1
Tarih: 9/13/2023	Sayfa: 12a1



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SAYFA 12a1

Açıklama : **Kabin Bağlantıları -2-**
(Paralel Tesisat İçin)

Proje: **MLCOMBO-X**

Tarih: 9/13/2023

Revizyon: 1

Sayfa: 12a2

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100-P:1x-CR:10B
1000-P:1x-CR:10B

12V / 2W

ACİL AYDINLATMA
LAMBASI
MINIMUM 5 LUX

INTERKOM UNİTESİ
TEL
TEL
-12V
+12V

ALB

KSR2

KSR1

ML2

ML1

KKEK
ASM
YSM
TYK
AYK
FSLA

Hoparlör
(Alarm & Gong)

12V / 1.2 Ah
Kuru Akü

KAPI KÖPRÜ
ALARM UNİTESİ

NTC
MOTOR NTC

KAPA
AÇ
ORTAK

AC
AC

KAPI KONTROL
KARTI
OTOMATİK KAPI

CX-IBOX-S

MLSERI_SES
MODULE

KABINX

CAN2X
CAN2

KABINX-P:15-CR:2D
12 KABLO

CX-TERM-SC KARTINA
(SAYFA 7)

CX-TERM KARTINA
(SAYFA 3a)

YSM : YUKARI SEVİYELEME MONO-STABİL ŞALTER
ASM : AŞAĞI SEVİYELEME MONO-STABİL ŞALTER
TYK : TAM YÜK KONTAĞI
AYK : AŞIRI YÜK KONTAĞI
FSLA : FOTOSEL KONTAĞI

KKEK : KAPI KİLİT EKSTRA KONTAK
ALB : ALARM BUTONU
KSR1 : ALT KESİCİ Bİ-STABİL ŞALTER
KSR2 : ÜST KESİCİ Bİ-STABİL ŞALTER
ML1 : KAPI AÇMA BÖLGESİ MONO-STABİL ŞALTER
ML2 : KAPI AÇMA BÖLGESİ MONO-STABİL ŞALTER

Açıklama : **Kabin Bağlantıları**
(Seri Tesisat İçin)

Proje: **MLCOMBO-X**

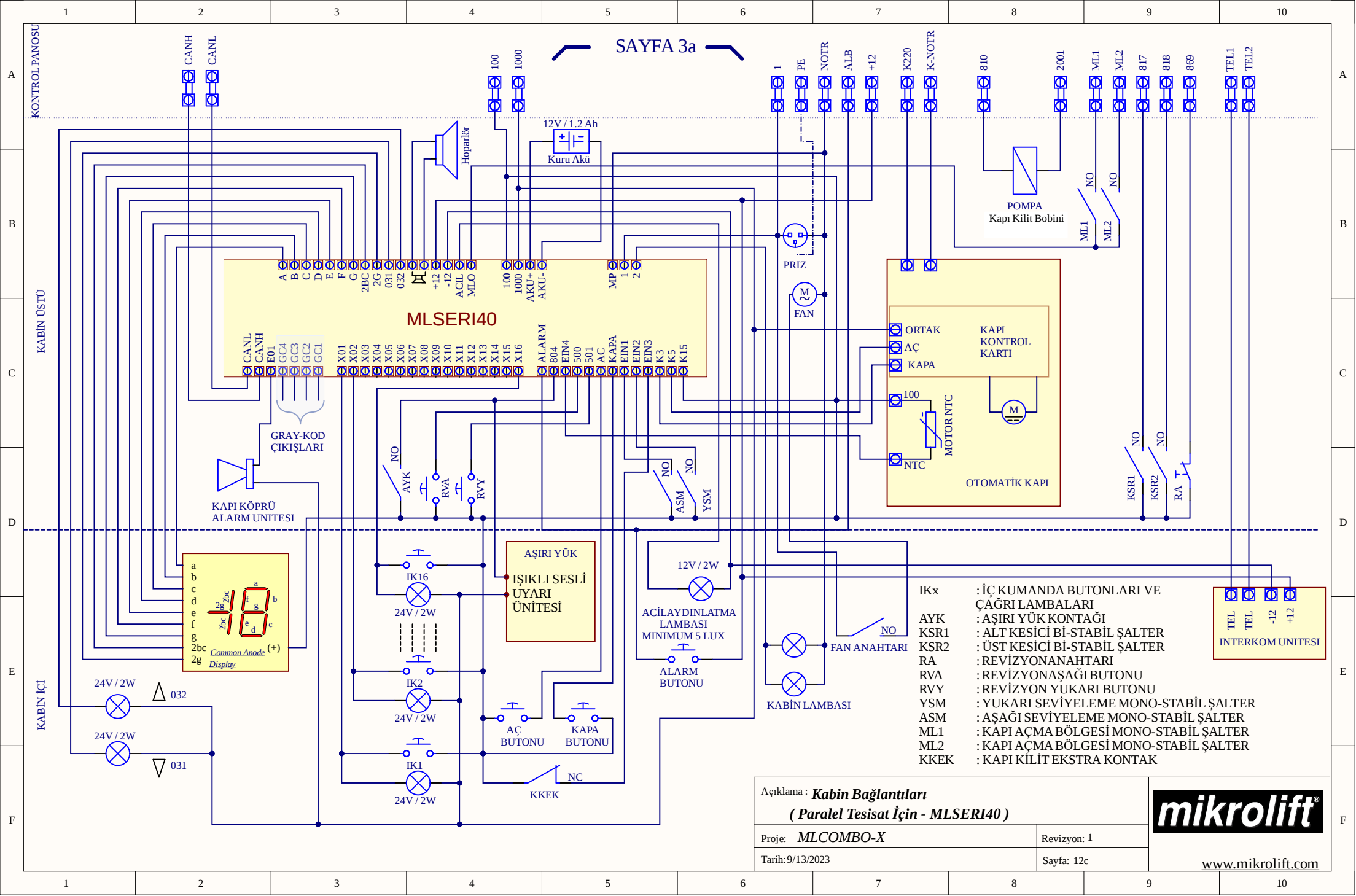
Tarih: 9/13/2023

Revizyon: 1

Sayfa: 12b

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CX-TERM

CX-TERM-SC

CX-IBOX-P/S

Flexible Kablo

NOT :
MLSERI40 kullanıldığında 869 hattı
EH5'e bağlanmalıdır.

EH1 : EKSTRA HAT VEYA 810
EH2 : EKSTRA HAT VEYA 2001
EH3 : EKSTRA HAT
EH4 : EKSTRA HAT
EH5 : EKSTRA HAT
EH6 : EKSTRA HAT VEYA 137

Açıklama : **Flexible Kablo Bağlantıları**

Proje: **MLCOMBO-X**

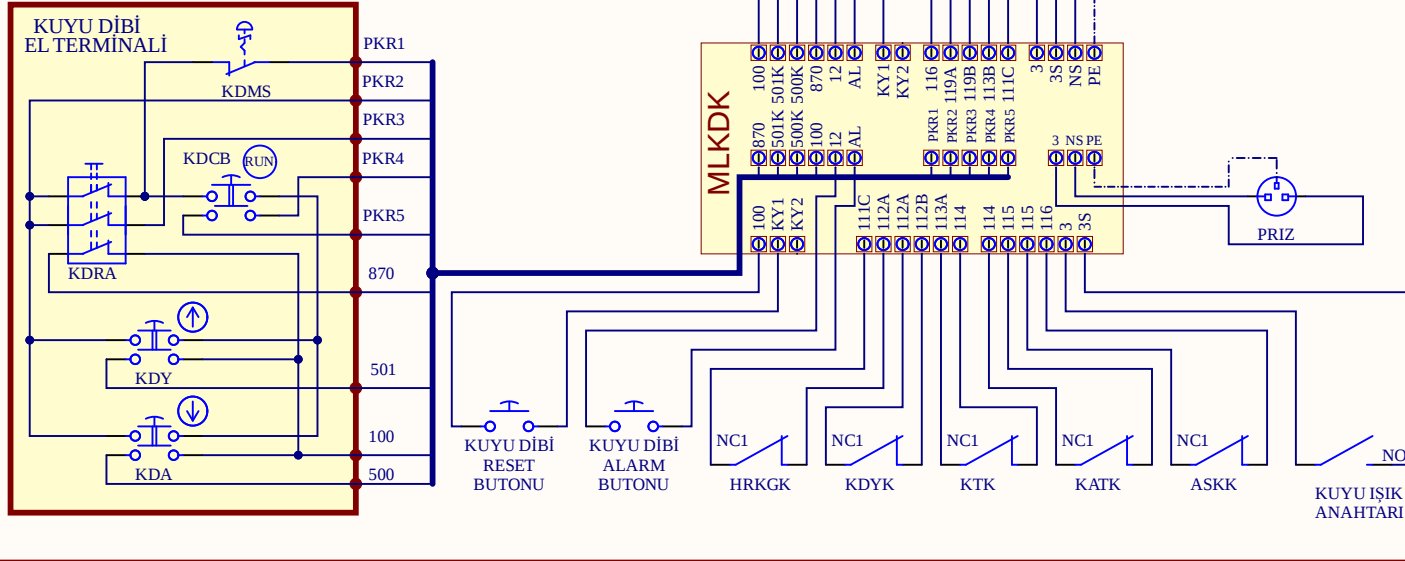
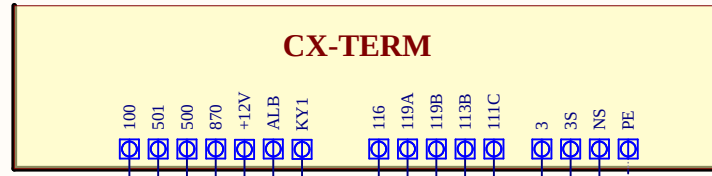
Revizyon: 1

Tarih: 9/13/2023

Sayfa: 13

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KDMS : KUYU DİBİ ACİL STOP BUTONU
 KDCB : KUYU DİBİ ÇALIŞTIRMA BUTONU
 KDRA : KUYU DİBİ REVİZYON ANAHTARI
 KDY : KUYU DİBİ YUKARI BUTONU
 KDA : KUYU DİBİ AŞAĞI BUTONU

HRKGK : HIZ REGÜLATÖRÜ KASNAK GERİ KONTAĞI
 KDKY : KUYU DİBİ YARDIMCI KONTAĞI
 KTK : KABİN TAMPONU KONTAĞI
 KATK : KARŞI AĞIRLIK TAMPONU KONTAĞI
 ASKK : ALT SON KESİCİ KONTAĞI

Açıklama : **Kuyu Dibi Tesisatı**

Proje: **MLCOMBO-X**

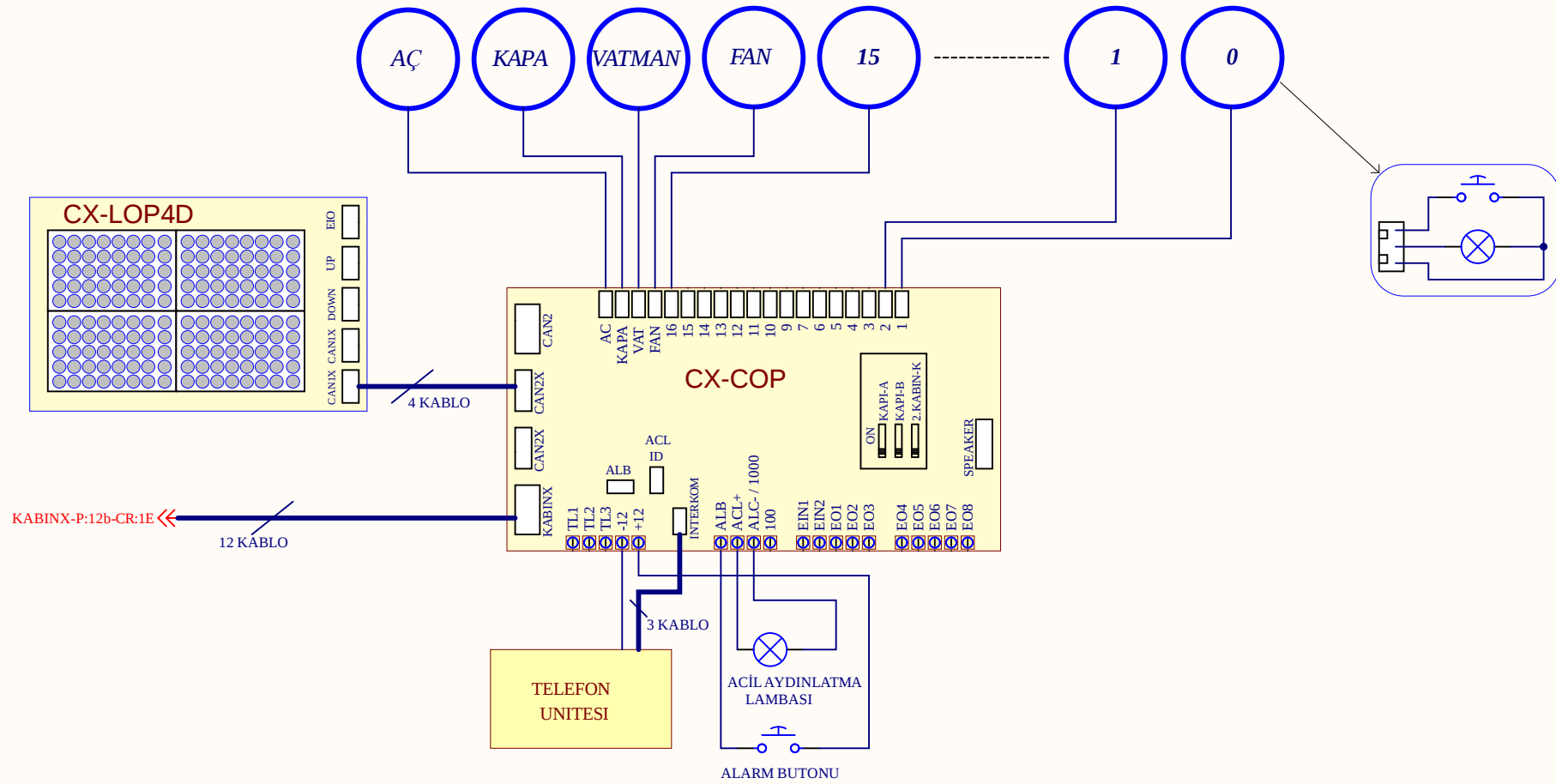
Tarih: 9/13/2023

Revizyon: 1

Sayfa: 14

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Açıklama : **Kabin Tesisatı**
(CX-IBOX-S'li Bağlantılar İçin)

Proje: **MLCOMBO-X**

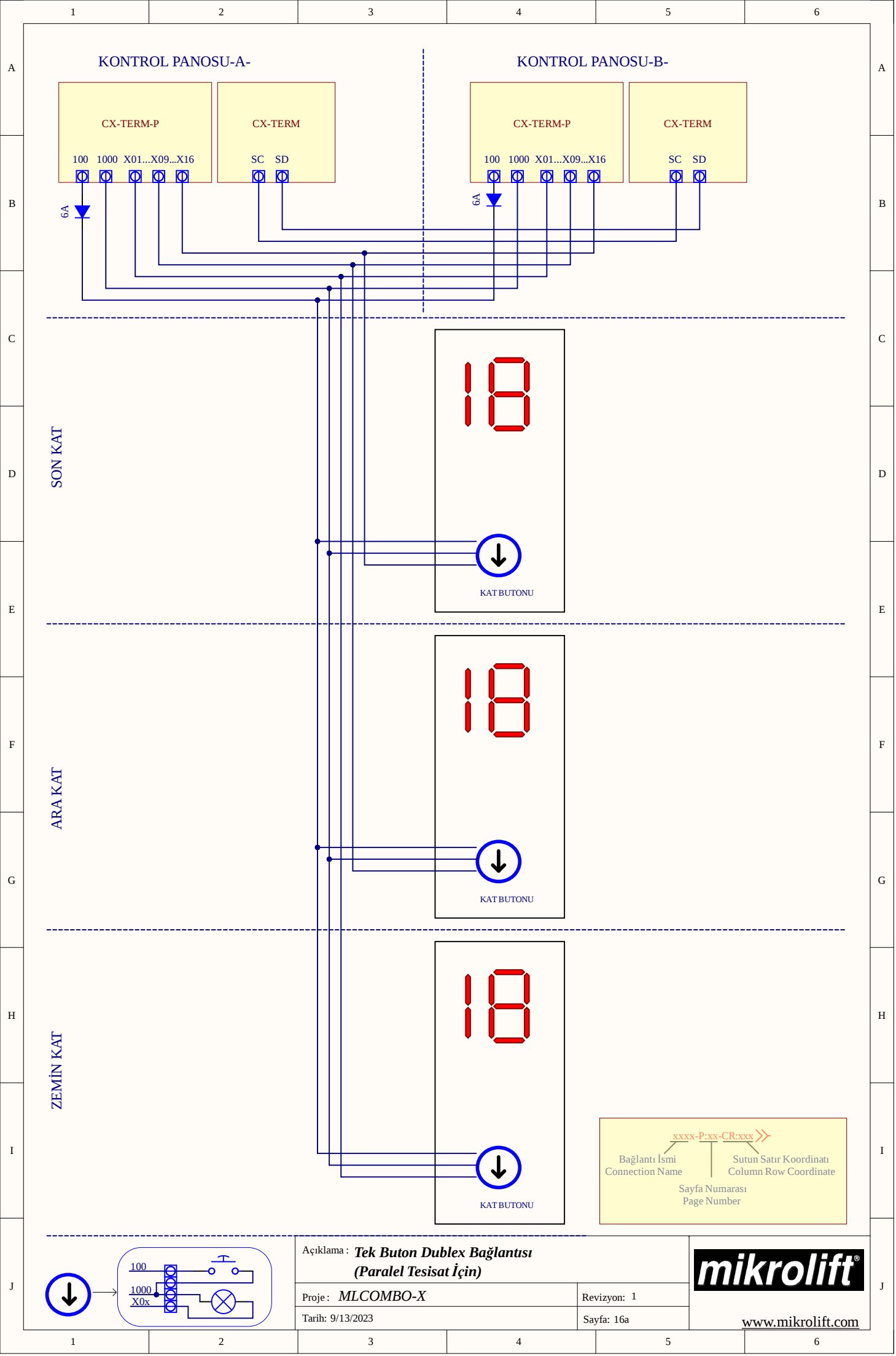
Tarih: 9/13/2023

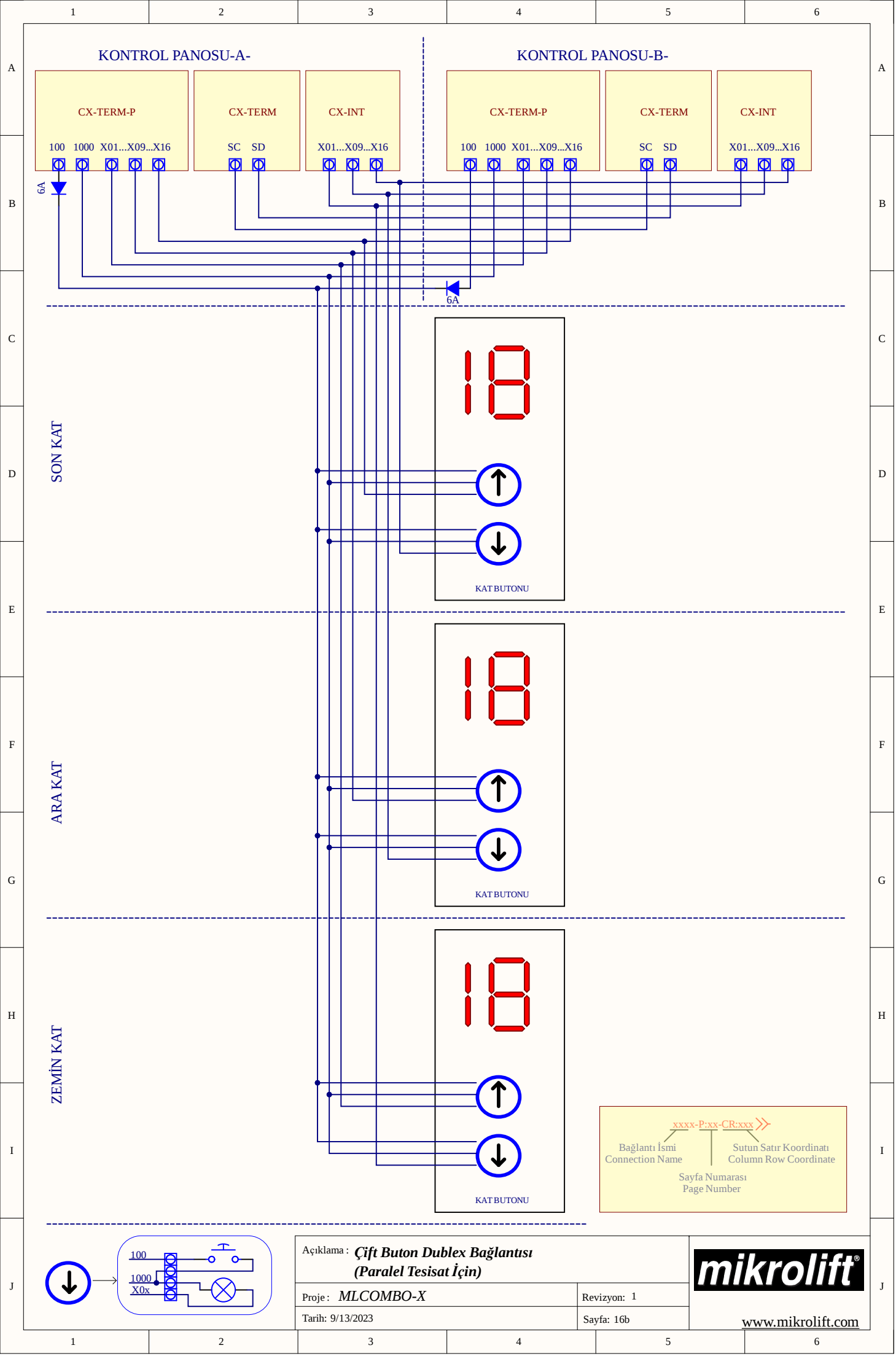
Revizyon: 1

Sayfa: 15

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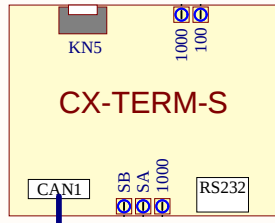
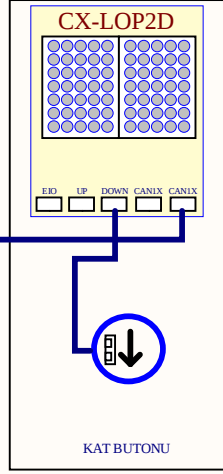


KONTROL PANOSU

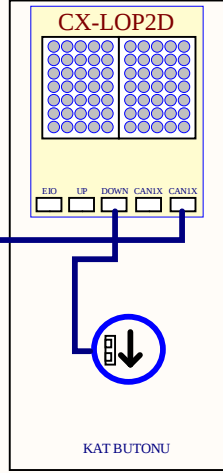
SON KAT

ARAKAT

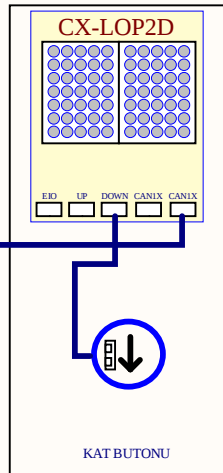
ZEMİN KAT

CAN-BUS ANA HAT KABLOSU
(2 x 2 x 0.75)CAN-BUS KAT
BUTONLARI KABLOSU
(2 x 2 x 0.22)

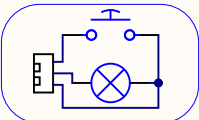
KAT BUTONU

CAN-BUS MAIN LINE CABLE
(2 x 2 x 0.75)CAN-BUS KAT
BUTONLARI KABLOSU
(2 x 2 x 0.22)

KAT BUTONU

CAN-BUS ANA HAT KABLOSU
(2 x 2 x 0.75)CAN-BUS KAT
BUTONLARI KABLOSU
(2 x 2 x 0.22)

KAT BUTONU

HAT SONU
DIRENCİ

Açıklama : **Kat Tesisatı**
(Seri Tesisat İçin)

Proje : **MLCOMBO-X**

Tarih: 9/13/2023

Revizyon: 1

Sayfa: 17a

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KONTROL PANOSU

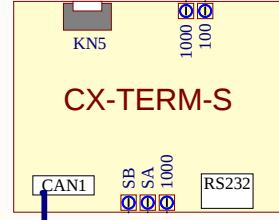
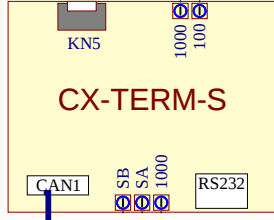
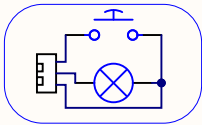
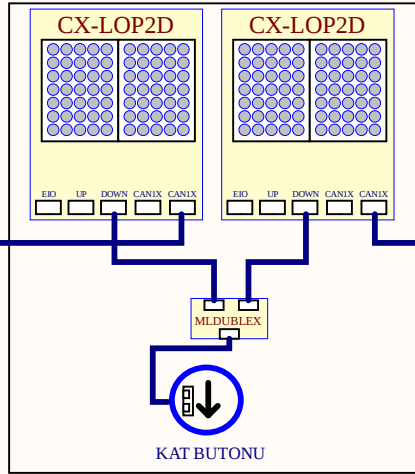
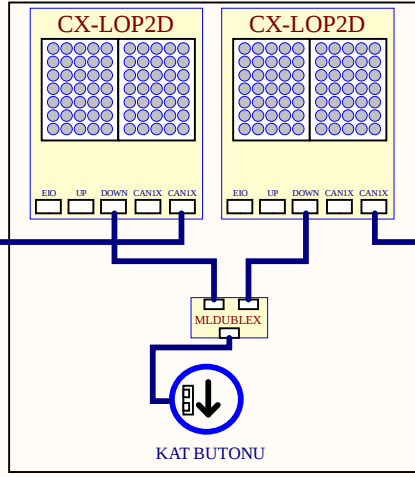
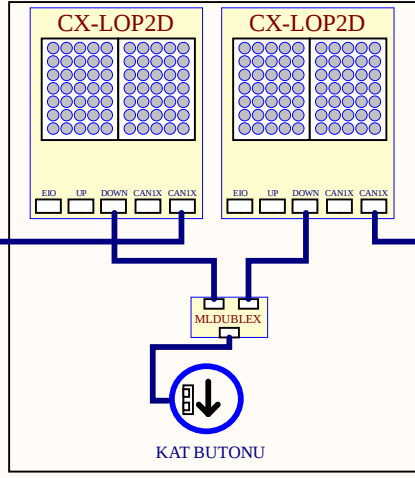
SON KAT

ARAKAT

ZEMİN KAT

PANO - A

PANO - B

CAN-BUS ANA HAT KABLOSU
(2 x 2 x 0,75)CAN-BUS KAT
BUTONLARI KABLOSU
(2 x 2 x 0,22)CAN-BUS MAIN LINE CABLE
(2 x 2 x 0,75)CAN-BUS KAT
BUTONLARI KABLOSU
(2 x 2 x 0,22)CAN-BUS ANA HAT KABLOSU
(2 x 2 x 0,75)CAN-BUS KAT
BUTONLARI KABLOSU
(2 x 2 x 0,22)HAT SONU
DİRENÇİCAN-BUS ANA HAT KABLOSU
(2 x 2 x 0,75)CAN-BUS KAT
BUTONLARI KABLOSU
(2 x 2 x 0,22)CAN-BUS MAIN LINE CABLE
(2 x 2 x 0,75)CAN-BUS KAT
BUTONLARI KABLOSU
(2 x 2 x 0,22)CAN-BUS ANA HAT KABLOSU
(2 x 2 x 0,75)CAN-BUS KAT
BUTONLARI KABLOSU
(2 x 2 x 0,22)HAT SONU
DİRENÇİ

Açıklama : **Dublex İçin Kat Tesisatı**
(Seri Tesisat İçin)

Proje : **MLCOMBO-X**

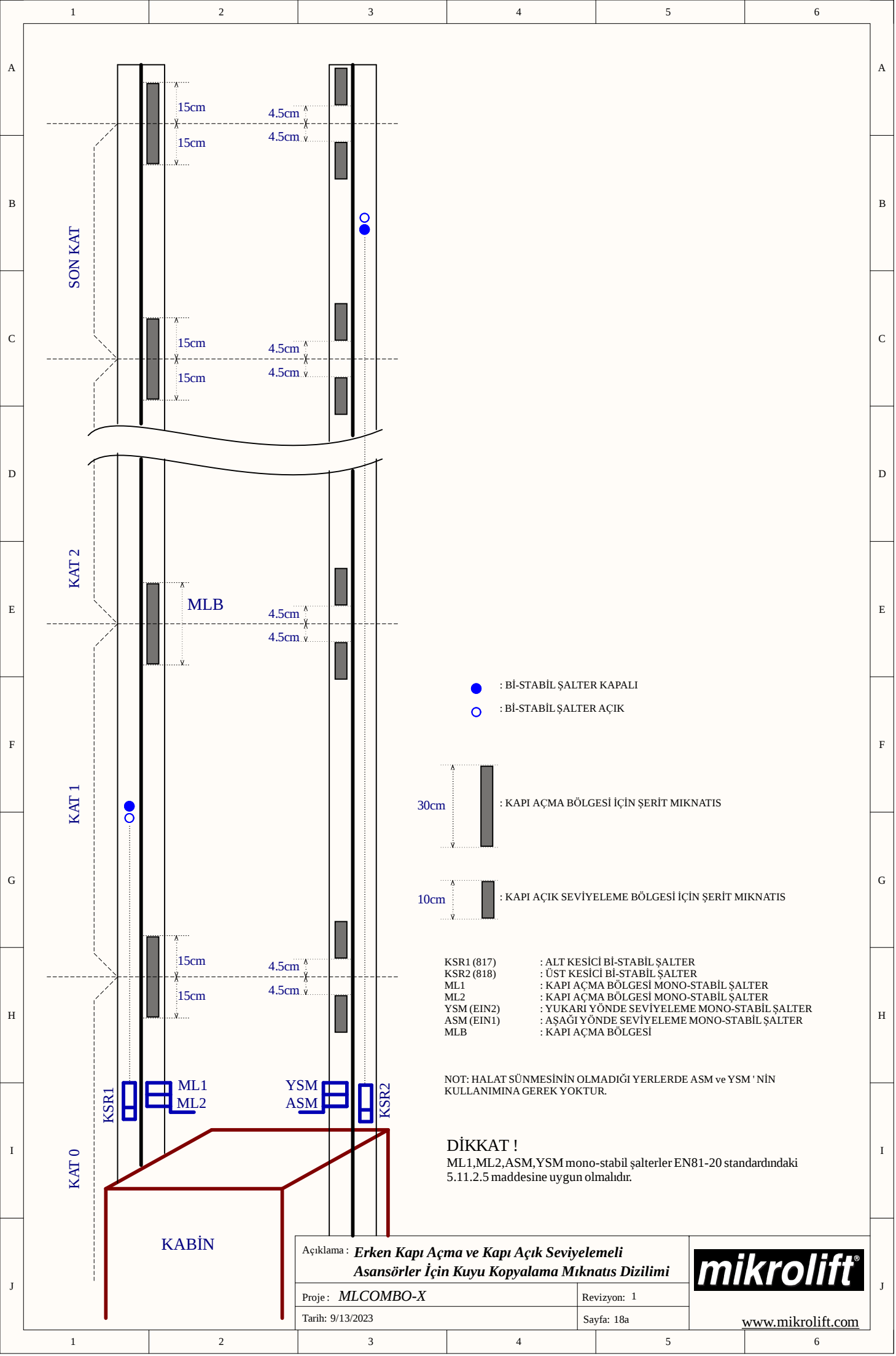
Tarih: 9/13/2023

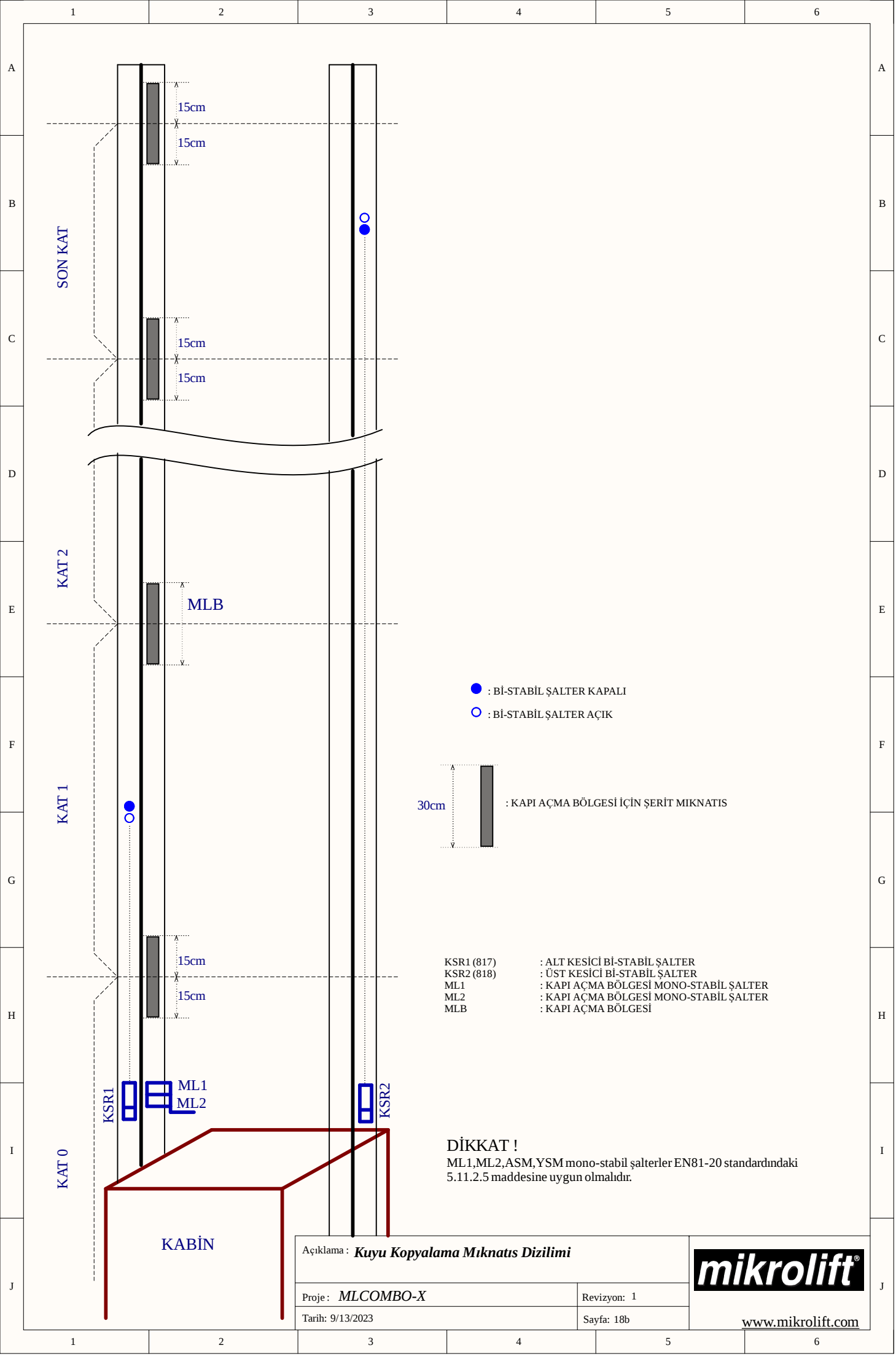
Revizyon: 1

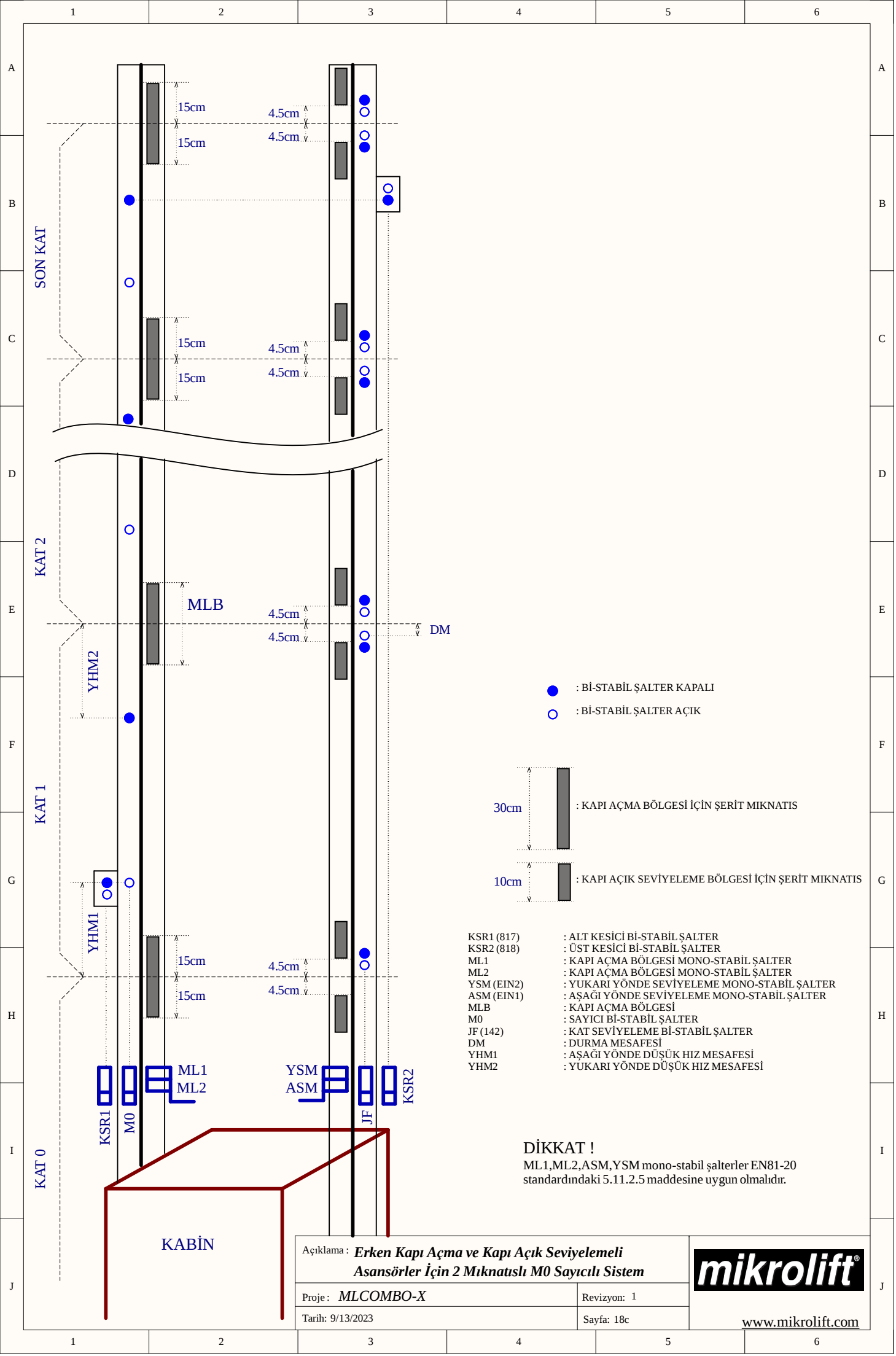
Sayfa: 17b

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1 2 3 4 5 6 7 8 9 10

A

A

1000-P:1x-CR:10B >>
ML1-P:3-CR:1B >>
ML2-P:3-CR:1B >>

MLKTA

+12V
1000
ML1
ML2
L-
L+

12V 1W (MAX)
KATTA LAMBASI

C

C

D

D

E

E

xxxx-P:xx-CR:xxx >>
Bağlantı İsmi
Connection Name
Sayfa Numarası
Page Number
Sutun Satır Koordinatı
Column Row Coordinate

F

F

Açıklama : **MLKTA (Kabin Katta Kartı) Pano İçi Bağlantısı**

Proje: **MLCOMBO-X**

Revizyon: 1

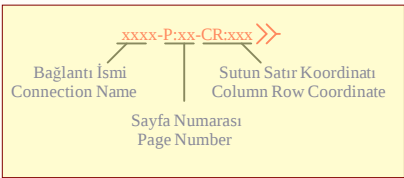
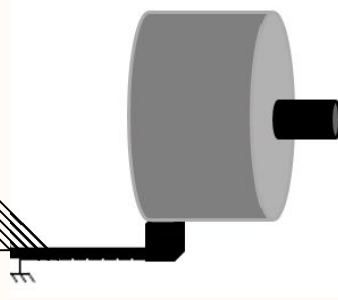
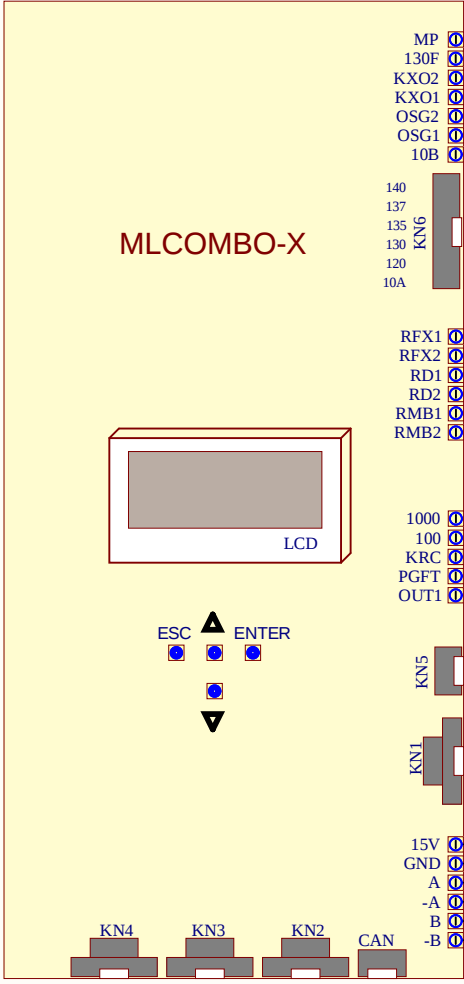
Tarih: 9/13/2023

Sayfa: 19

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1 2 3 4 5 6 7 8 9 10



Açıklama : **Eşlenik Çıkışlı Artımsal Enkoder Bağlantısı**

Proje : **MLCOMBO-X**

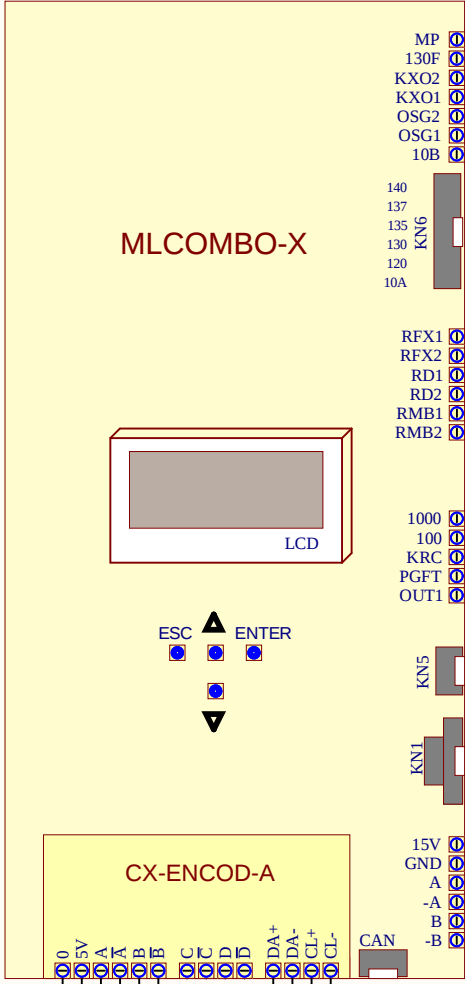
Tarih: 9/13/2023

Revizyon: 1

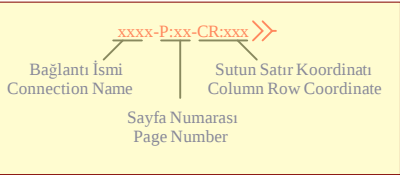
Sayfa: 20a

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X Bağlantı yapılmayacak!



Açıklama : **Senkron Motor ENDAT Enkoder Bağlantısı**

Proje : **MLCOMBO-X**

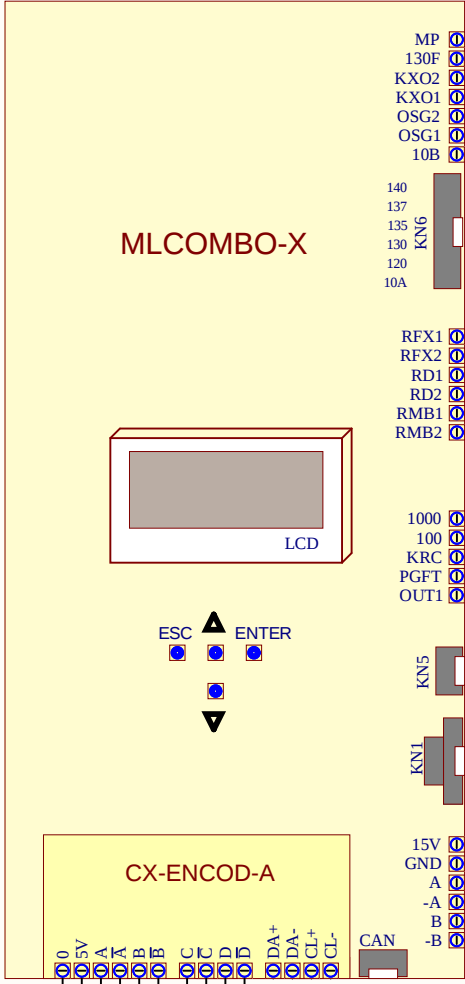
Tarih: 9/13/2023

Revizyon: 1

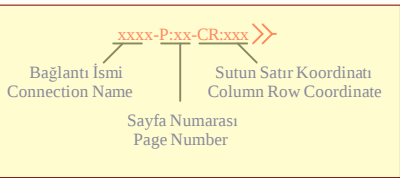
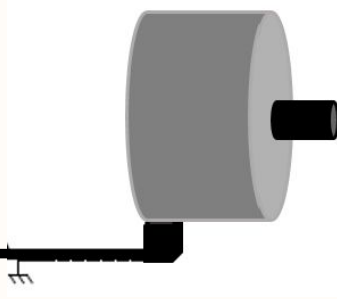
Sayfa: 20b

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X Bağlantı yapılmayacak!



Açıklama : **Senkron Motor SINCOS Enkoder Bağlantısı**

Proje : **MLCOMBO-X**

Tarih: 9/13/2023

Revizyon: 1

Sayfa: 20c

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TAM OTOMATİK

YALNIZ KABİN KAPISI OTOMATİK

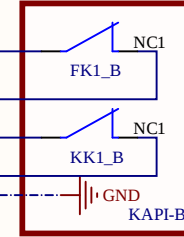
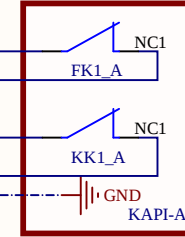
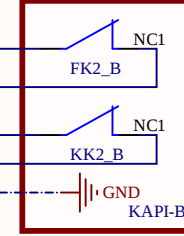
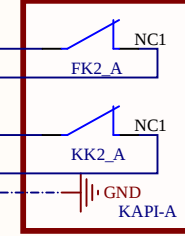
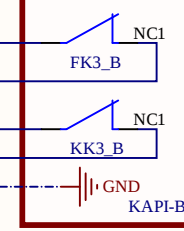
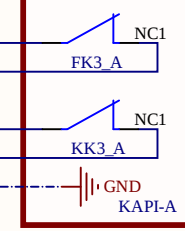
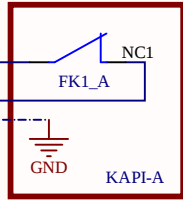
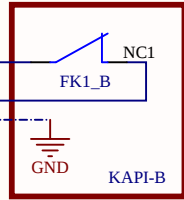
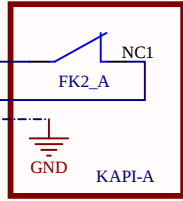
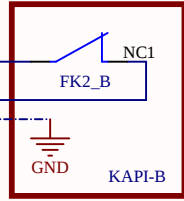
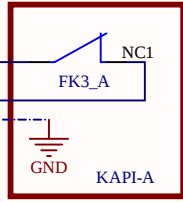
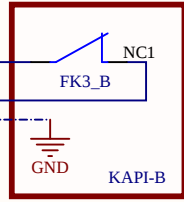
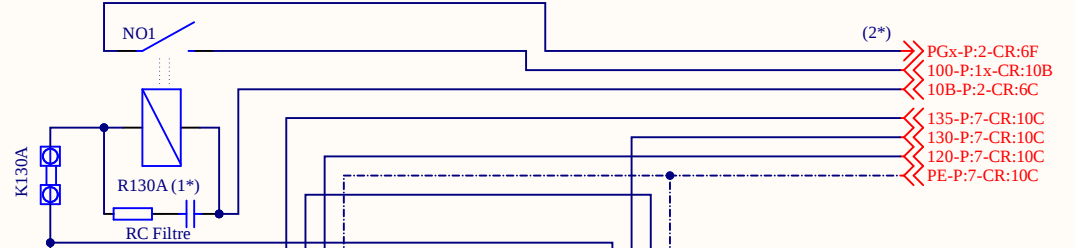
KONTROL PANOSU

2. KAT

1. KAT

ZEMİN KAT

135-P:7-CR:10C
130-P:7-CR:10C
120-P:7-CR:10C
PE-P:7-CR:10C



FKx_A : A TARAFI KAPI FİŞ KONTAKLARI
FKx_B : B TARAFI KAPI FİŞ KONTAKLARI
KKx_A : A TARAFI KAPI KİLİT
KONTAKLARI
KKx_B : B TARAFI KAPI KİLİT

1* Bu röleler EN 50205 standardına uygun ve 220VAC bobinli olmalıdır!
Rölelerin bobinlerine RC filtresi mutlaka bağlanmalıdır !

2* Bu girişler, MLCOMBO-X programlanabilir girişleridir.

Açıklama : **Çift Kat Kapısı İçin Kontak Bağlantıları**

Proje: **MLCOMBO-X**

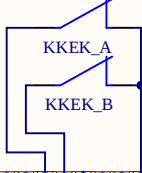
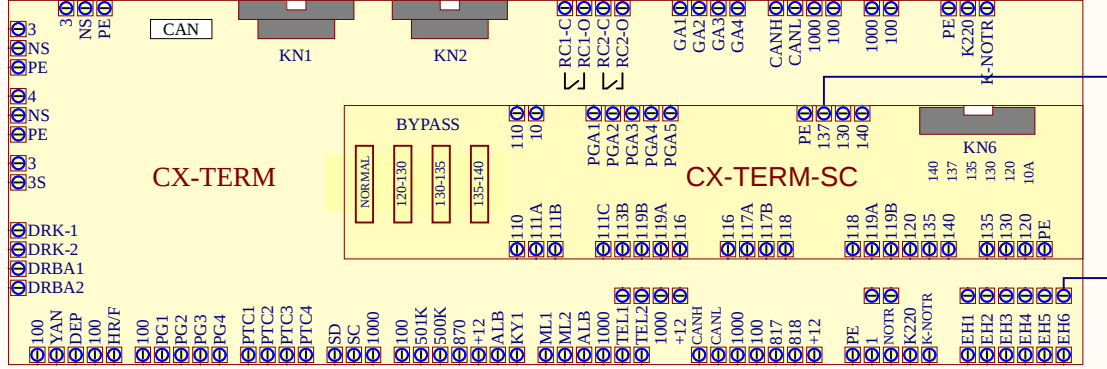
Revizyon: 1

Tarih: 9/13/2023

Sayfa: 21a

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KKEK_A : A TARAFI KABİN KAPISI EKSTRA KONTAK
KKEK_B : B TARAFI KABİN KAPISI EKSTRA KONTAK

Açıklama : **Çift Kabin Kapısı KONTAK Bağlantıları**
(Paralel Tesisat İçin)

Proje: **MLCOMBO-X**

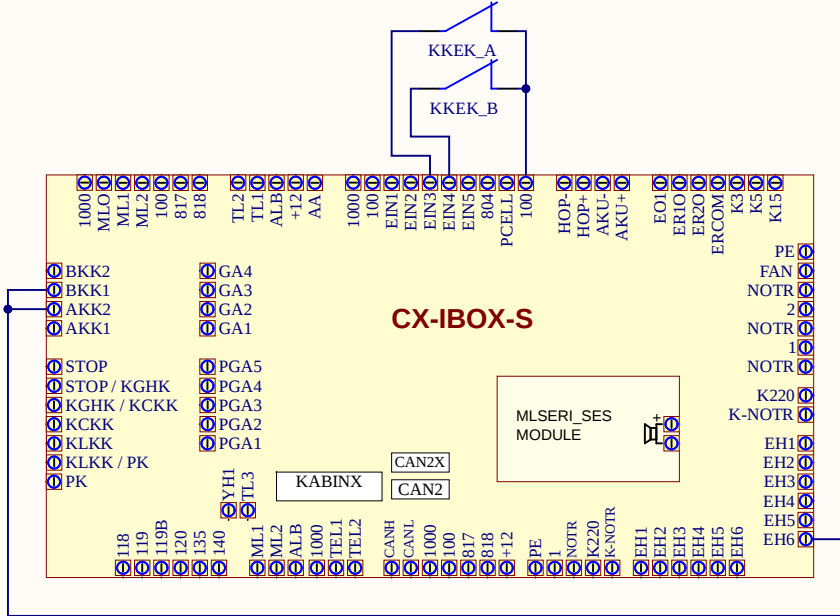
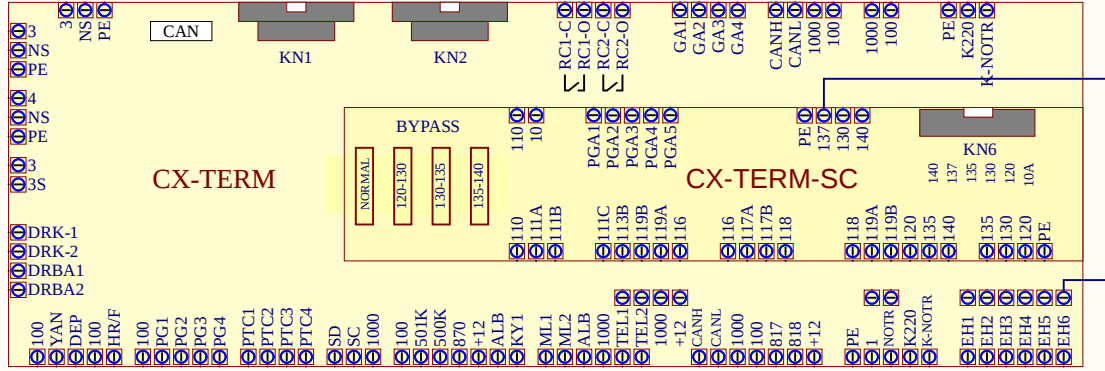
Revizyon: 1

Tarih: 9/13/2023

Sayfa: 21b

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KKEK_A : A TARAFI KABİN KAPISI EKSTRA KONTAK
KKEK_B : B TARAFI KABİN KAPISI EKSTRA KONTAK

Açıklama : **Çift Kabin Kapısı Kontak Bağlantıları**
(Seri Tesiat İçin)

Proje: **MLCOMBO-X**

Revizyon: 1

Tarih: 9/13/2023

Sayfa: 21c

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