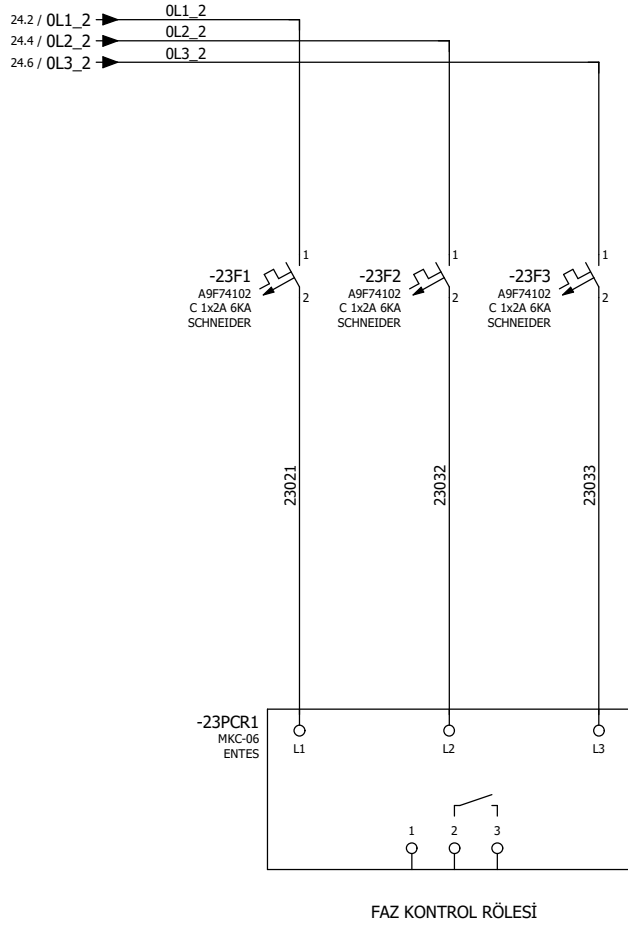


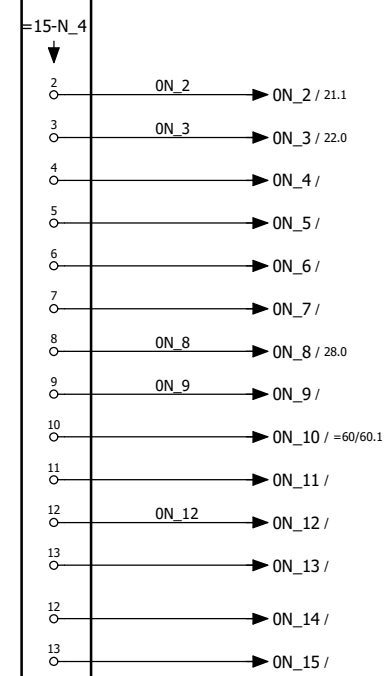
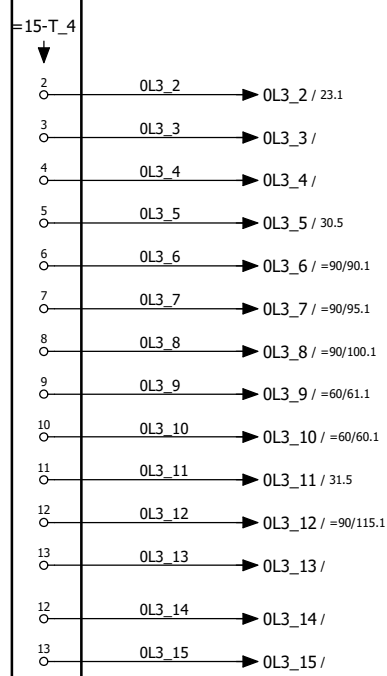
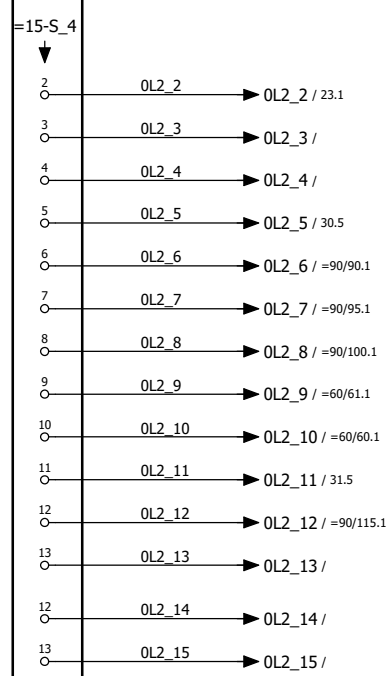
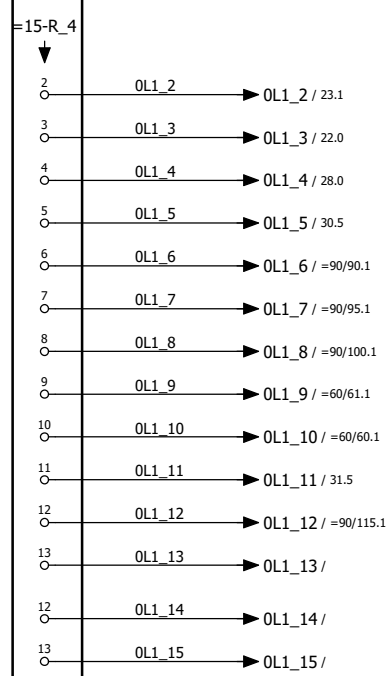
			Tarih	16.03.2023	Mekatronik Mühendisliği	Karabük Üniversitesi	ANA PANO ÖLÇÜLER		= 10
			Düzenleyen	YASIN	2023 Mekatronik Mühendisliği Bitirme Projesi				+ CC
			Kontrol eden						
Değişiklik	Tarih	İsim	Orjin		Değiştirildi	Şununla değiştirildi		IEC_bas001	Sayfa 10 Sayfa 2 / 123



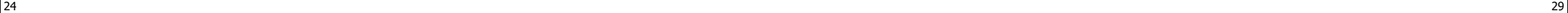
Sayfa	12
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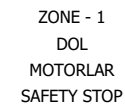
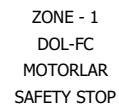


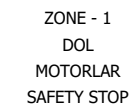
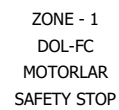
-24DB1
4612,250
4P 6/12 12 Delikli
245x131x70 mm
250A
LOOBAR



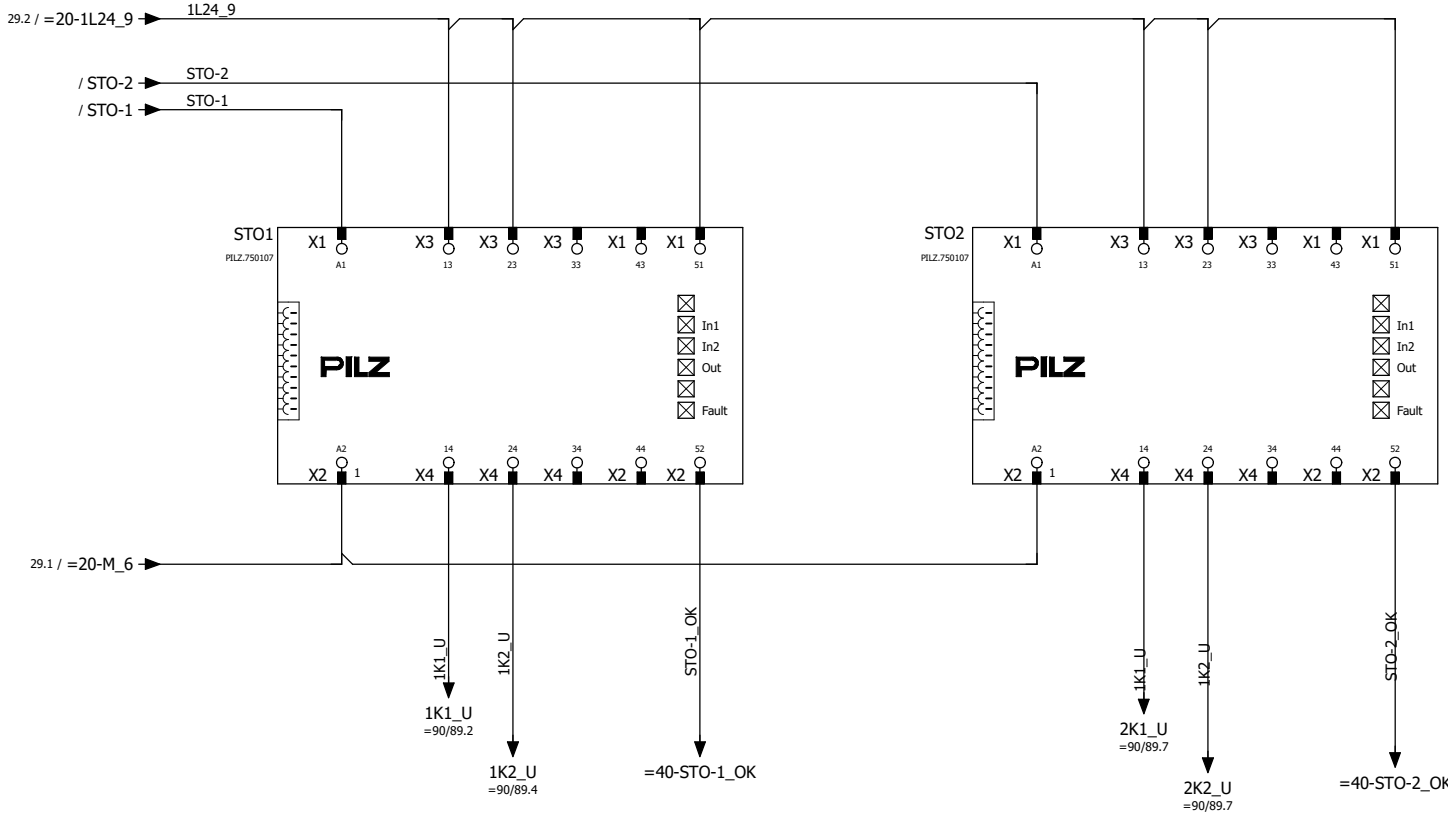
DAĞITIM BARASI
400 VAC
3 FAZ + N







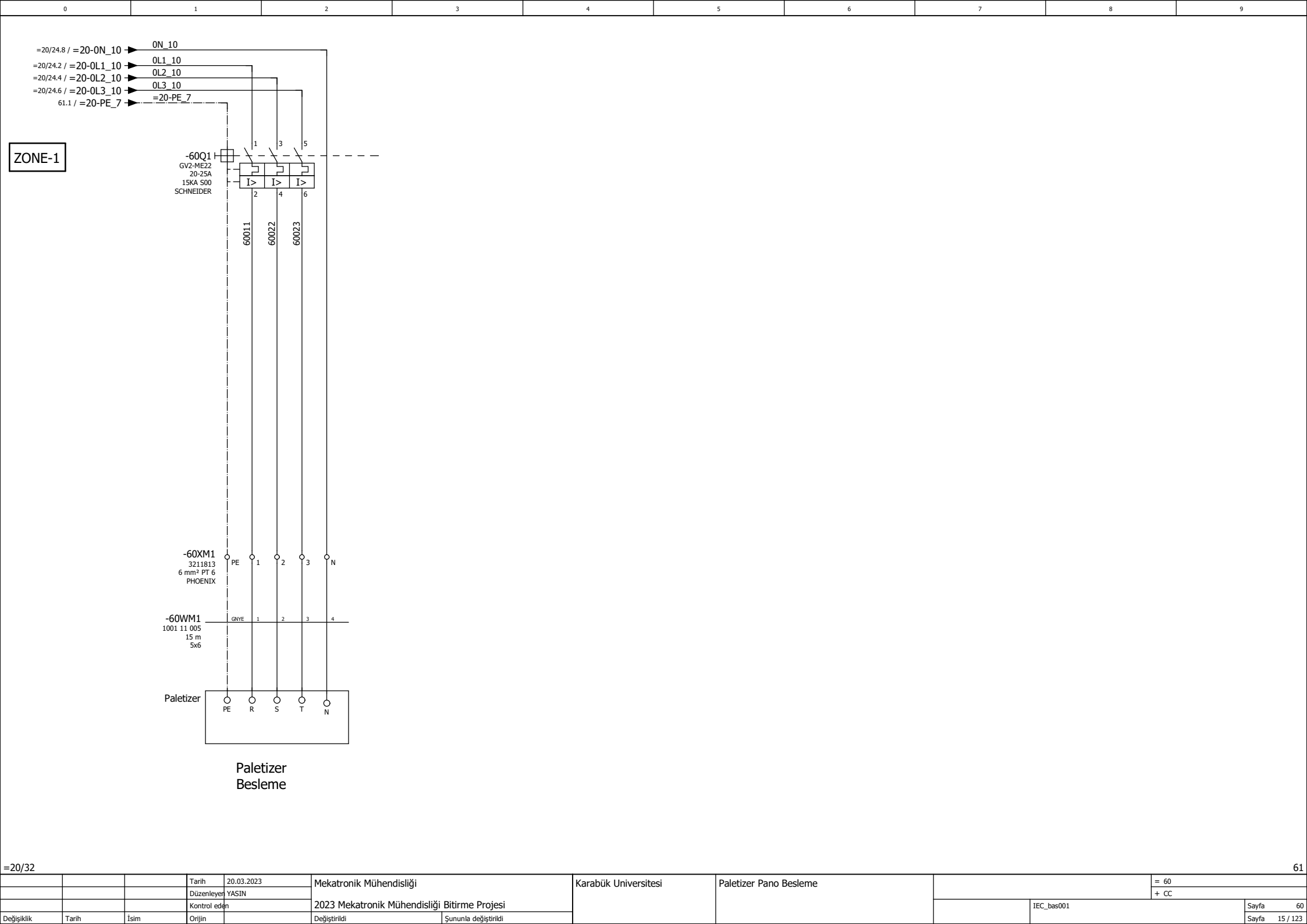
Revizyon



ZONE - 1
FC
MOTORLAR
SAFETY STOP

ZONE - 2
FC
MOTORLAR
SAFETY STOP

			Tarih	16.03.2023	Mekatronik Mühendisliği	Karabük Üniversitesi	STO Safety Kontaktörler		= 20	
			Düzenleyen	YASIN					+ CC	
			Kontrol eden		2023 Mekatronik Mühendisliği Bitirme Projesi					Sayfa 32
Değişiklik	Tarih	İsim	Orjin		Değiştirildi	Şununla değiştirildi			IEC_bas001	Sayfa 14 / 123



			Tarih	20.03.2023	Mekatronik Mühendisliği	Karabük Üniversitesi	Paletizer Pano Besleme	= 60	
			Düzenleyen	YASIN	2023 Mekatronik Mühendisliği Bitirme Projesi			+ CC	Sayfa 60
Değişiklik	Tarih	İsim	Orjin		Değiştirildi	Şununla değiştirildi		IEC_bas001	Sayfa 15 / 12

=20/24.2 / =20-OL1_9

=20/24.4 / =20-OL2_9

=20/24.6 / =20-OL3_9

60.1 / =20-PE_7

OL1_9

OL2_9

OL3_9

=20-PE_7

ZONE-2

-62Q1

GV2-ME22

20-25A

15KA S00

SCHNEIDER

1

3

5

2

4

6

1>

I>

I>

61011

61022

61023

-61XM1

3211813

6 mm² PT 6

PHOENIX

PE

1

2

3

-62WM1

/62.1

1001 11 005

15 m

5x6

GRYE

1

2

3

CNC

/62.1

PE

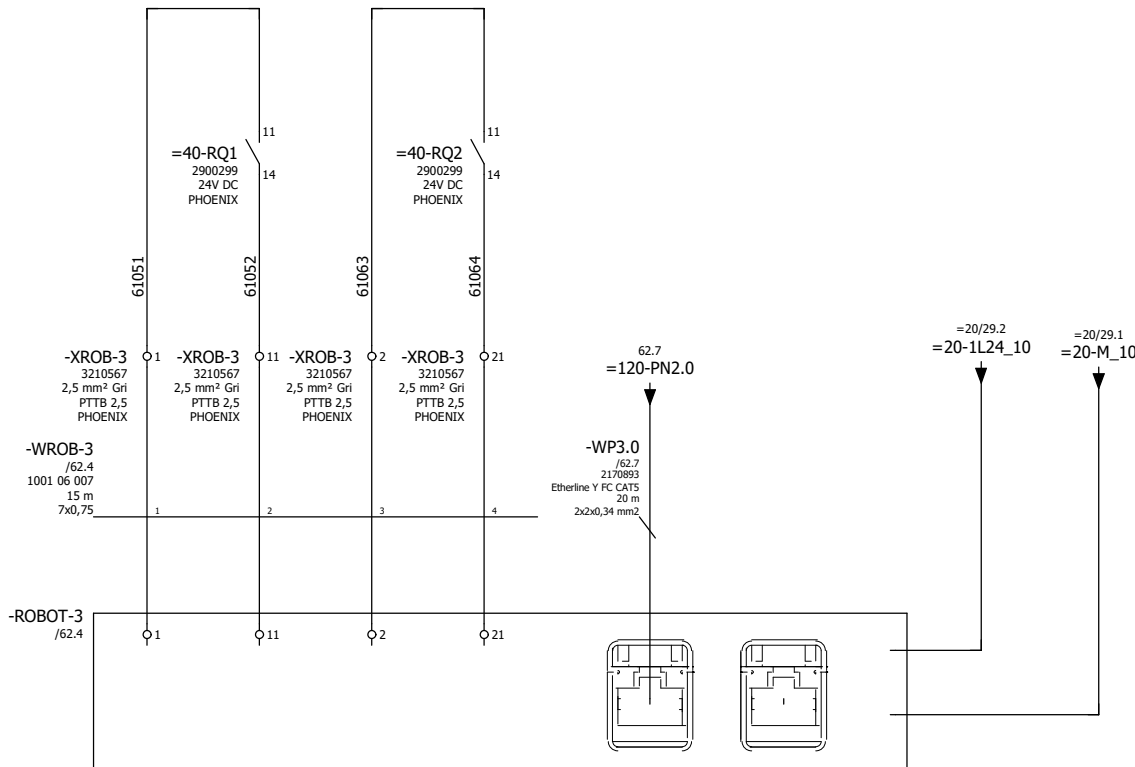
R

S

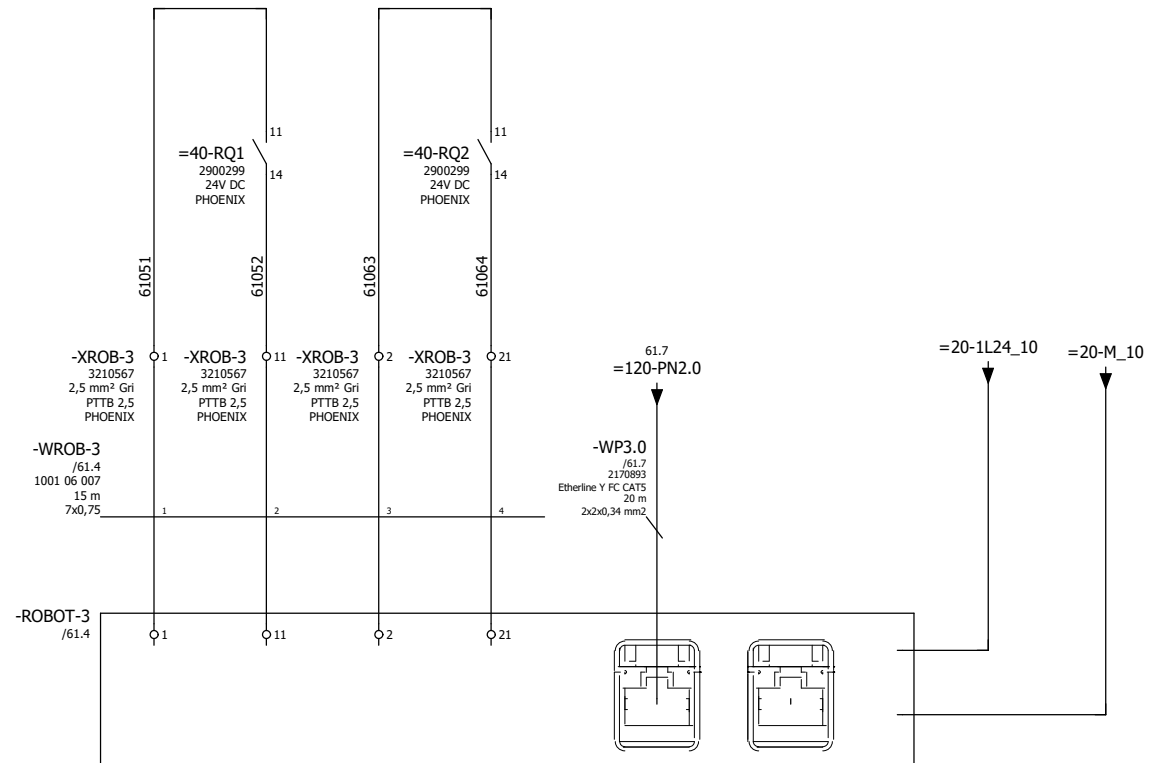
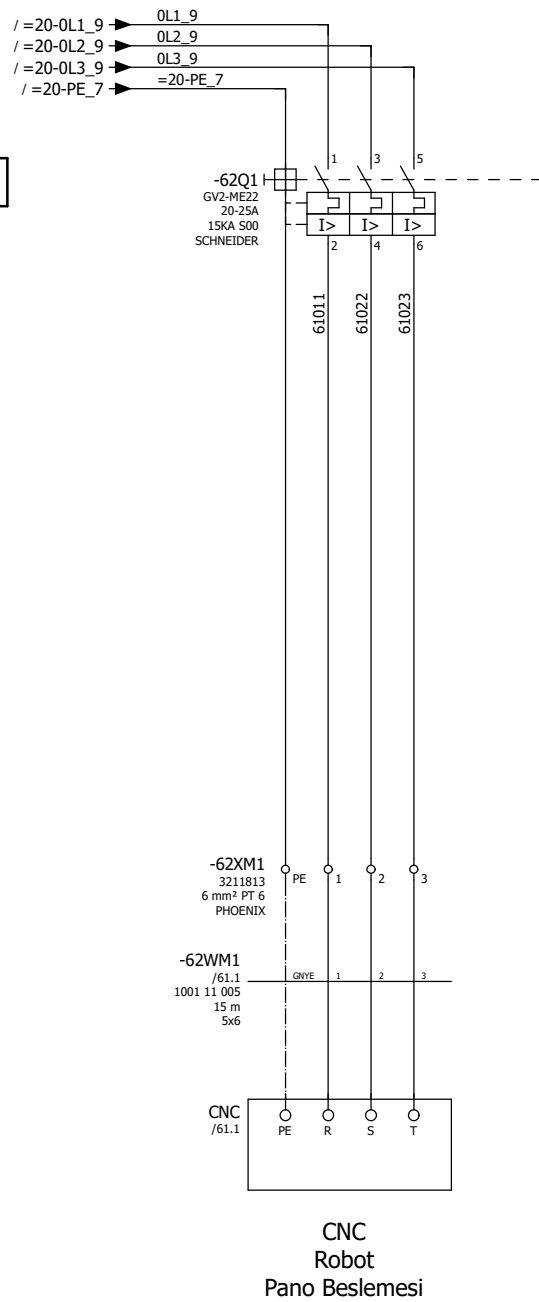
T

Asansör

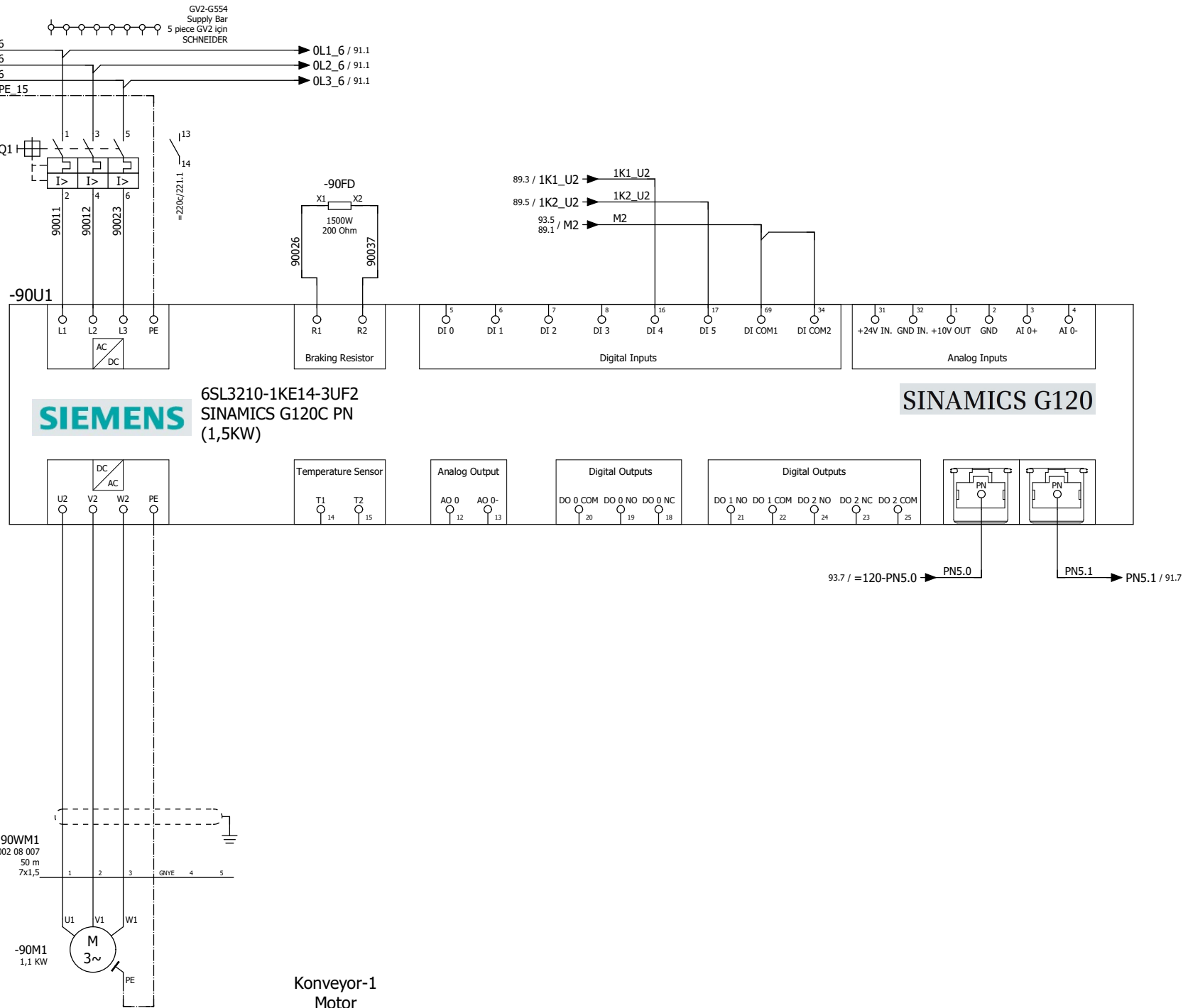
Pano Beslemesi

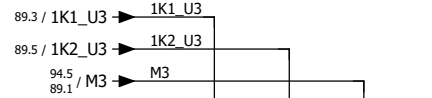
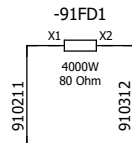
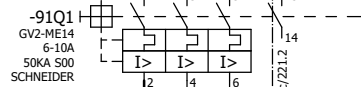
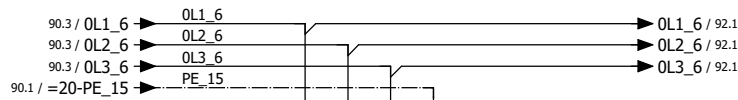


			Tarih	20.03.2023	Mekatronik Mühendisliği	Karabük Üniversitesi	Asansör Pano Beslemesi		= 60	
			Düzenleyen	YASIN					+ CC	
			Kontrol eden		2023 Mekatronik Mühendisliği Bitirme Projesi					61
Değişiklik	Tarih	İsim	Orjin		Değiştirildi	Şununla değiştirildi			IEC_bas001	Sayfa 16 / 123

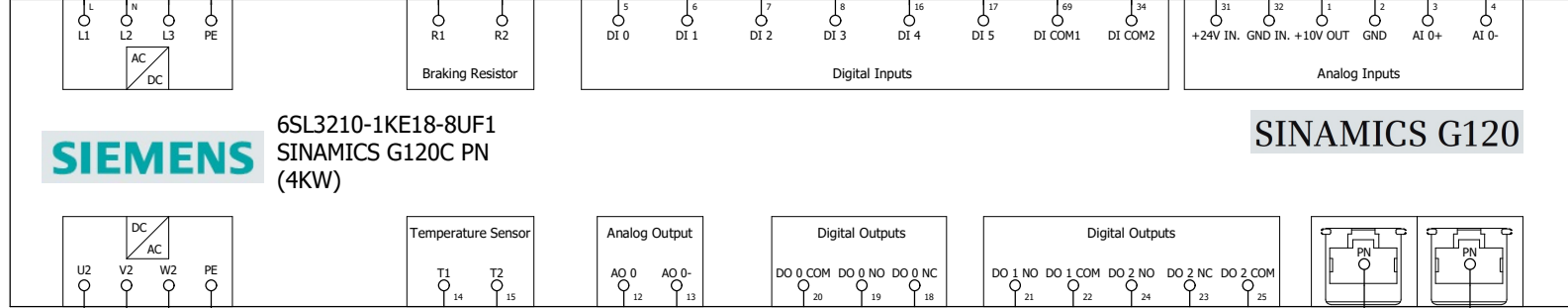


ZONE-1

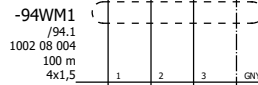
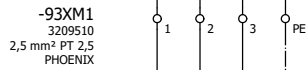
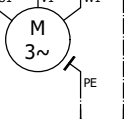




-91U1

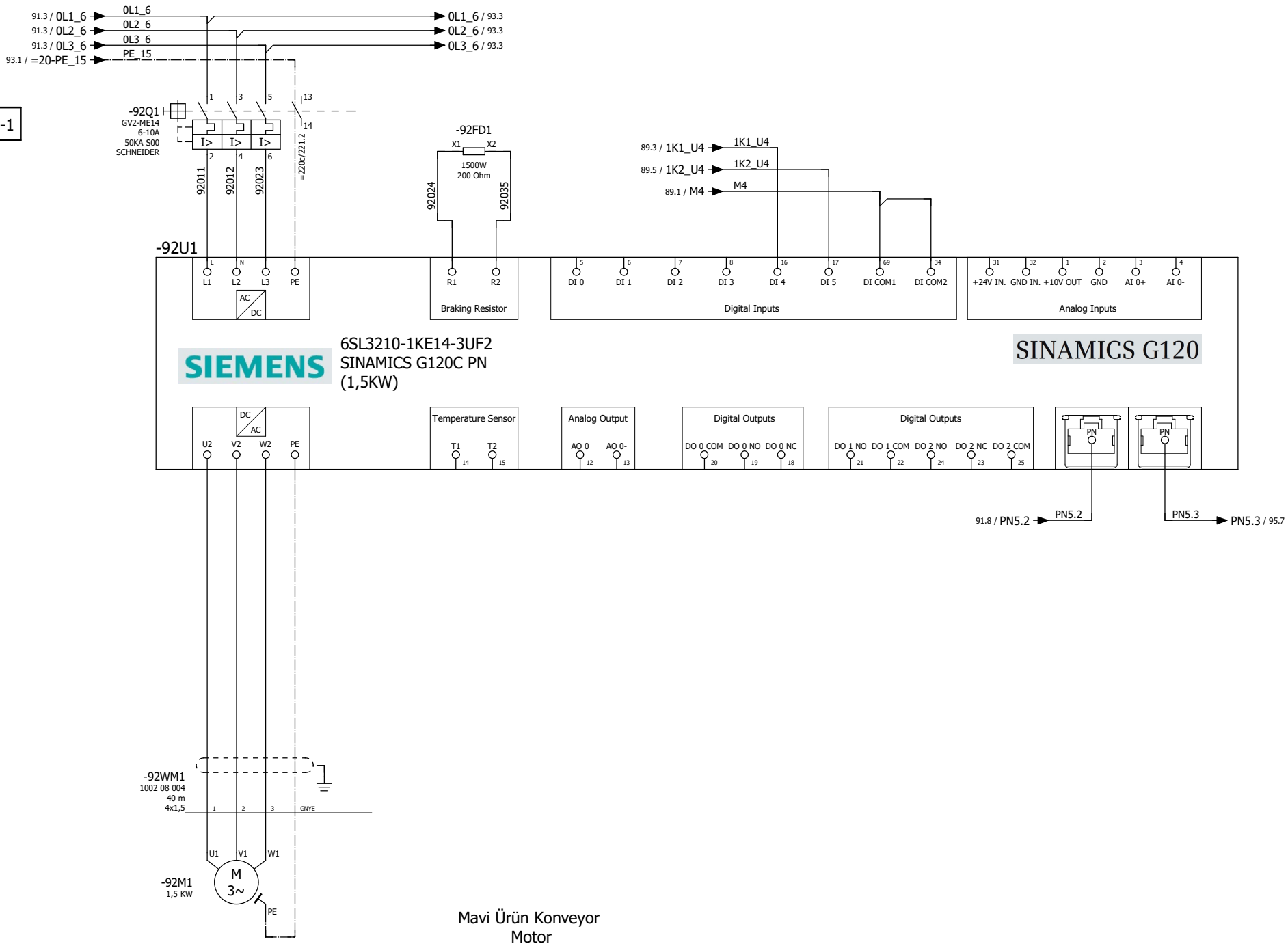


90.8 / PN5.1 → PN5.1
 PN5.2 → PN5.2 / 92.7

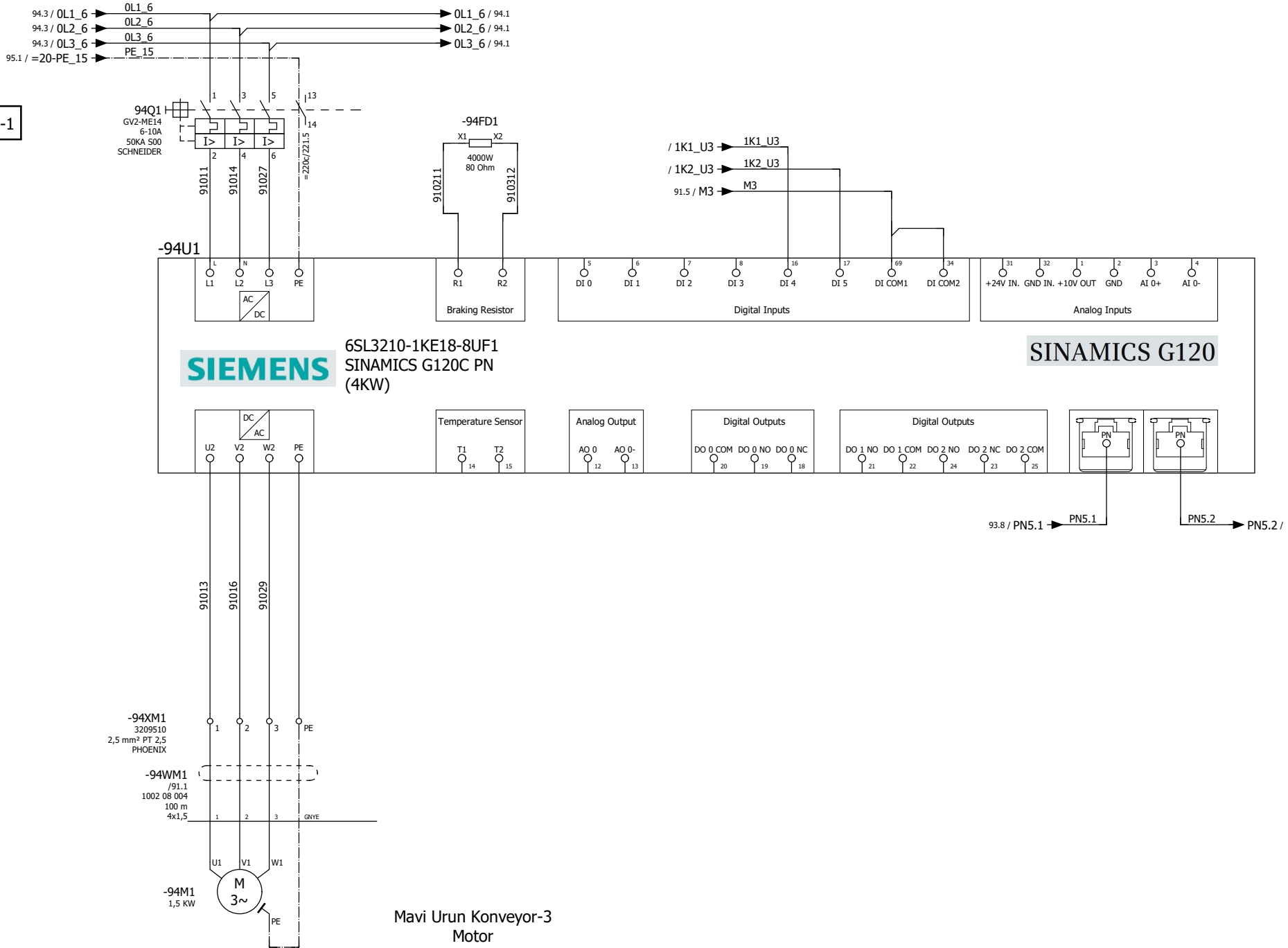
-91M1
 1,5 KW

Konveyör-2
 Motor

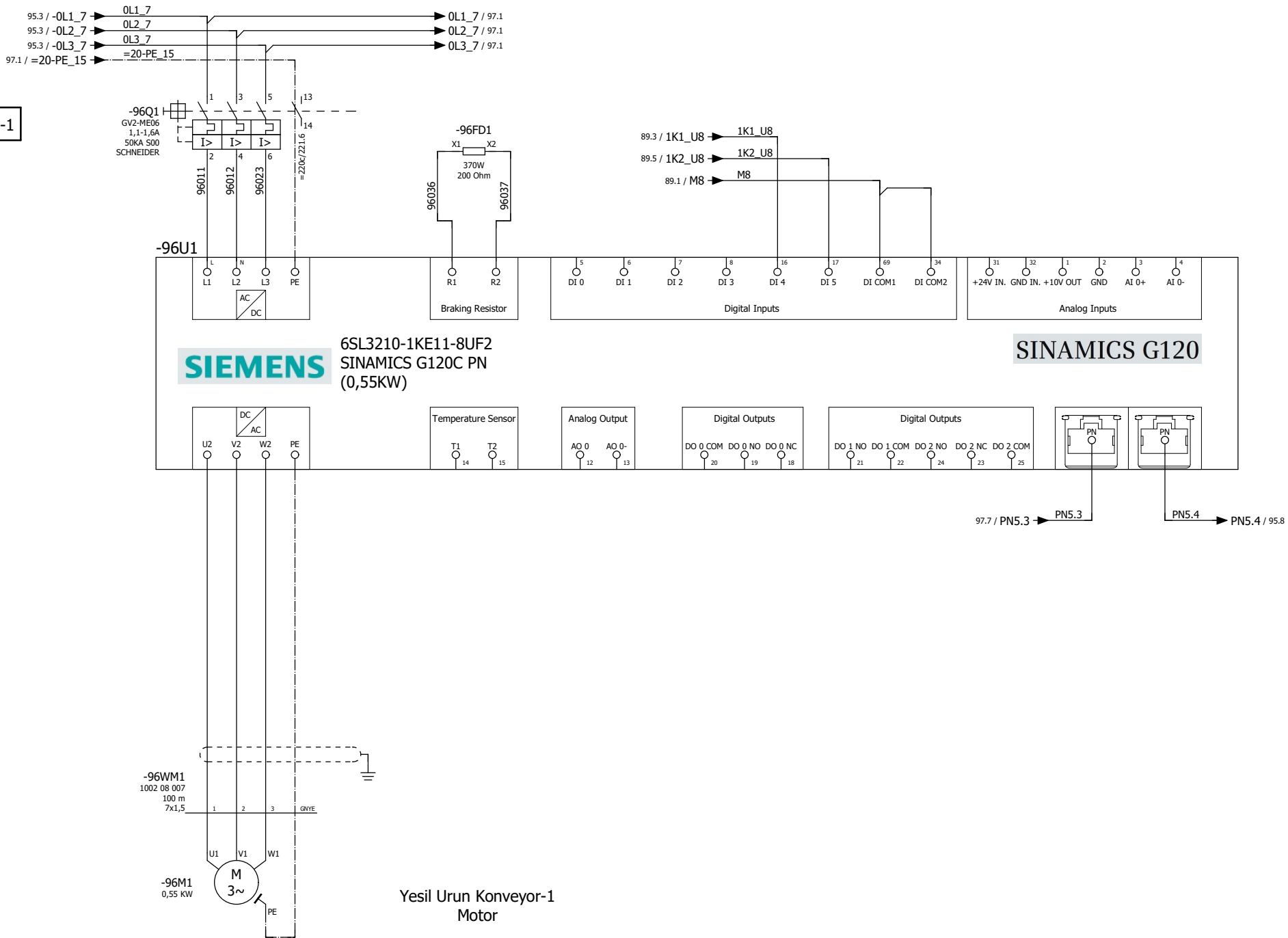
ZONE-1



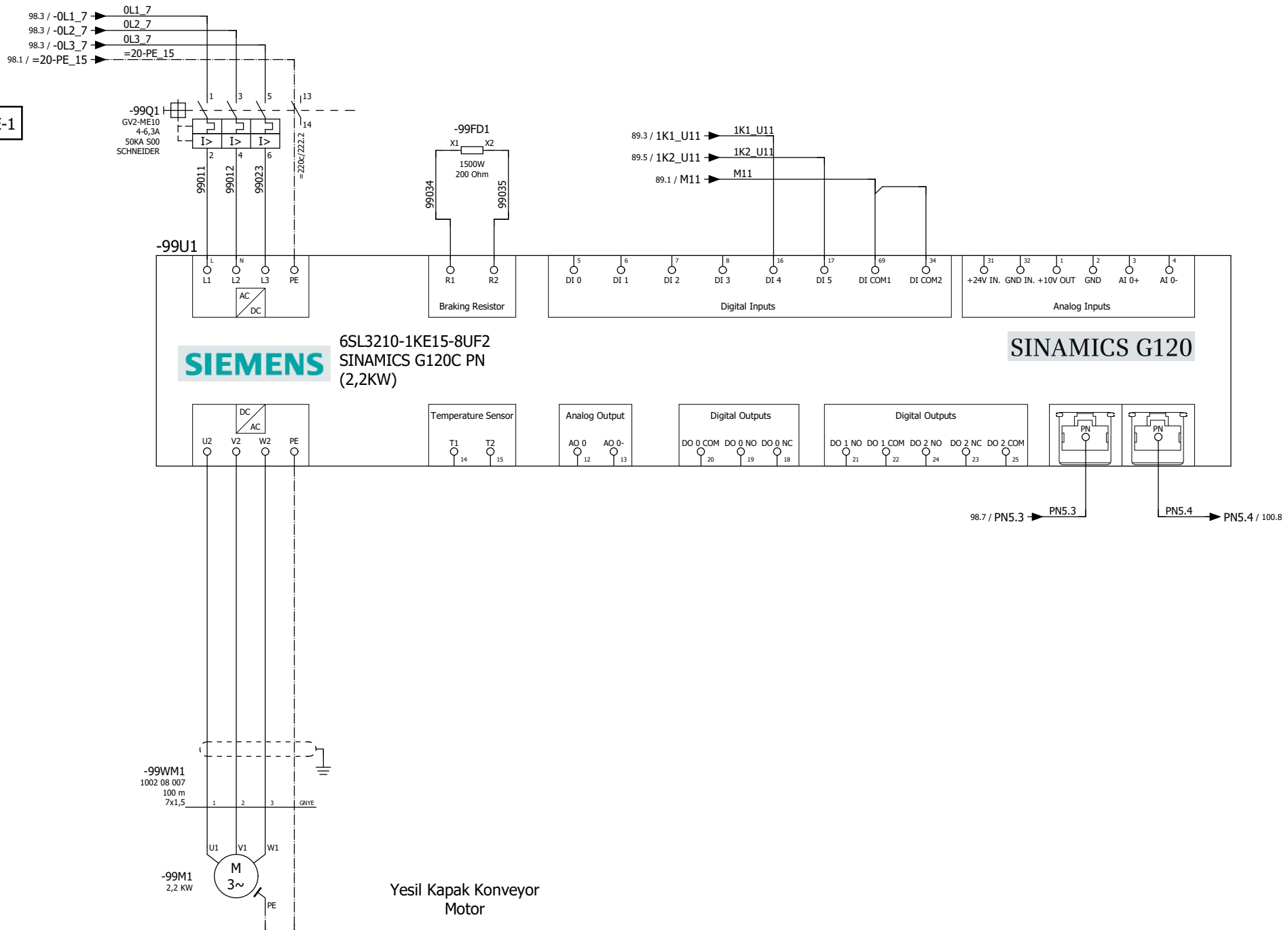
ZONE-1

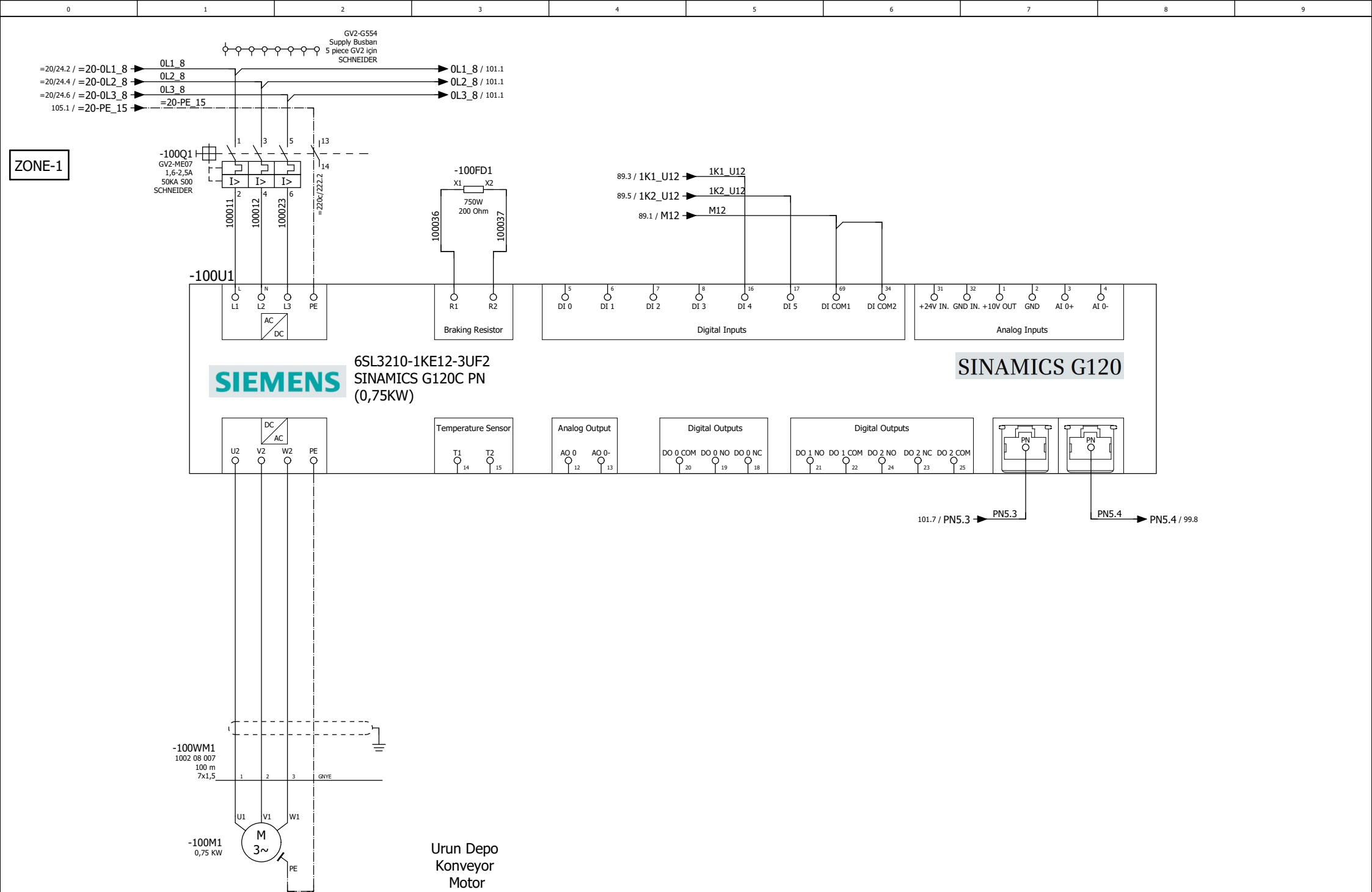


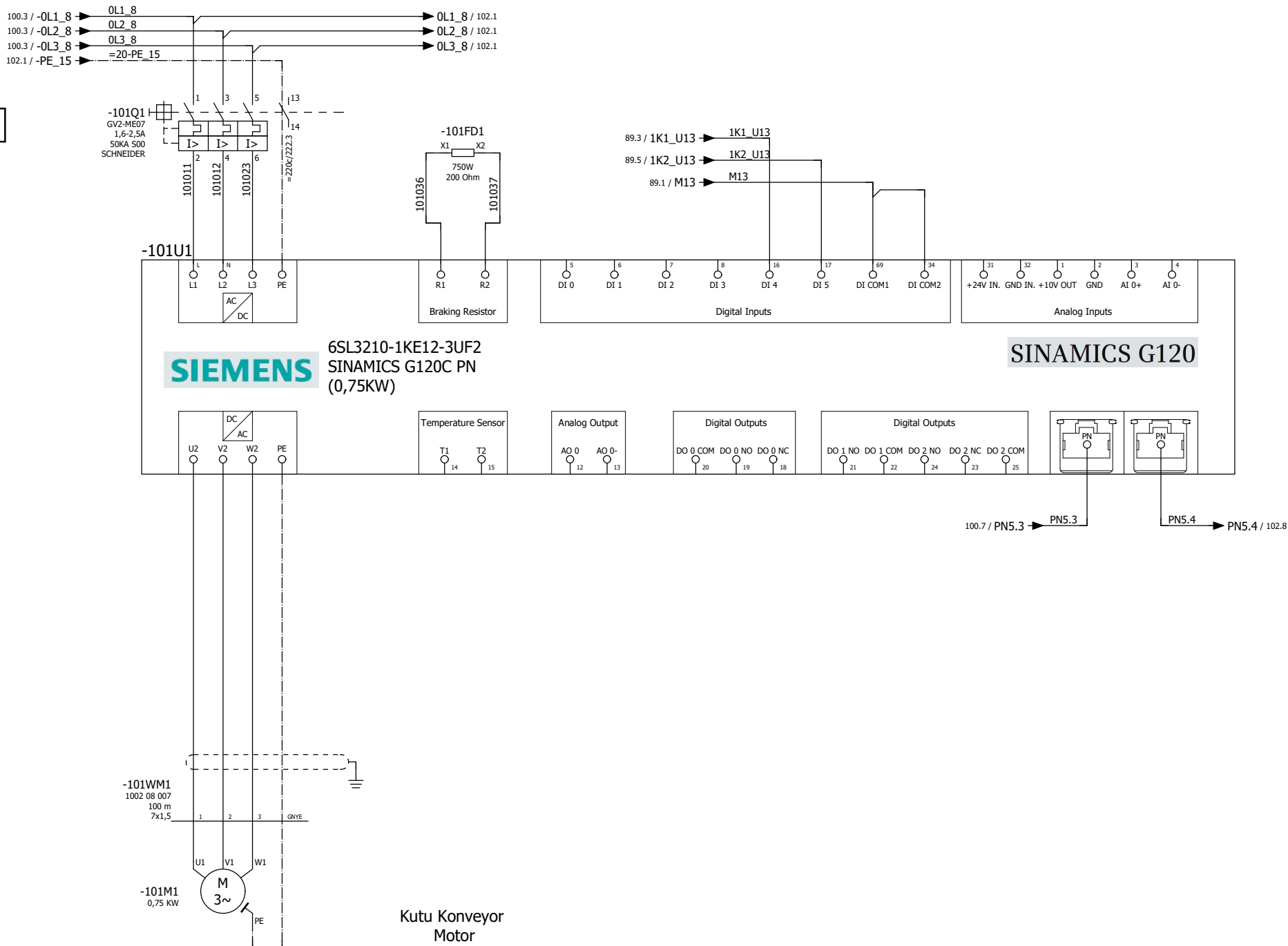
ZONE-1



ZONE-1







101.3 / -OL1_8 → OL1_8
101.3 / -OL2_8 → OL2_8
101.3 / -OL3_8 → OL3_8
101.1 / -PE_15 → =20-PE_15

-102FD1
X1 X2
1500W
200 Ohm
102034 102035

89.3 / 1K1_U14 → 1K1_U14
89.5 / 1K2_U14 → 1K2_U14
89.1 / M14 → M14

-102U1

SIEMENS

6SL3210-1KE15-8UF2
SINAMICS G120C PN
(2,2KW)

SINAMICS G120

-102WM1
1002 08 007
100 m
7x1,5

-102M1
2,2 KW

M
3~

Palet Konveyör
Motor

103.7 / PN5.3 → PN5.3
PN5.4 → PN5.4 / 101.8

102.3 / -OL1_8 → OL1_8
102.3 / -OL2_8 → OL2_8
102.3 / -OL3_8 → OL3_8
104.1 / -PE_15 → =20-PE_15

-103Q1
GV2-ME10
4-6,3A
50KA S00
SCHNEIDER

103011
103012
103023

-103U1

SIEMENS

6SL3210-1KE15-8UF2
SINAMICS G120C PN
(2,2KW)

Temperature Sensor
T1
T2

Analog Output
AO 0
AO 0-

Digital Outputs
DO 0 COM
DO 0 NO
DO 0 NC

Digital Outputs
DO 1 NO
DO 1 COM
DO 2 NO
DO 2 NC
DO 2 COM

PN
PN

-103WM1
1002 08 007
100 m
7x1,5

-103M1
2,2 KW

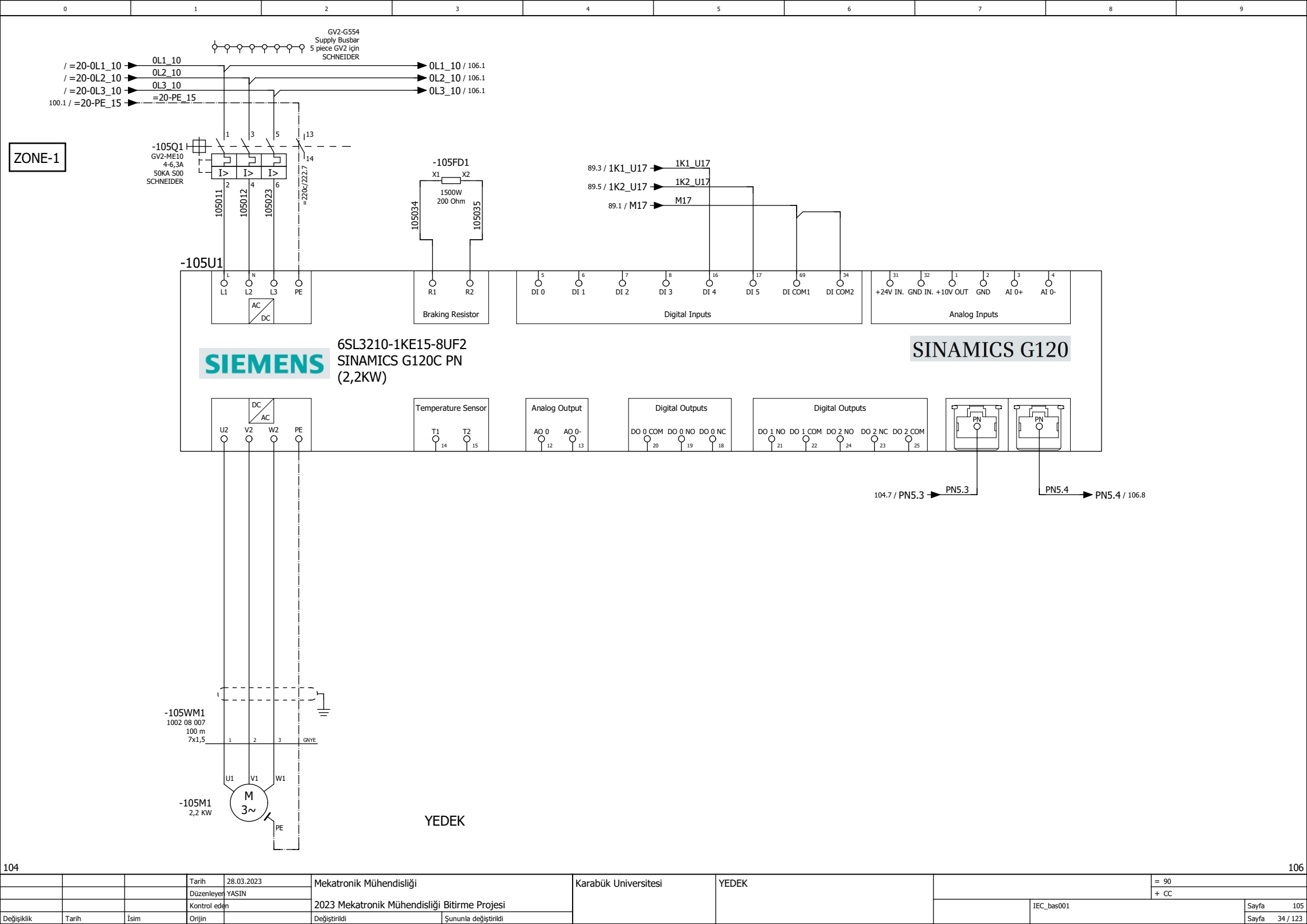
M
3~

Palet Çıkış Konveyör

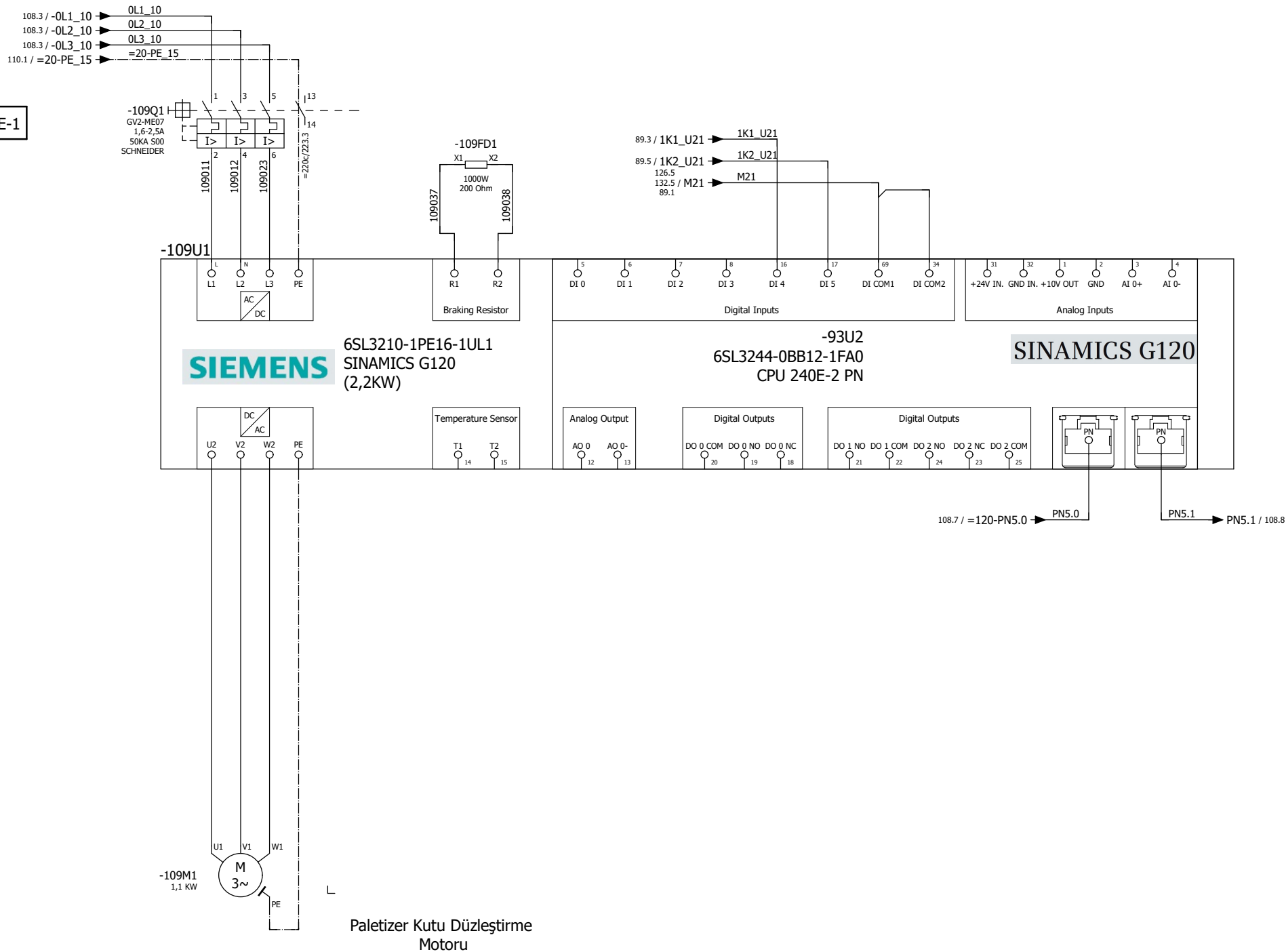
89.3 / 1K1_U15 → 1K1_U15
89.5 / 1K2_U15 → 1K2_U15
89.1 / M15 → M15

SINAMICS G120

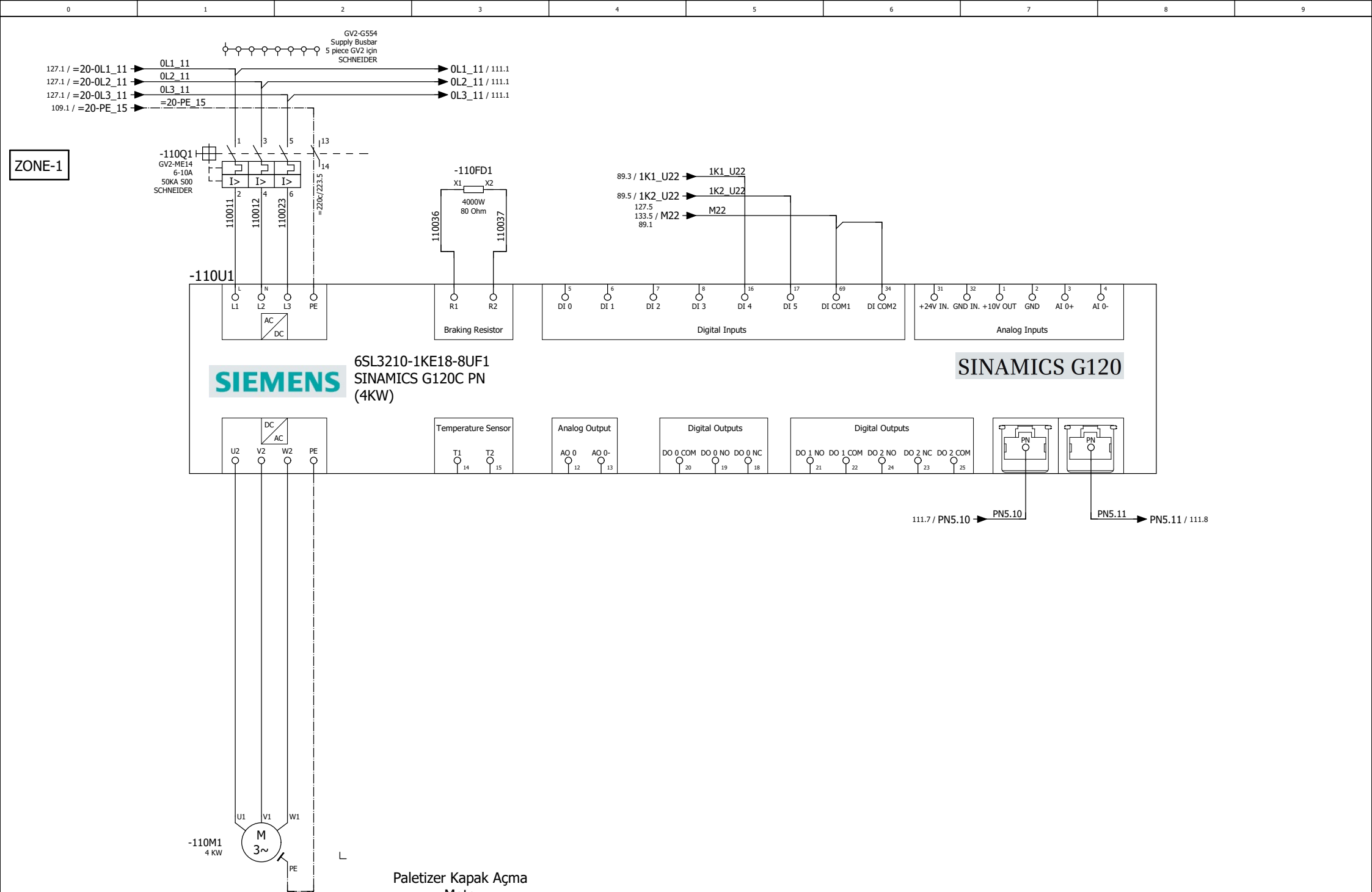
102.7 / PN5.3 → PN5.3
PN5.4 → PN5.4 / 104.8



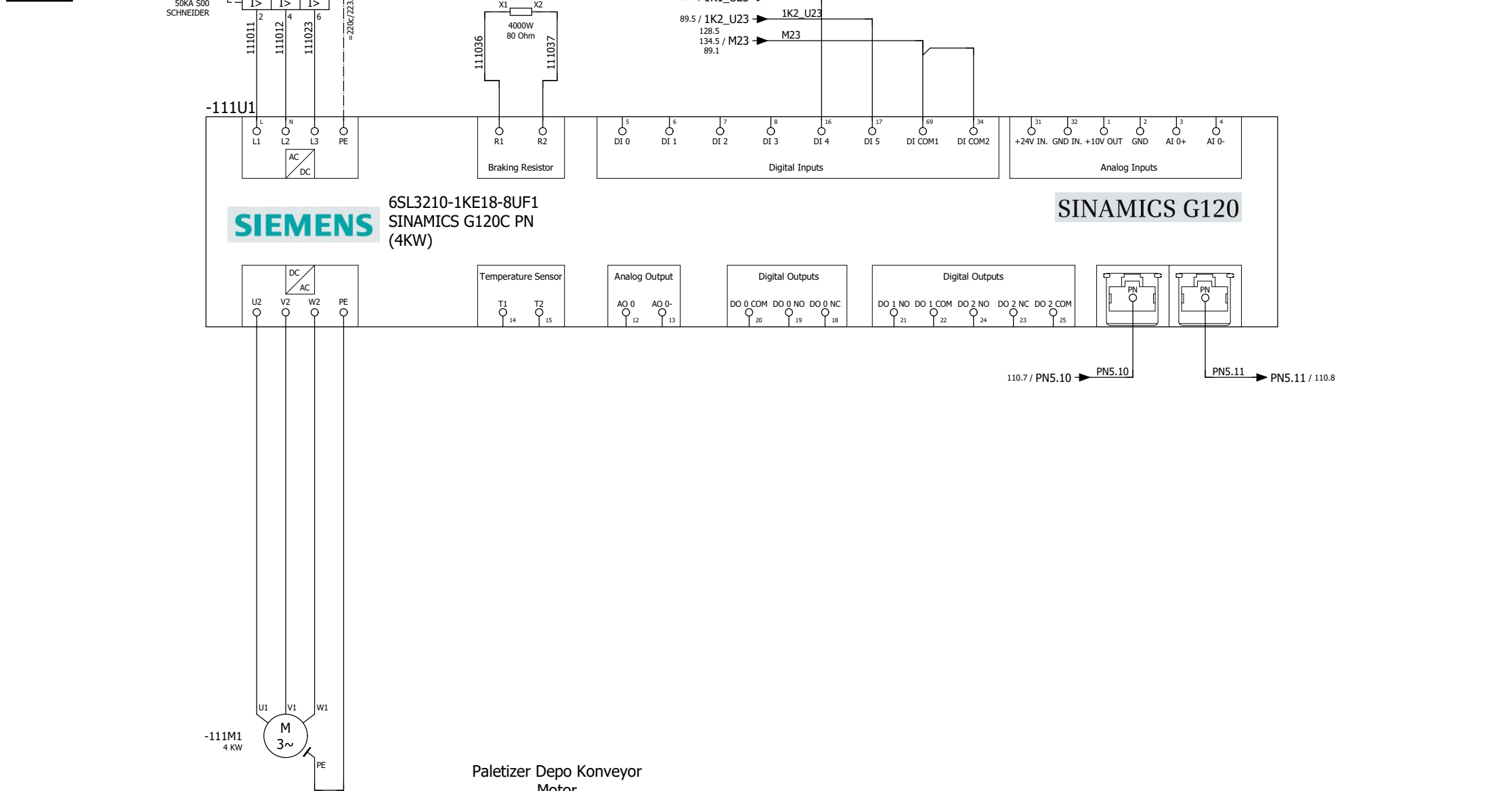
ZONE-1



			Tarih	28.03.2023	Mekatronik Mühendisliği	Karabük Üniversitesi	Paletizer-K Kutu Düzleştirme Motoru		= 90	
			Düzenleyen	YASIN					+ CC	
			Kontrol eden		2023 Mekatronik Mühendisliği Bitirme Projesi					Sayfa 109
Değişiklik	Tarih	İsim	Orjin		Değiştirildi	Şununla değiştirildi			IEC_bas001	Sayfa 38 / 122

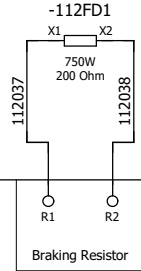
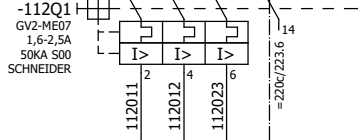


ZONE-1

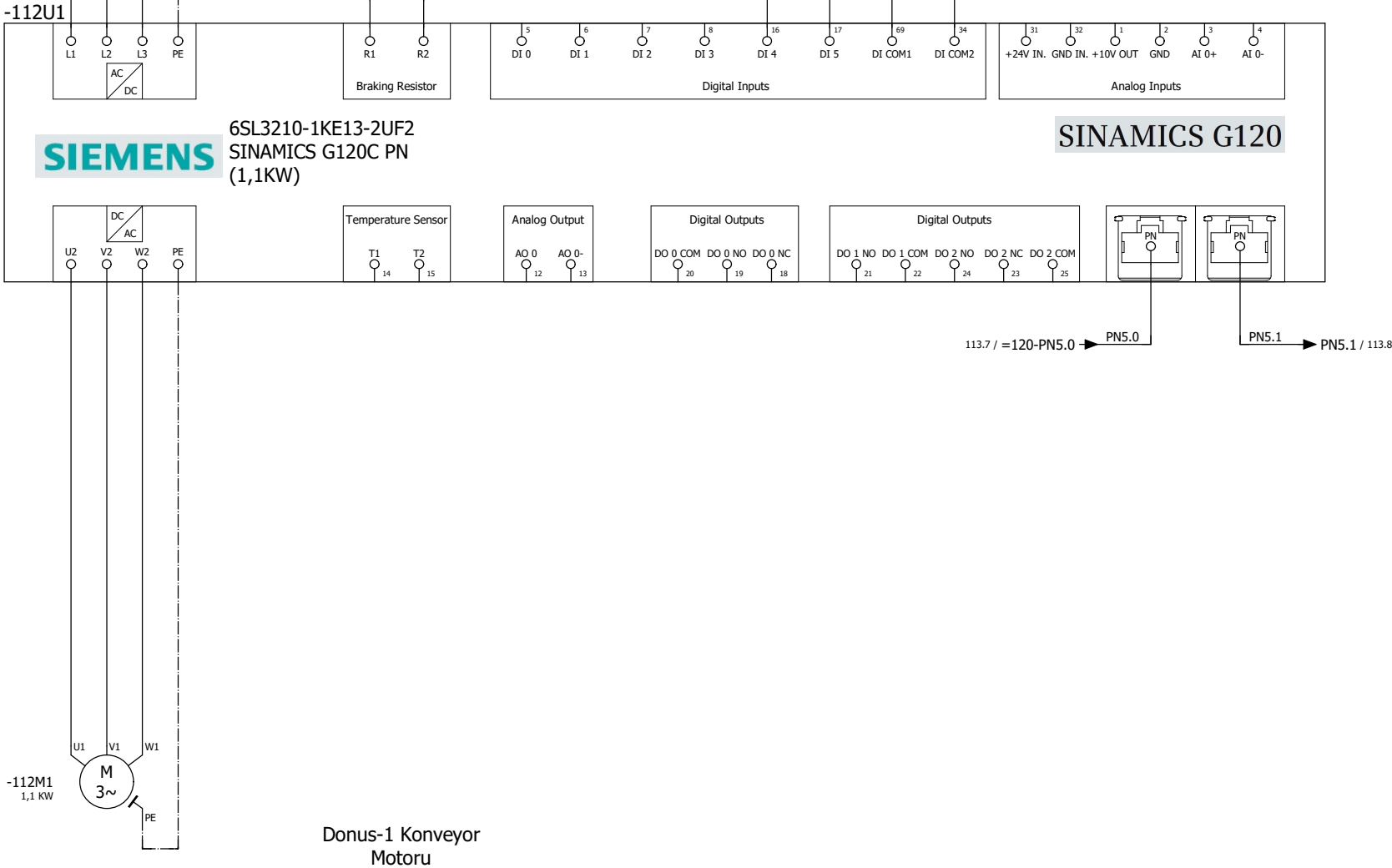


			Tarih	28.03.2023	Mekatronik Mühendisliği	Karabük Üniversitesi	Paletizer-K Depo Konveyör Motor		= 90	
			Düzenleyen	YASIN					+ CC	
			Kontrol eden		2023 Mekatronik Mühendisliği Bitirme Projesi					Sayfa 111
Değişiklik	Tarih	İsim	Orjijn		Değiştirildi	Şununla değiştirildi			IEC_bas001	Sayfa 40 / 122

111.3 / -OL1_11 → OL1_11
 111.3 / -OL2_11 → OL2_11
 111.3 / -OL3_11 → OL3_11
 111.1 / =20-PE_15 → =20-PE_15

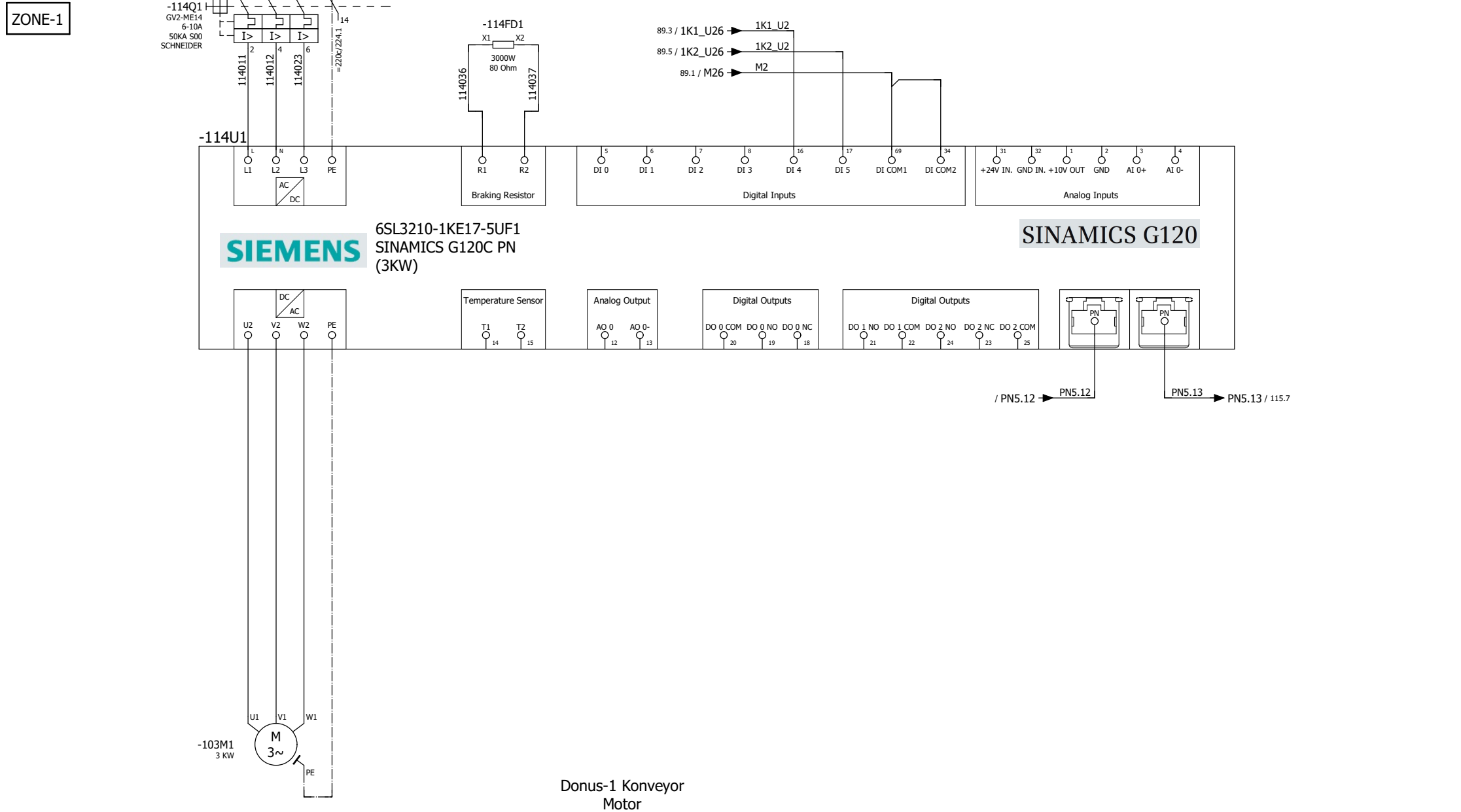


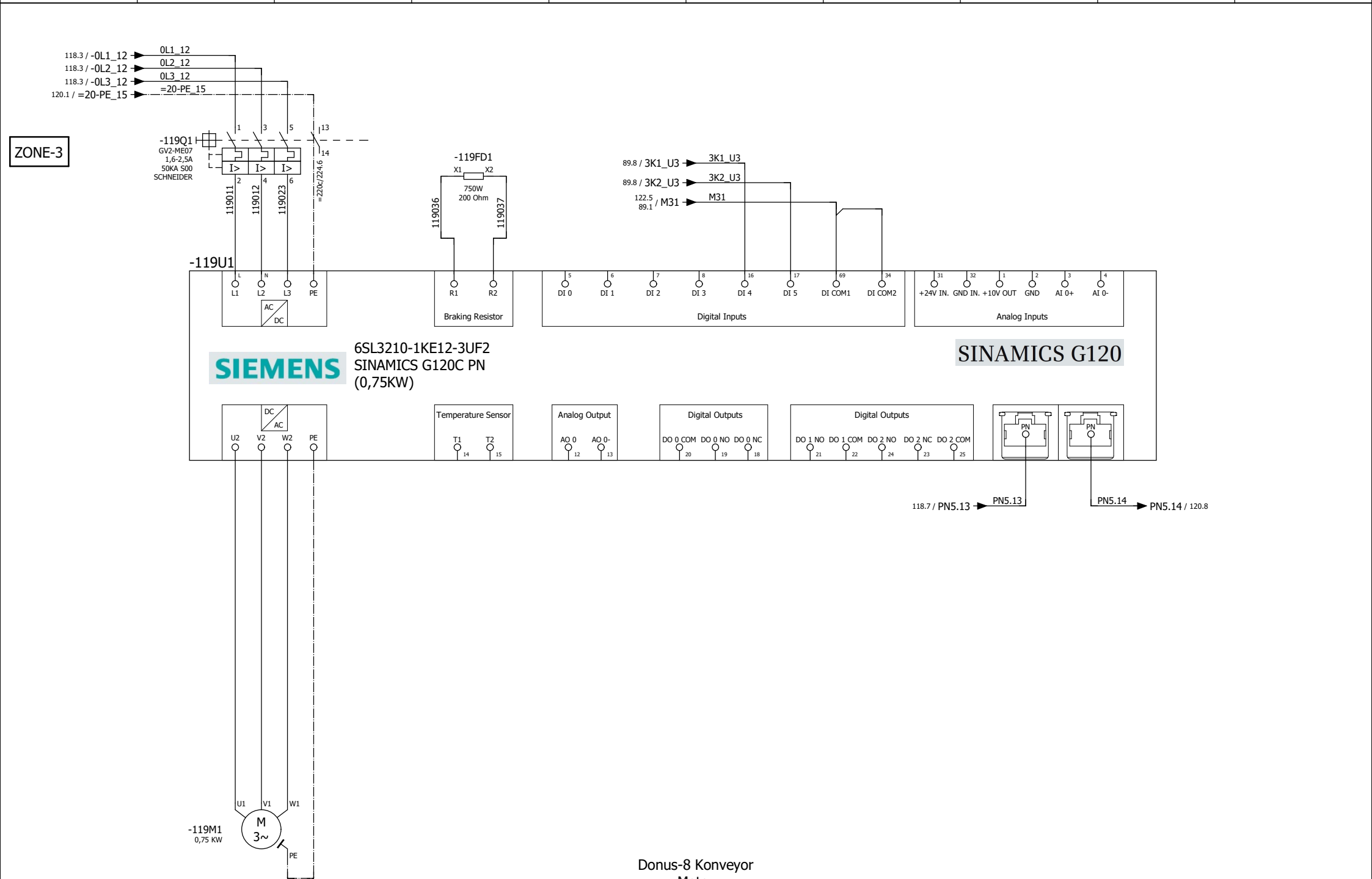
89.3 / 1K1_U24 → 1K1_U24
 89.5 / 1K2_U24 → 1K2_U24
 89.1 / M24 → M24



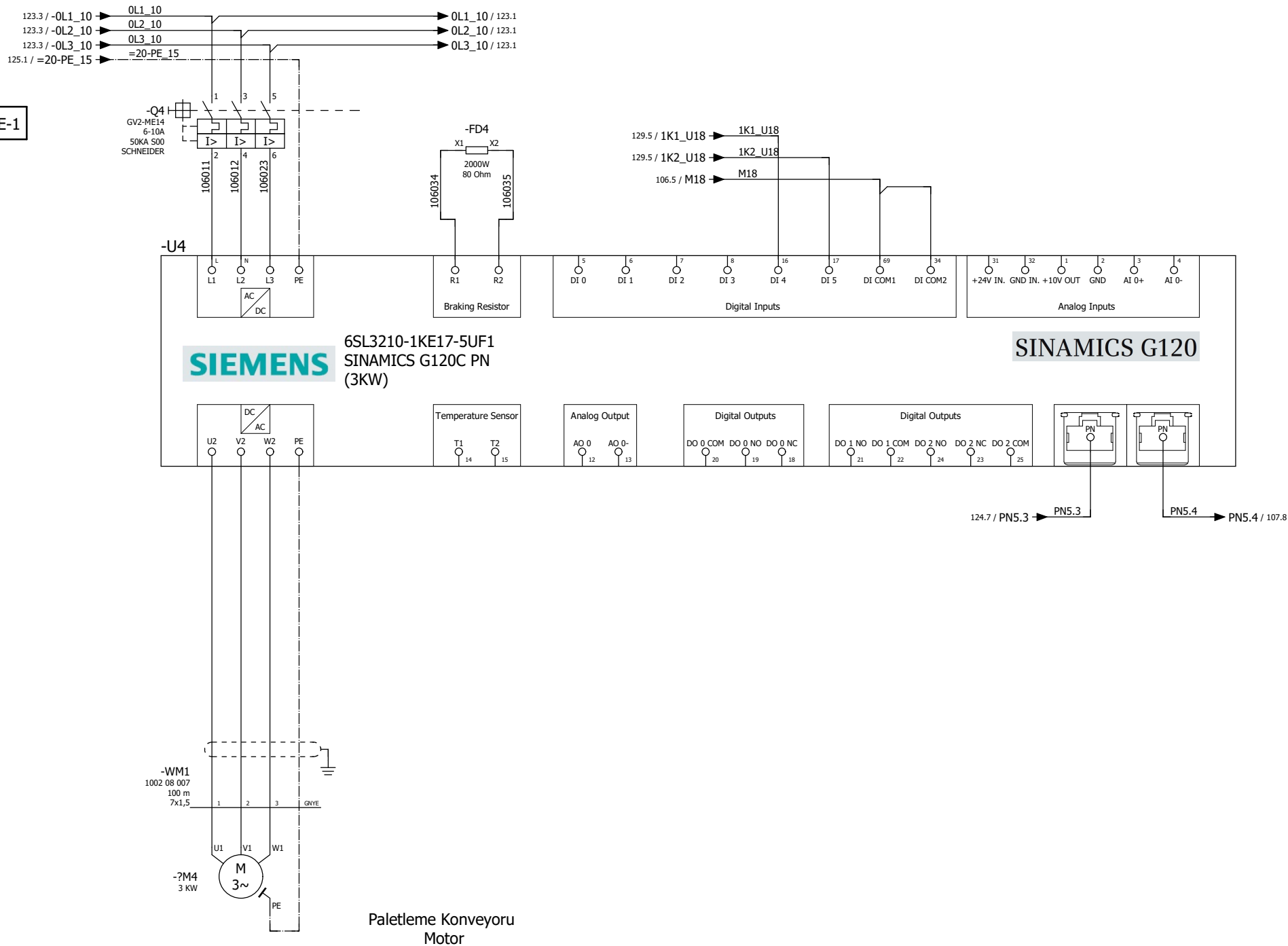
Donus-1 Konveyör Motoru

ZONE-1





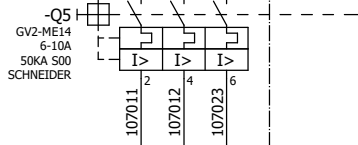
ZONE-1



			Tarih	28.03.2023	Mekatronik Mühendisliği	Karabük Üniversitesi	Paletleme-O Konveyoru Motor		= 90	
			Düzenleyen	YASIN					+ CC	
			Kontrol eden		2023 Mekatronik Mühendisliği Bitirme Projesi					Sayfa 123
Değişiklik	Tarih	İsim	Orjin		Değiştirildi	Şununla değiştirildi			IEC_bas001	Sayfa 52 / 124

124.3 / -OL1_10 → OL1_10
 124.3 / -OL2_10 → OL2_10
 124.3 / -OL3_10 → OL3_10
 107.1 / -PE_15 → =20-PE_15

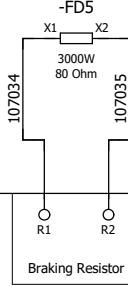
ZONE-1



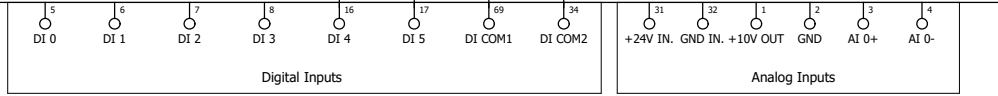
-U5

SIEMENS

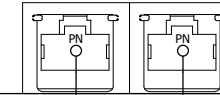
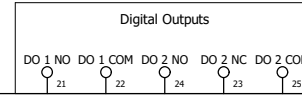
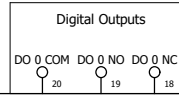
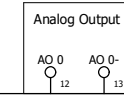
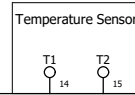
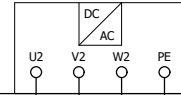
6SL3210-1KE17-5UF1
 SINAMICS G120C PN
 (3KW)



130.5 / 1K1_U19 → 1K1_U19
 130.5 / 1K2_U19 → 1K2_U19
 107.5 / M19 → M19



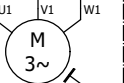
SINAMICS G120



123.7 / PN5.3 → PN5.3
 PN5.4 → PN5.4 / 129.8

-WM2
 1002 08 007
 100 m
 7x1,5

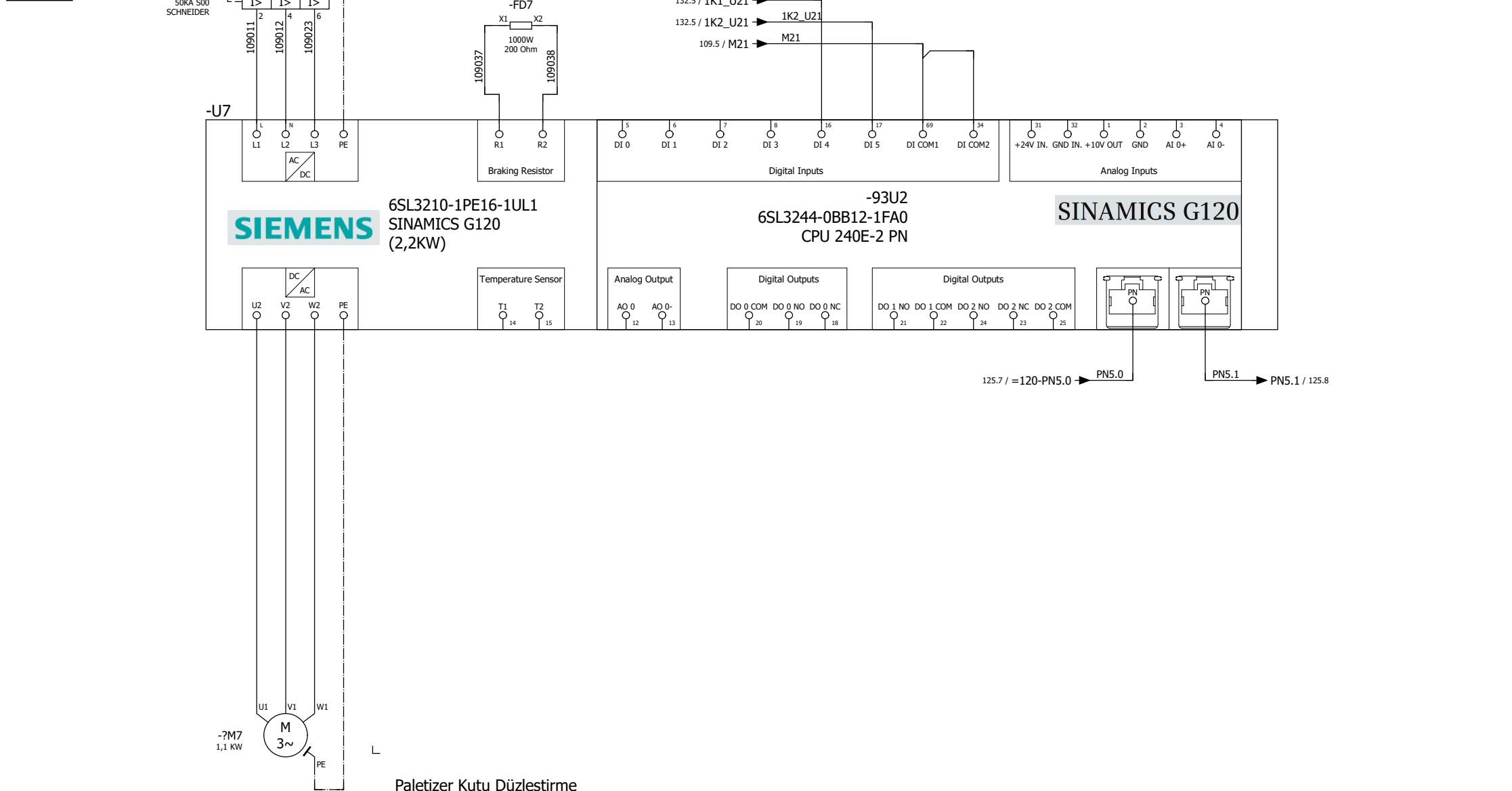
-?M5
 3 KW

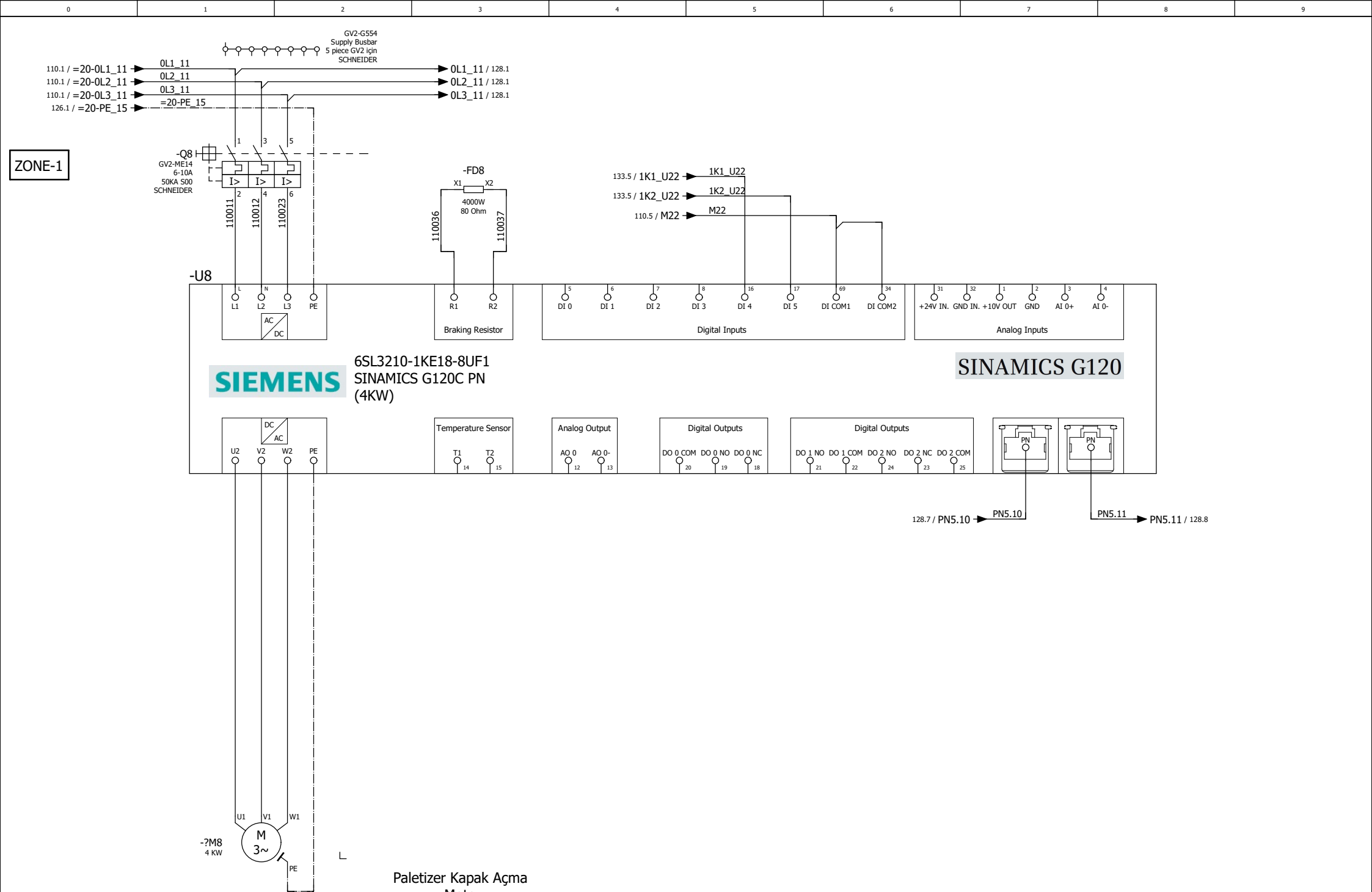


Paletizer Üst Konveyör
 Motor

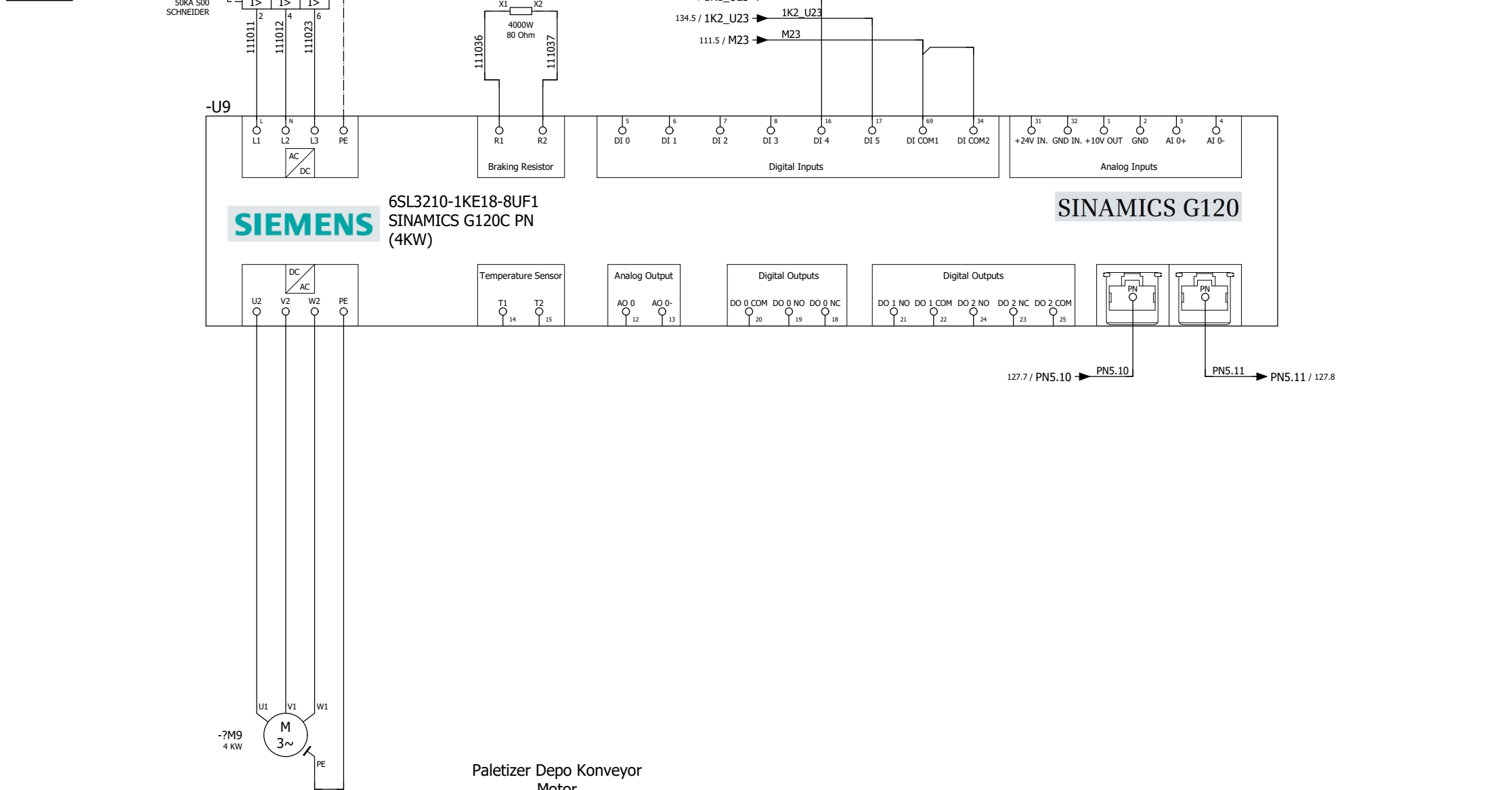
			Tarih	28.03.2023	Mekatronik Mühendisliği	Karabük Üniversitesi	Paletizer-O Üst Konveyör Motor	= 90		
			Düzenleyen	YASIN				+ CC		
			Kontrol eden		2023 Mekatronik Mühendisliği Bitirme Projesi				Sayfa	124
Değişiklik	Tarih	İsim	Orjin	Değiştirildi	Şununla değiştirildi			IEC_bas001	Sayfa	53 / 124

ZONE-1



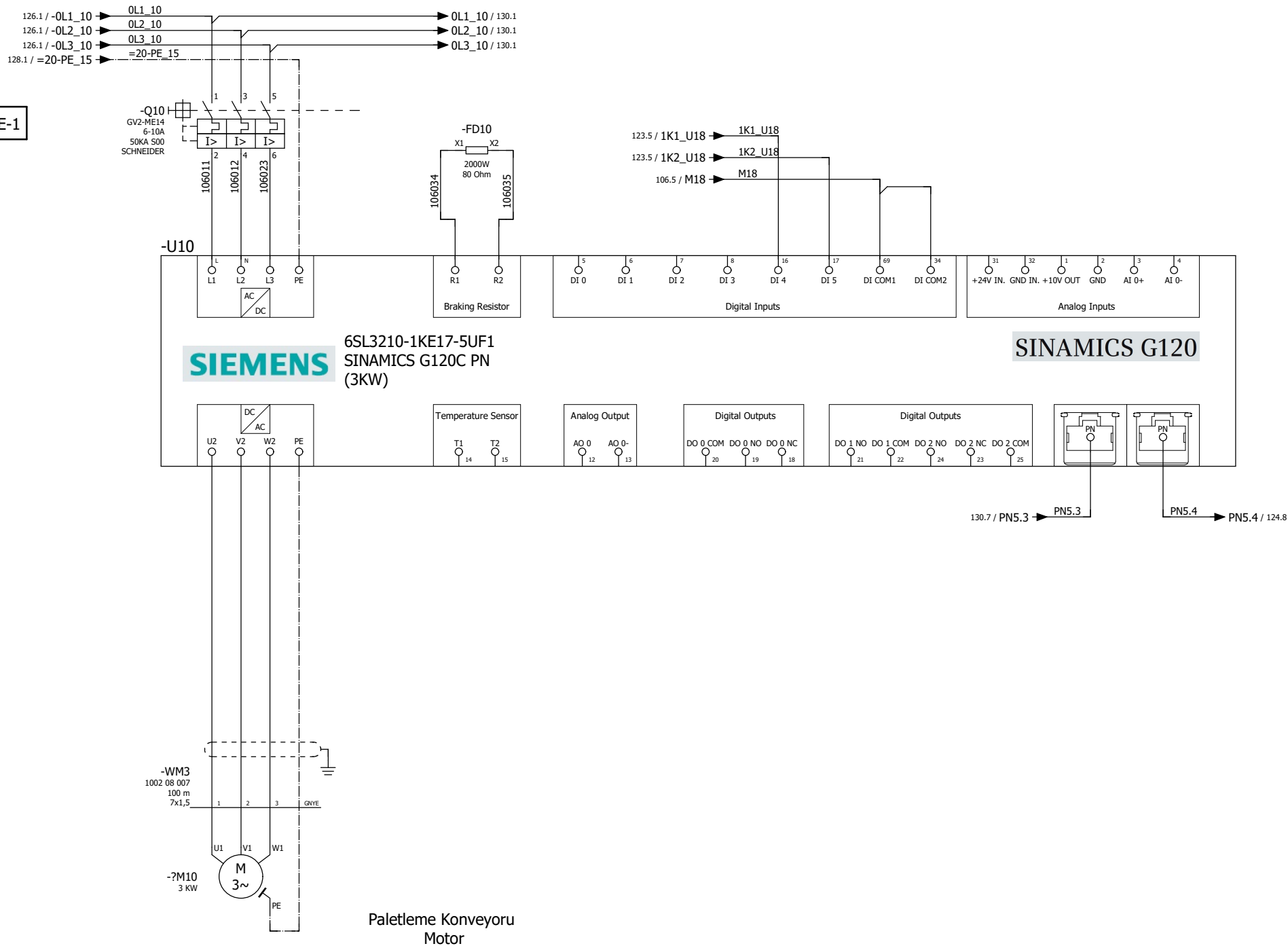


ZONE-1

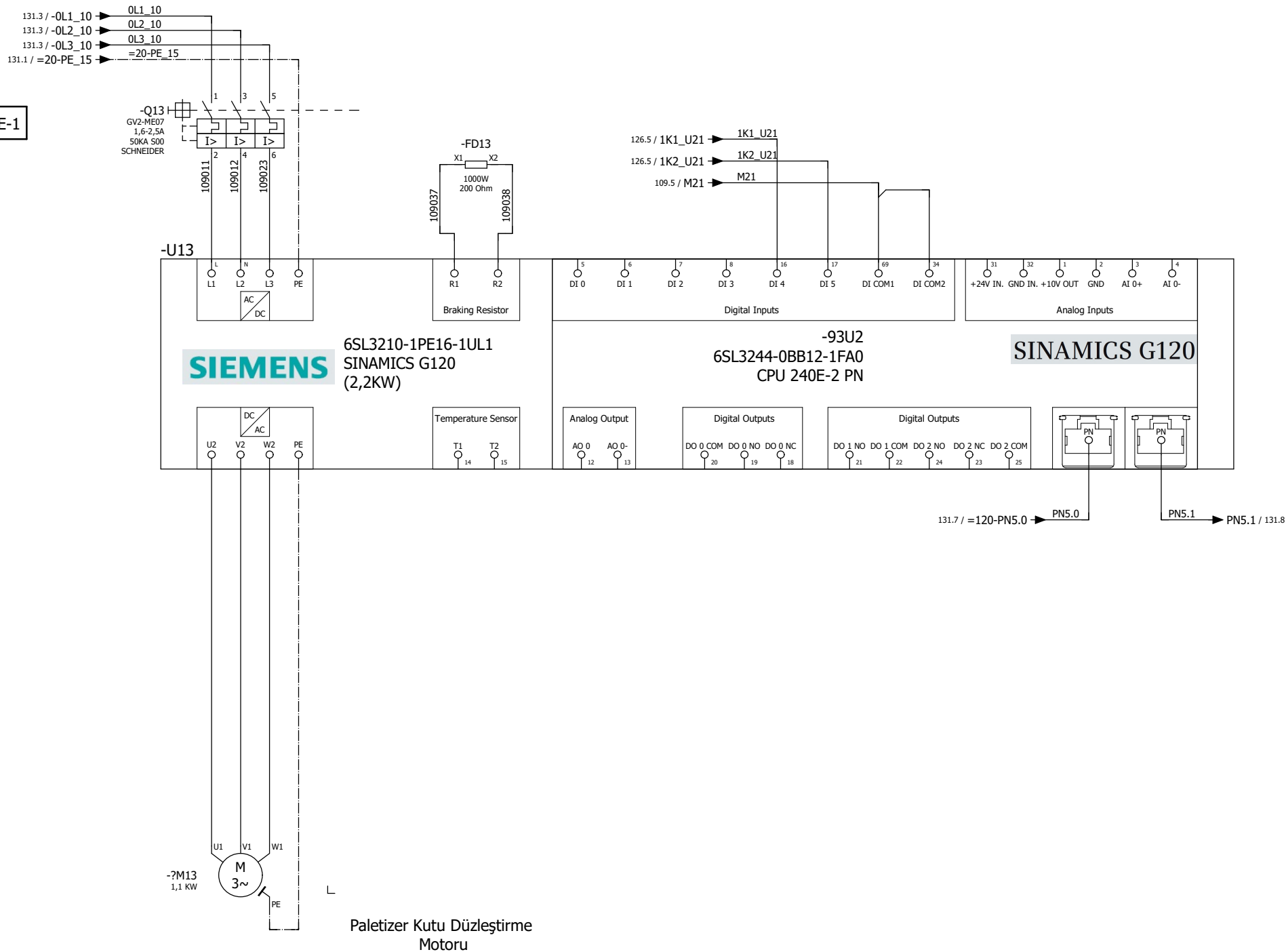


			Tarih	28.03.2023	Mekatronik Mühendisliği	Karabük Üniversitesi	Paletizer-O Depo Konveyör Motor		= 90	
			Düzenleyen	YASIN					+ CC	
			Kontrol eden		2023 Mekatronik Mühendisliği Bitirme Projesi					Sayfa 128
Değişiklik	Tarih	İsim	Orjın		Değiştirildi	Şununla değiştirildi			IEC_bas001	Sayfa 57 / 129

ZONE-1

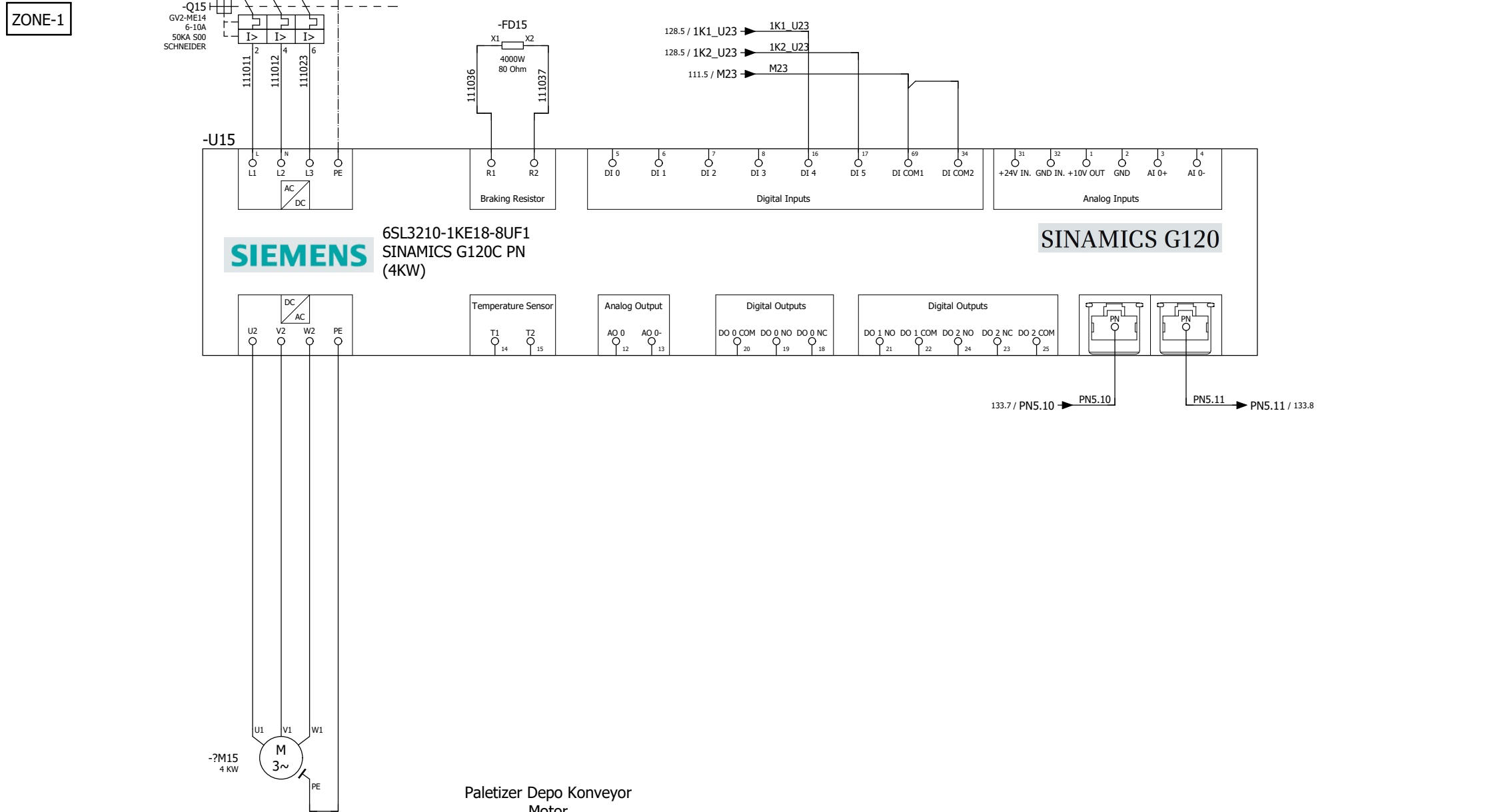


ZONE-1

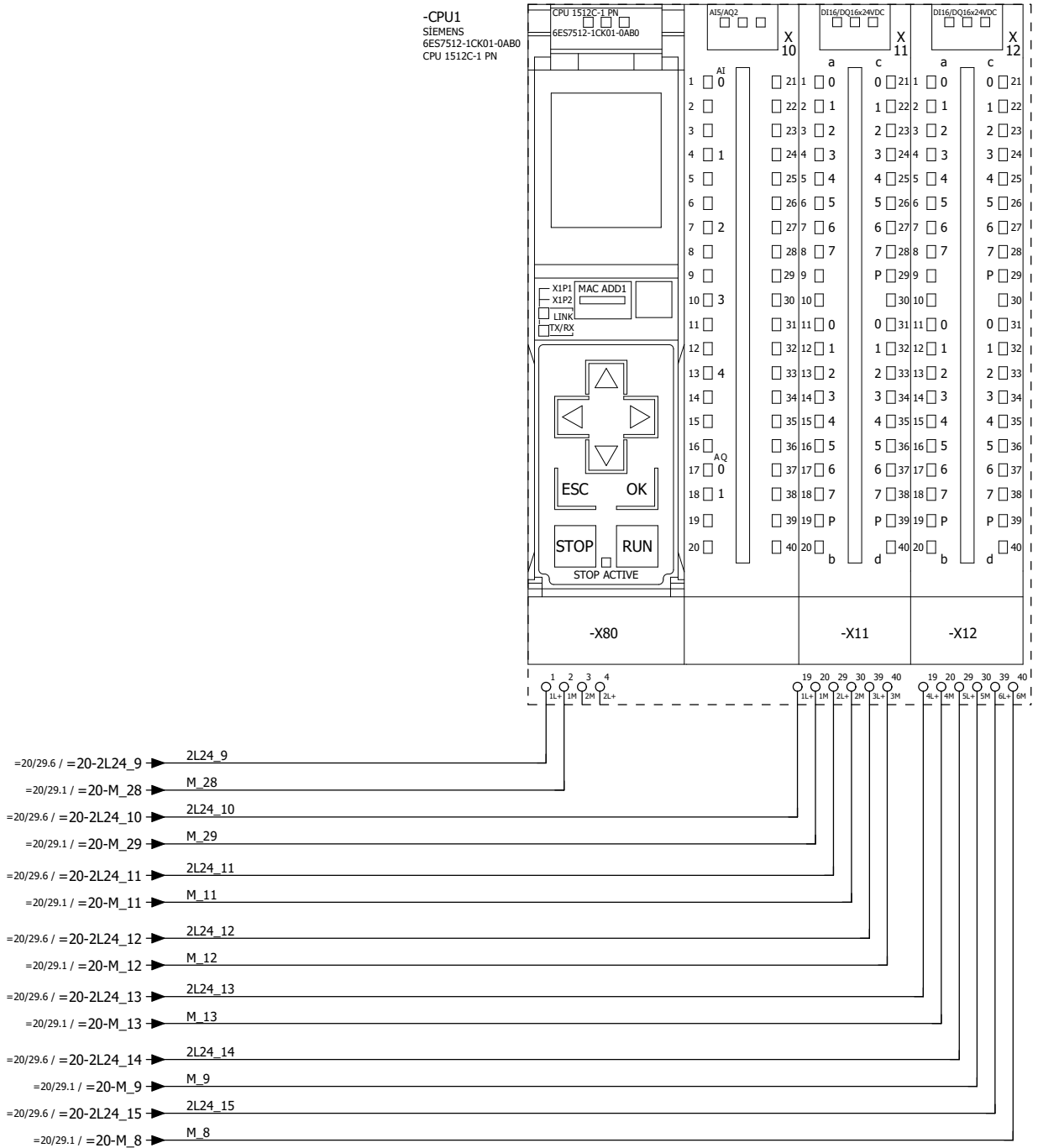


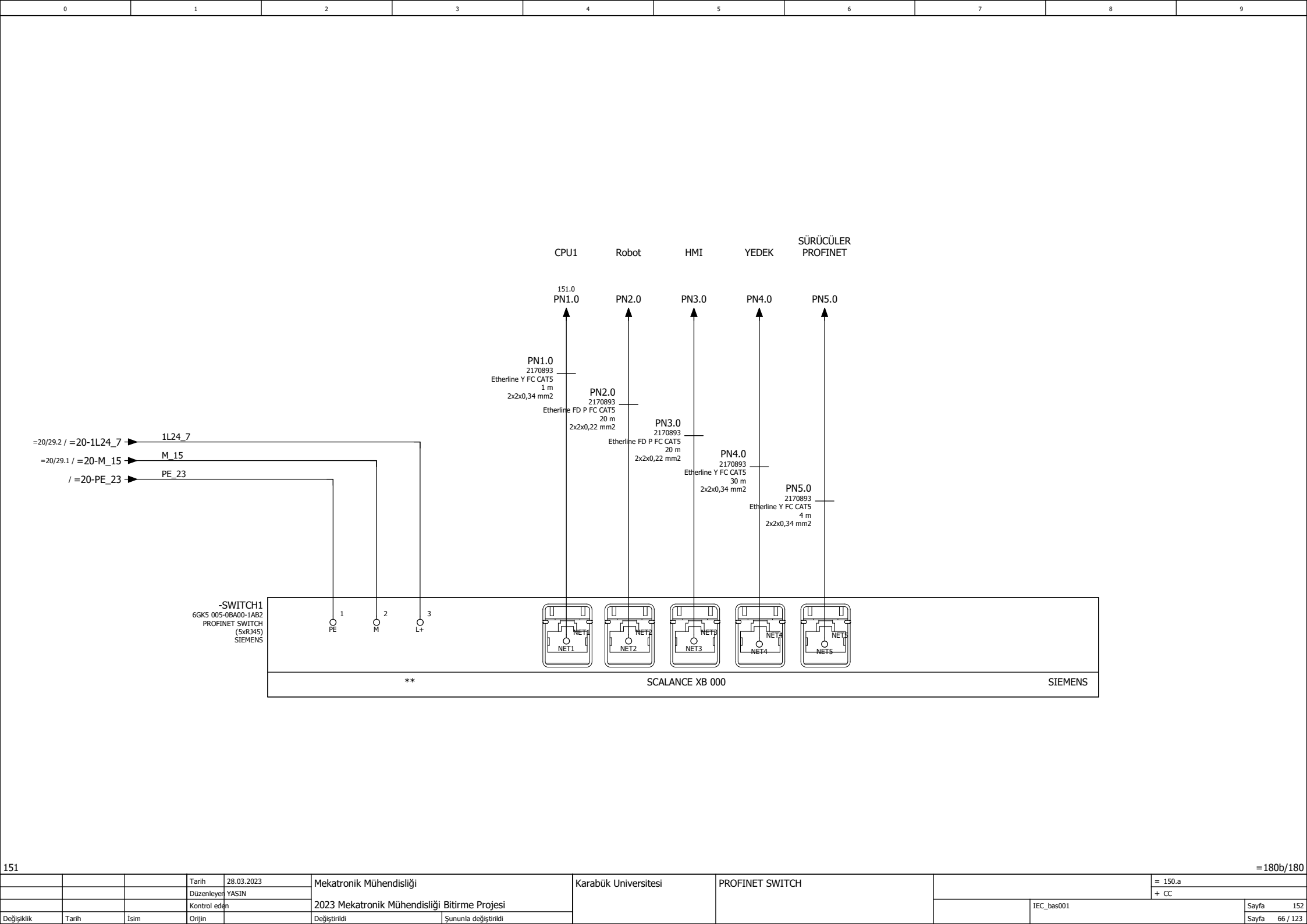
			Tarih	28.03.2023	Mekatronik Mühendisliği	Karabük Üniversitesi	Paletizer-B Kutu Düzleştirme Motoru		= 90	
			Düzenleyen	YASIN					+ CC	
			Kontrol eden		2023 Mekatronik Mühendisliği Bitirme Projesi					Sayfa 132
Değişiklik	Tarih	İsim	Orjin		Değiştirildi	Şununla değiştirildi			IEC_bas001	Sayfa 61 / 123

ZONE-1

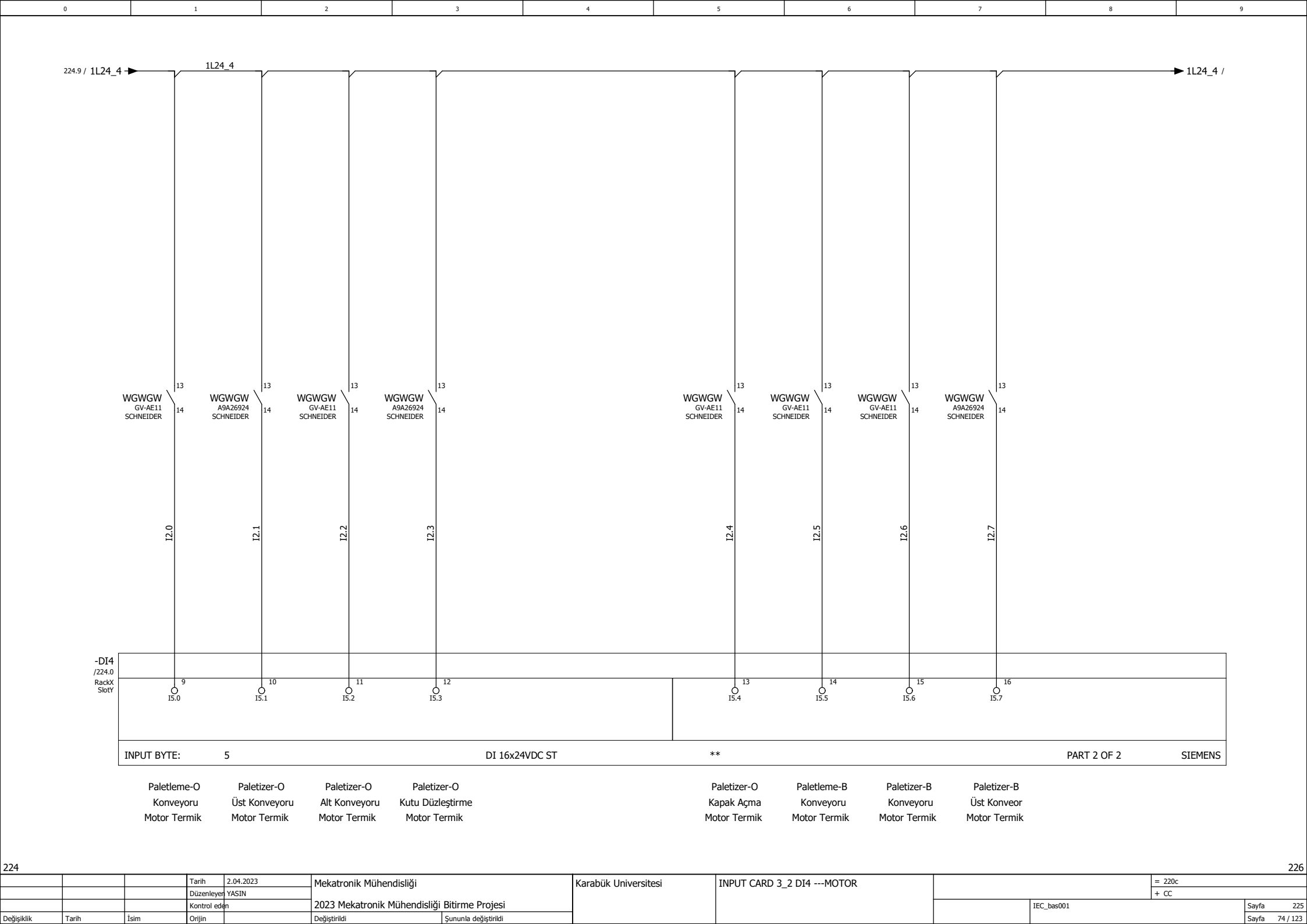


			Tarih	28.03.2023	Mekatronik Mühendisliği	Karabük Üniversitesi	Paletizer-B Depo Konveyör Motor		= 90	
			Düzenleyen	YASIN					+ CC	
			Kontrol eden		2023 Mekatronik Mühendisliği Bitirme Projesi					Sayfa 134
Değişiklik	Tarih	İsim	Orjın		Değiştirildi	Şununla değiştirildi			IEC_bas001	Sayfa 63 / 124

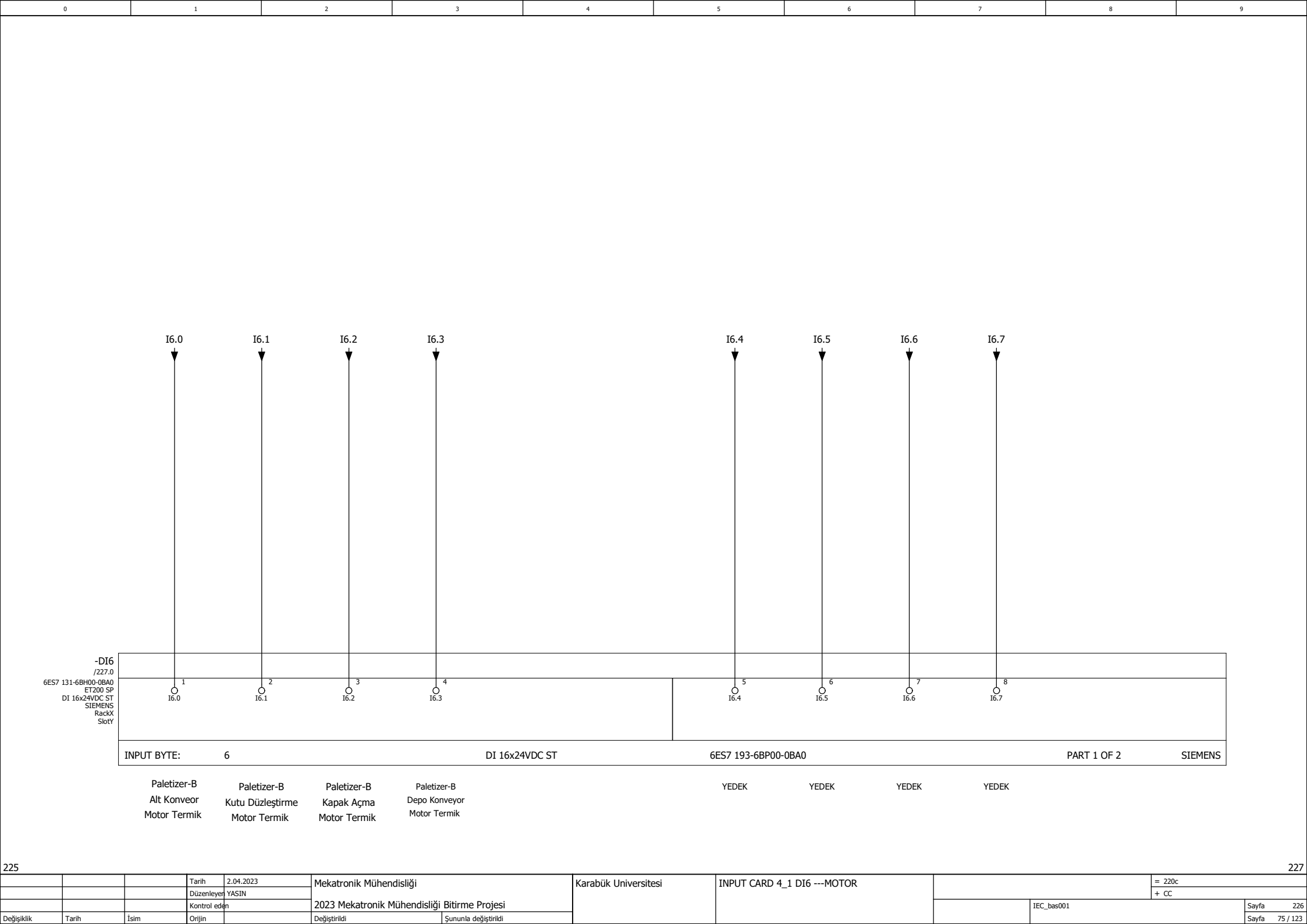


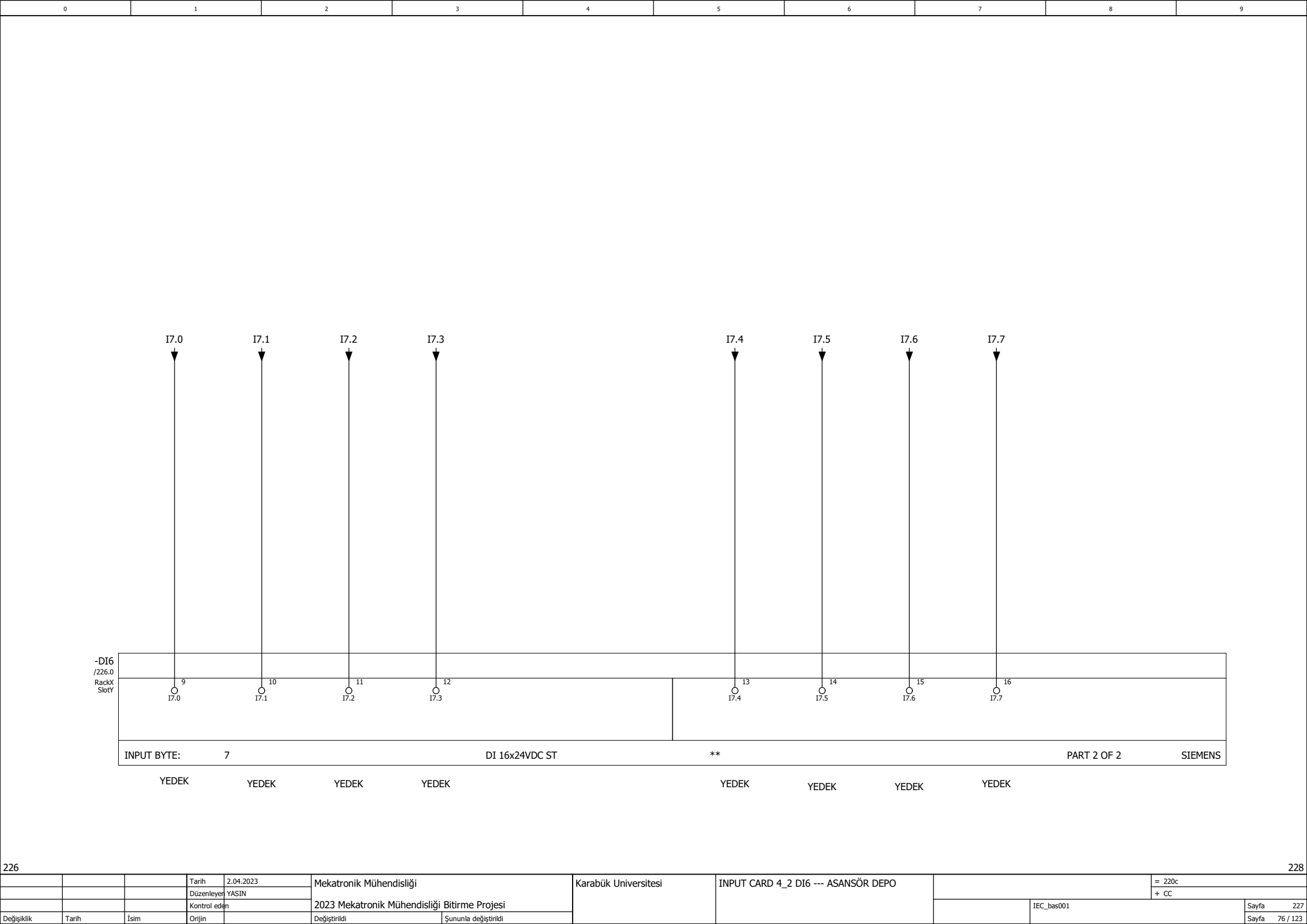




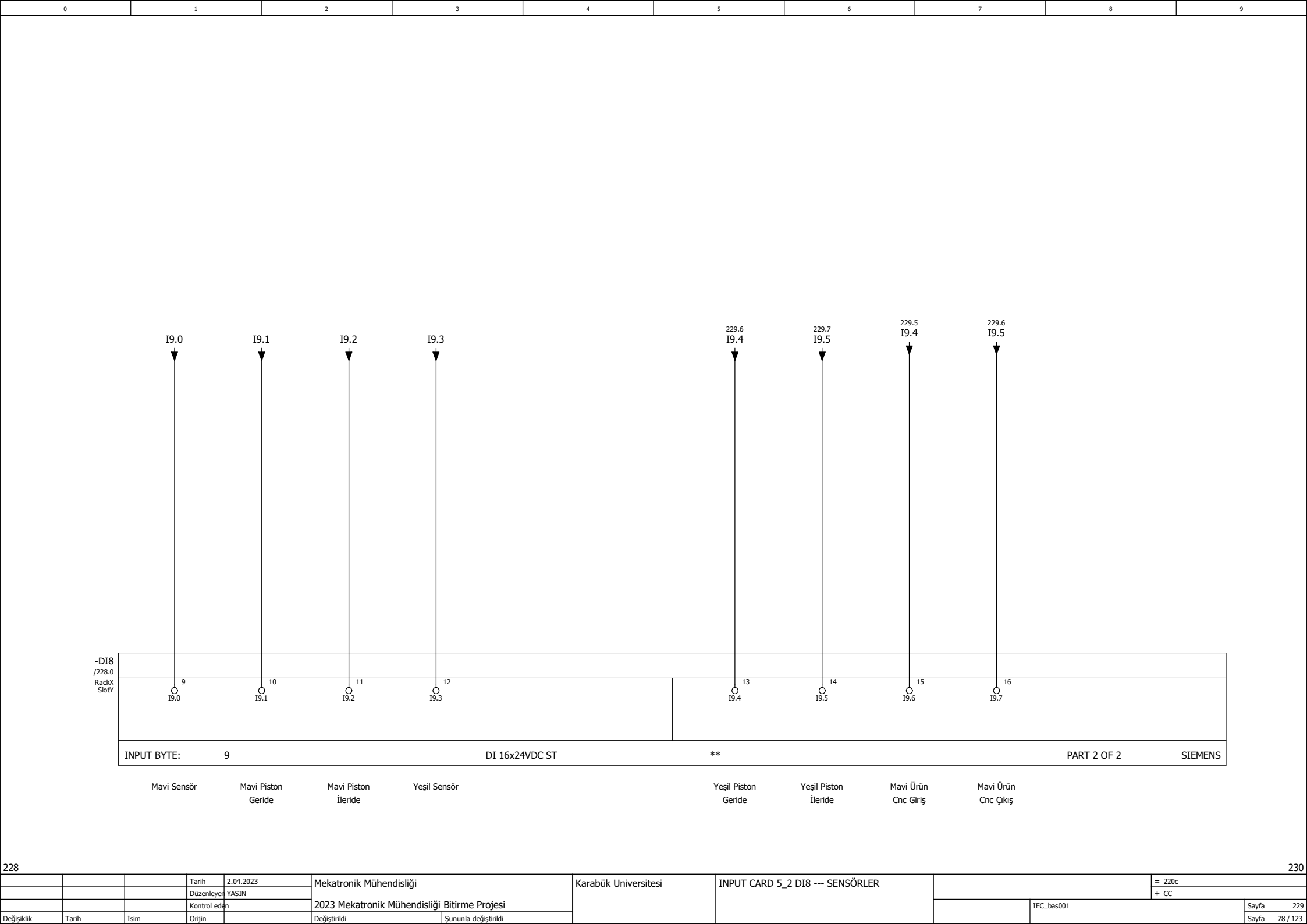


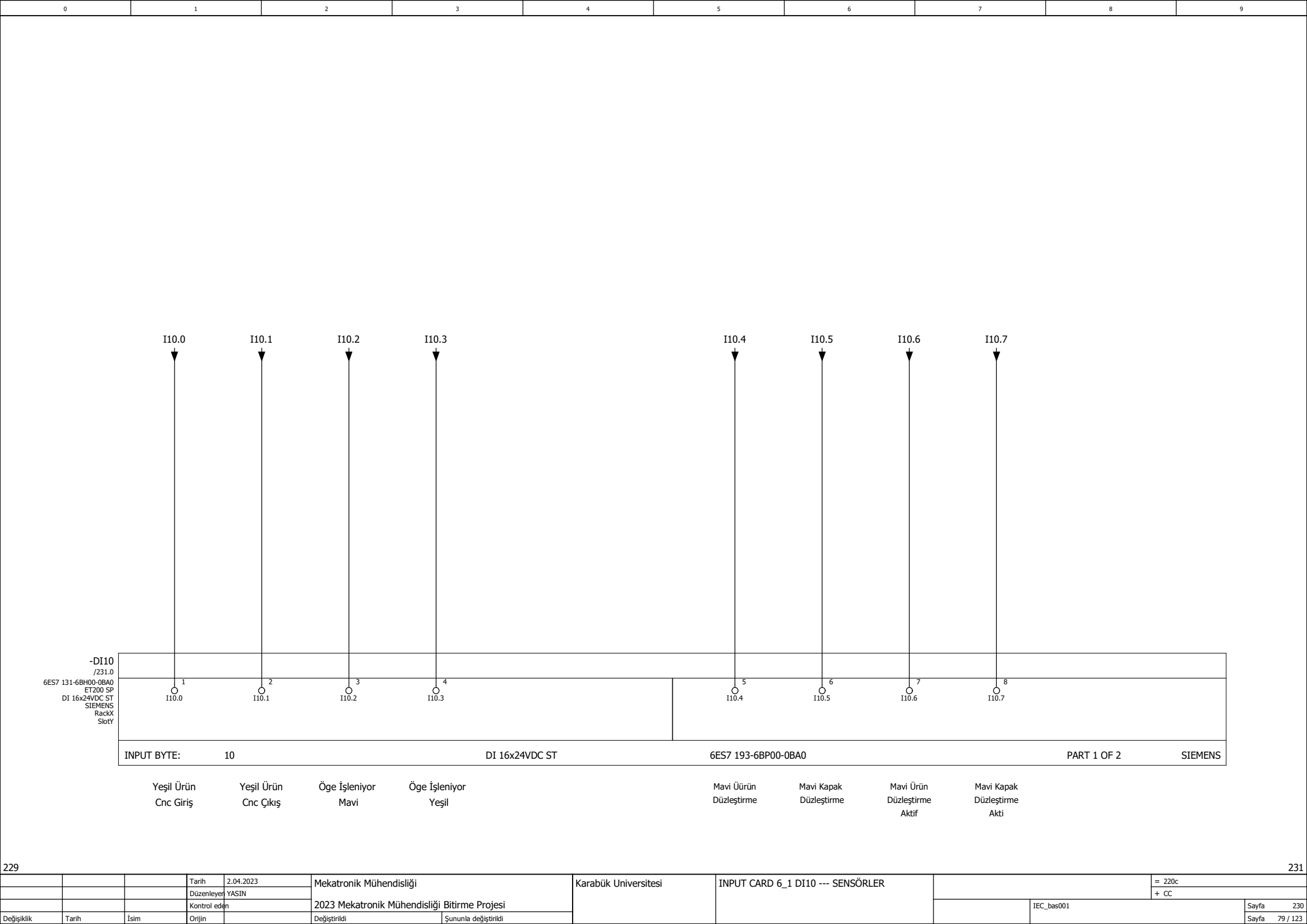
			Tarih	2.04.2023	Mekatronik Mühendisliği	Karabük Üniversitesi	INPUT CARD 3_2 DI4 ---MOTOR		= 220c		
			Düzenleyen	YASIN					+ CC		
			Kontrol eden		2023 Mekatronik Mühendisliği Bitirme Projesi					Sayfa	225
Değişiklik	Tarih	İsim	Orjin		Değiştirildi	Şununla değiştirildi			IEC_bas001	Sayfa	74 / 126



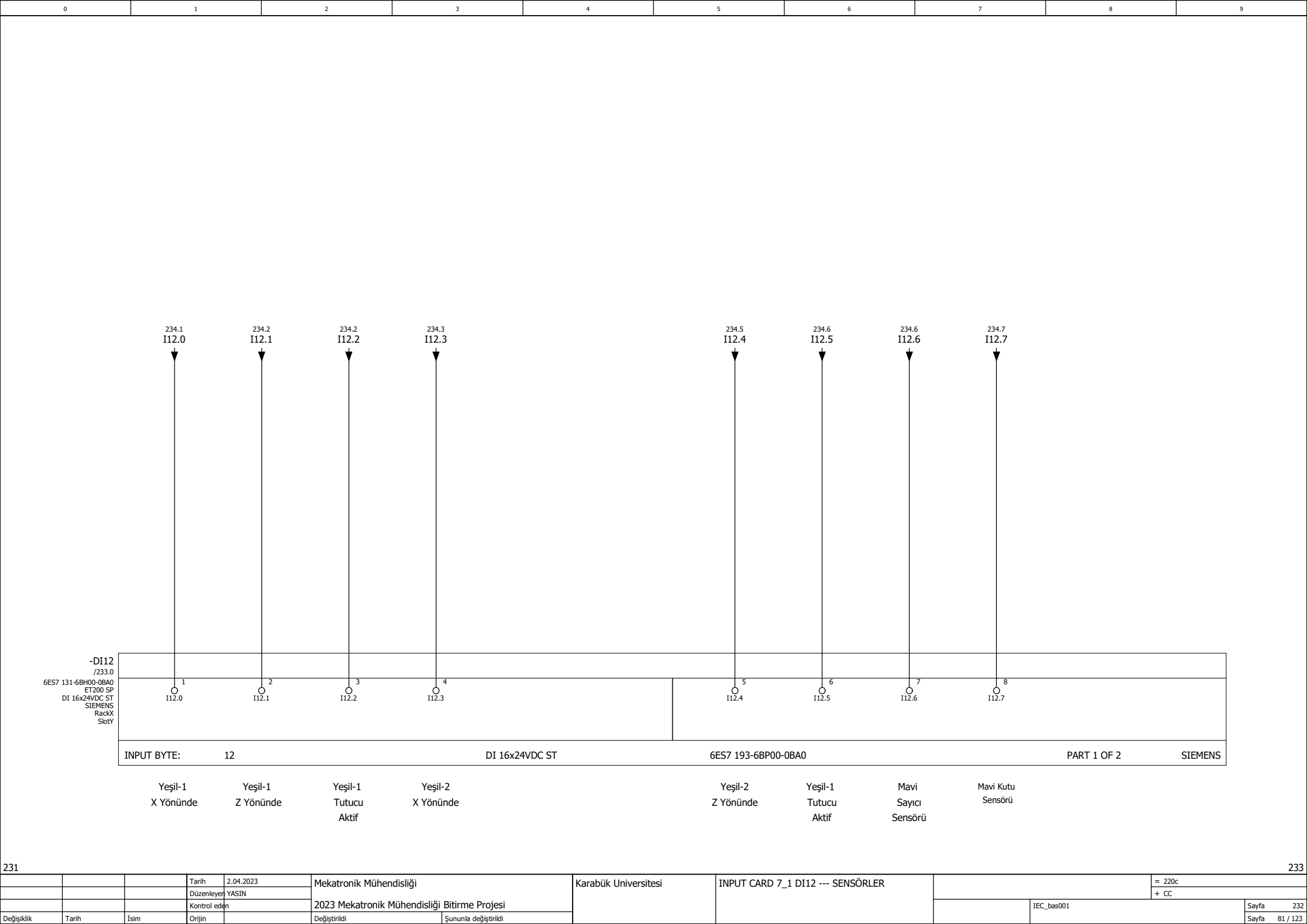


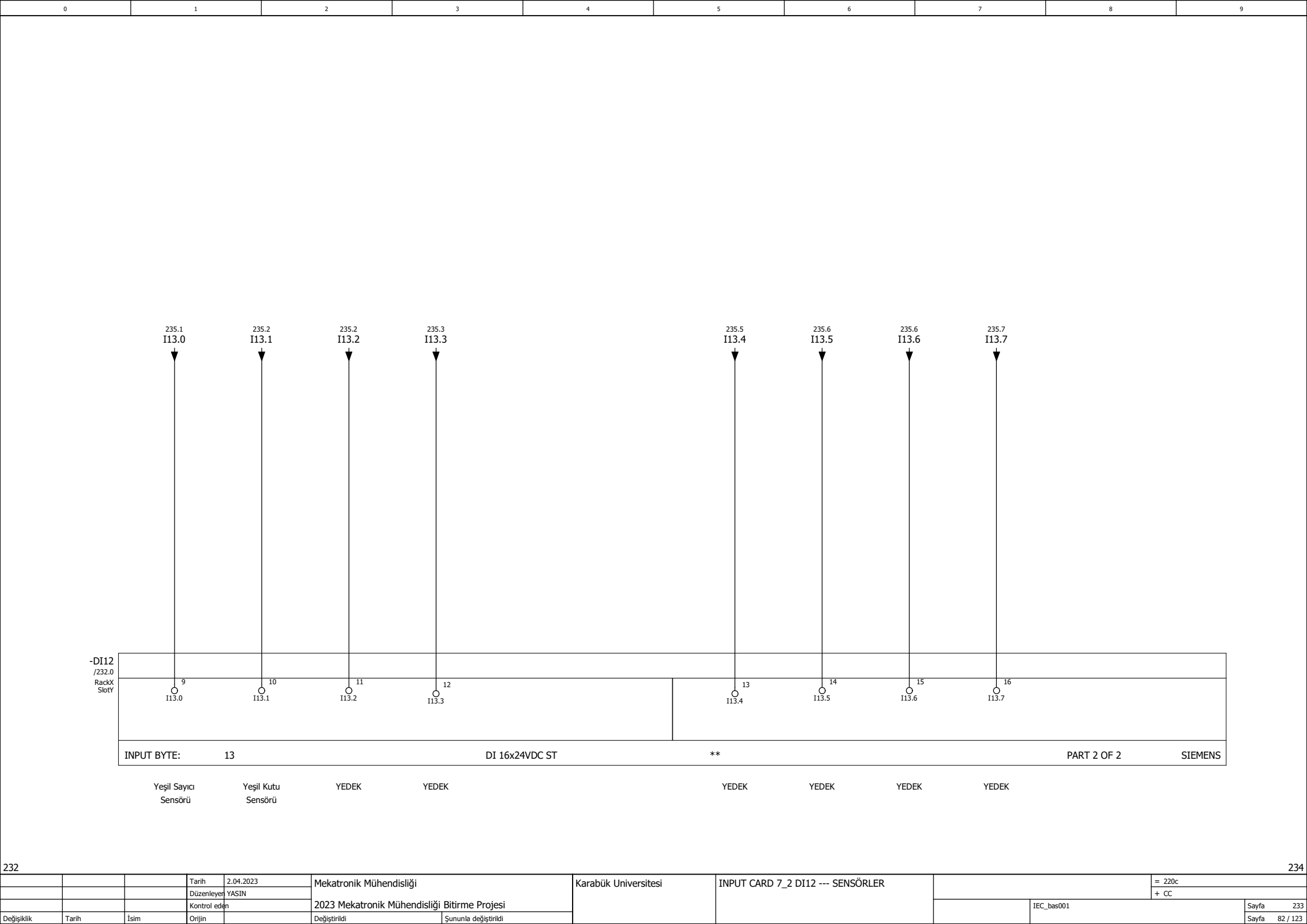


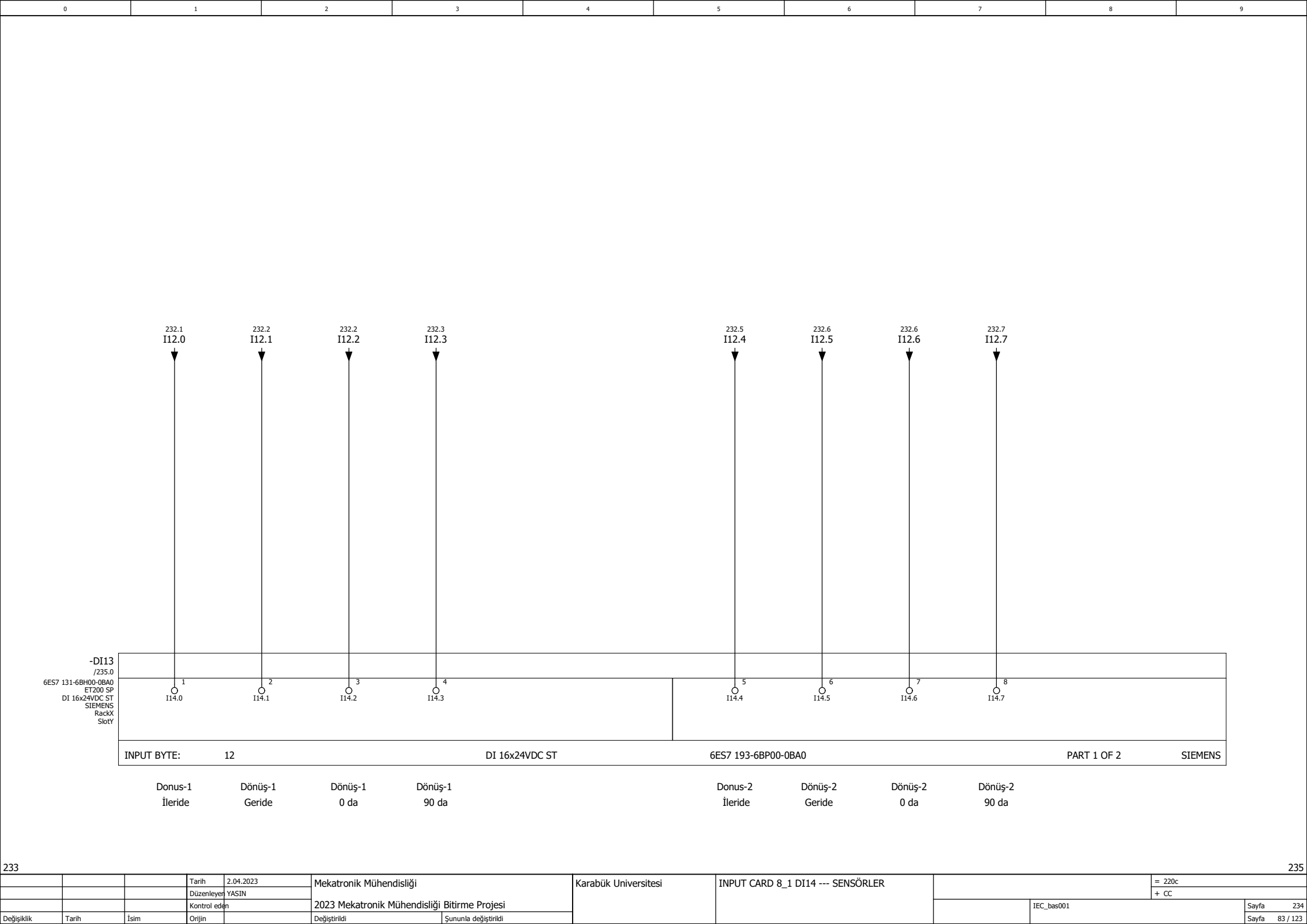


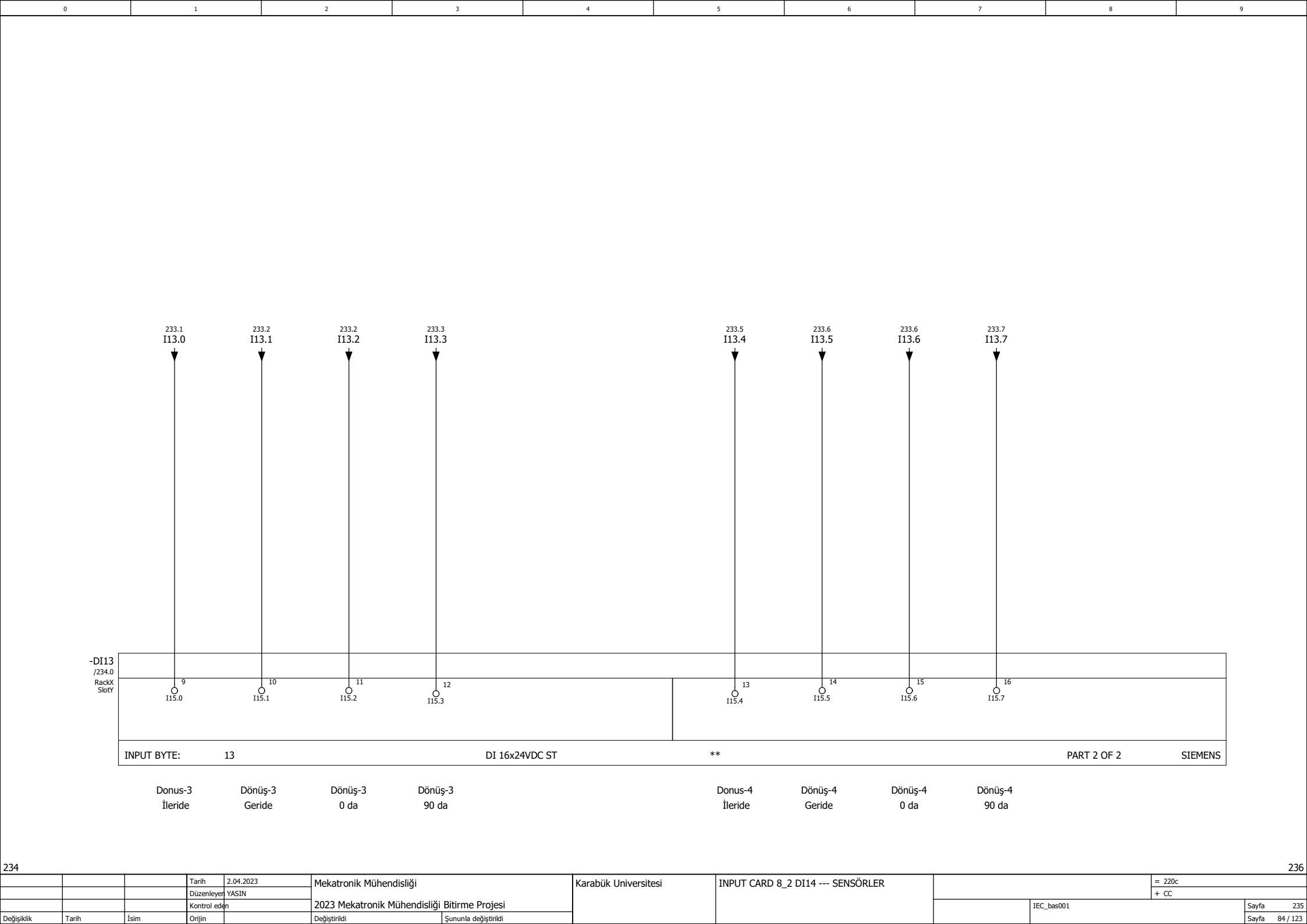


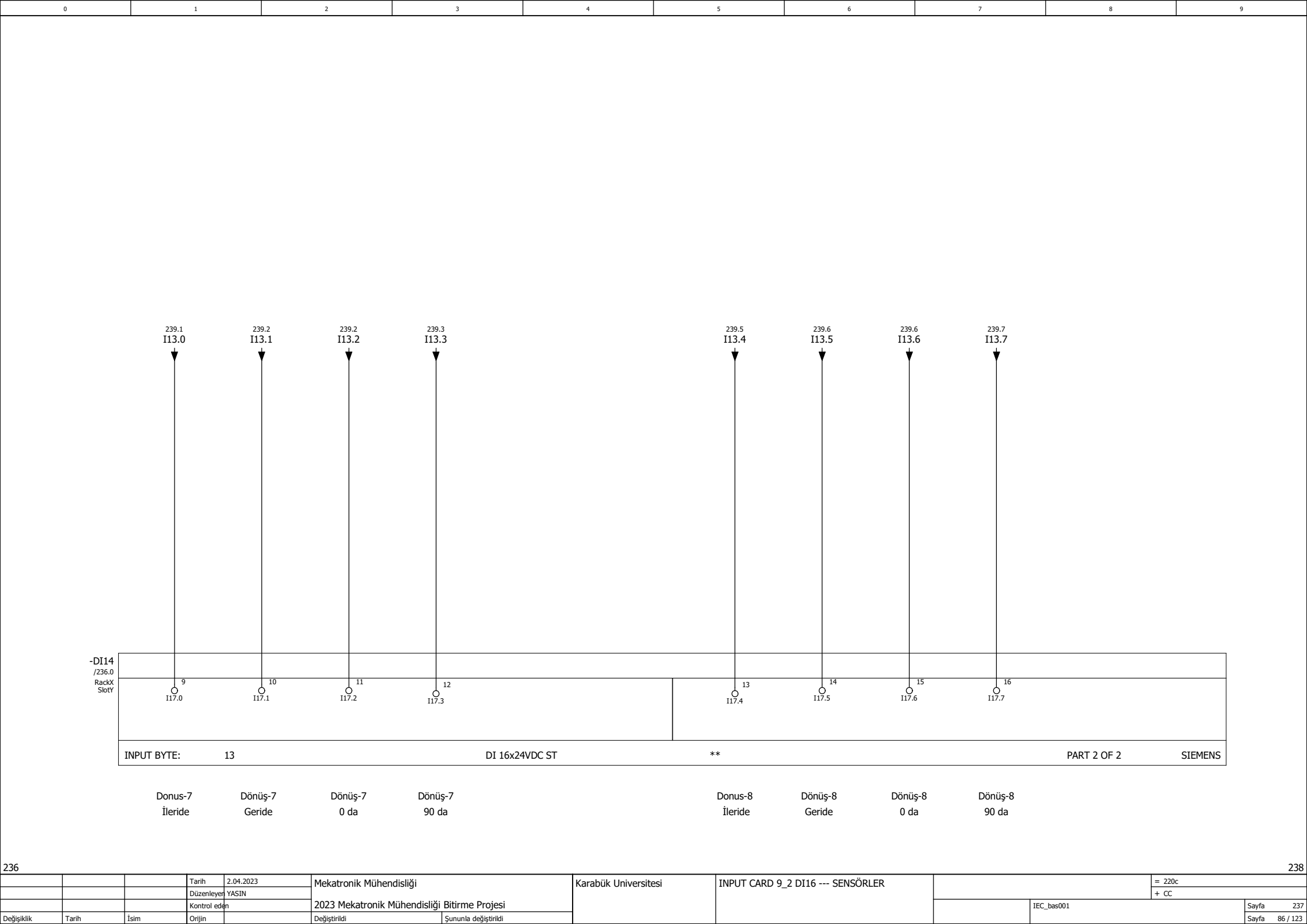
			Tarih	2.04.2023	Mekatronik Mühendisliği	Karabük Üniversitesi	INPUT CARD 6_1 DI10 --- SENSÖRLER		= 220c		
			Düzenleyen	YASIN					+ CC		
			Kontrol eden		2023 Mekatronik Mühendisliği Bitirme Projesi					Sayfa	230
Değişiklik	Tarih	İsim	Orjin		Değiştirildi	Şununla değiştirildi			IEC_bas001	Sayfa	79 / 123



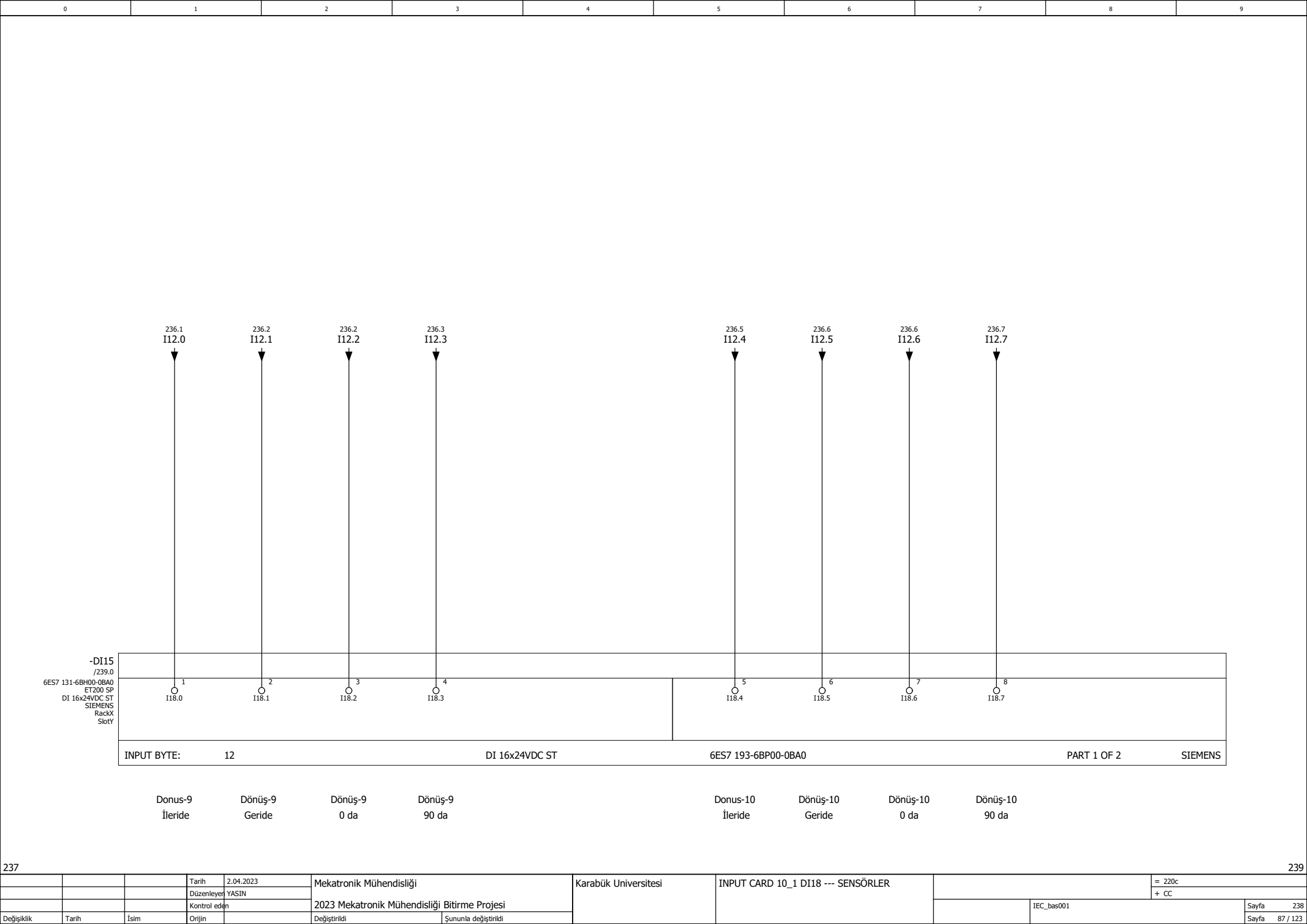


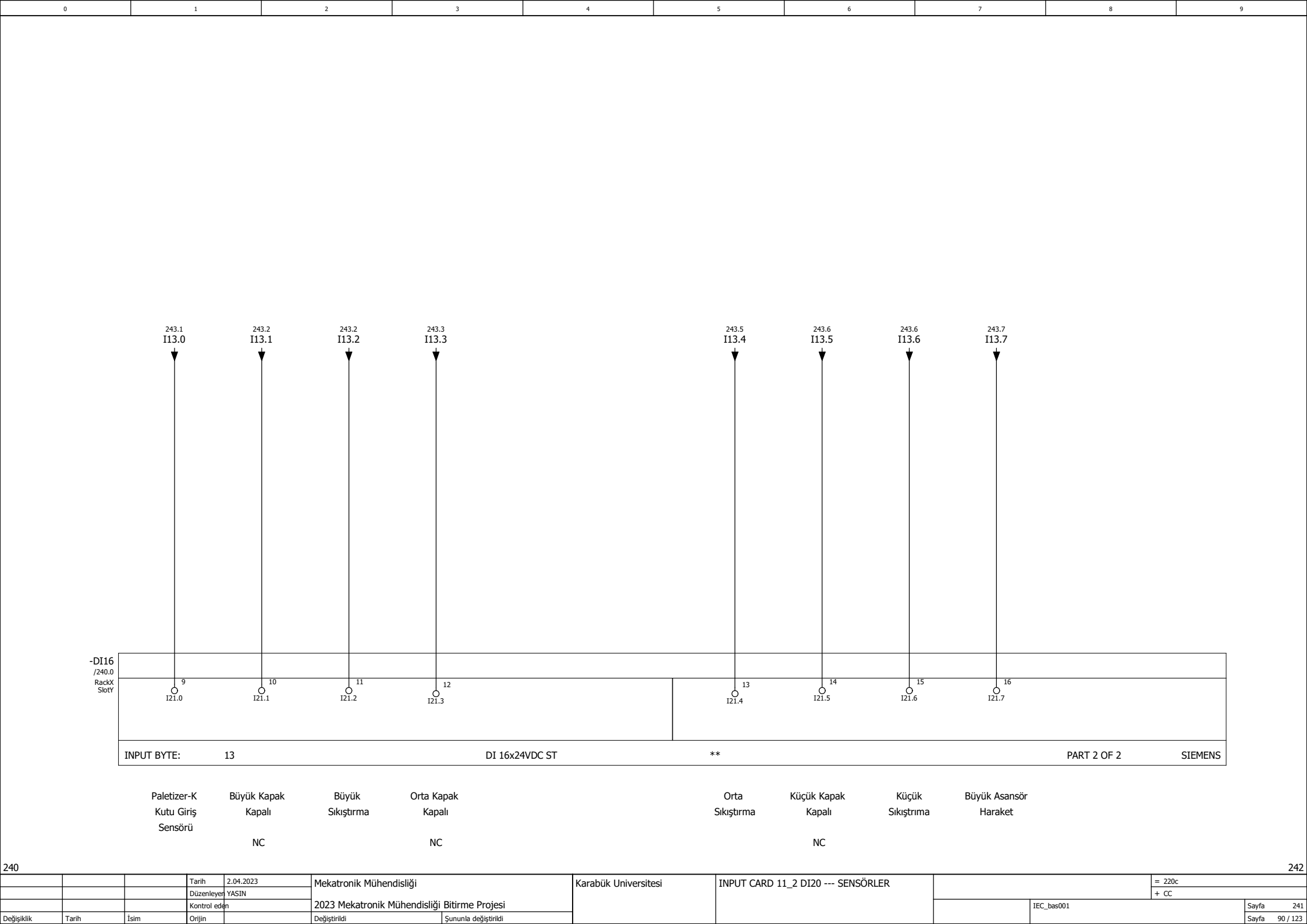


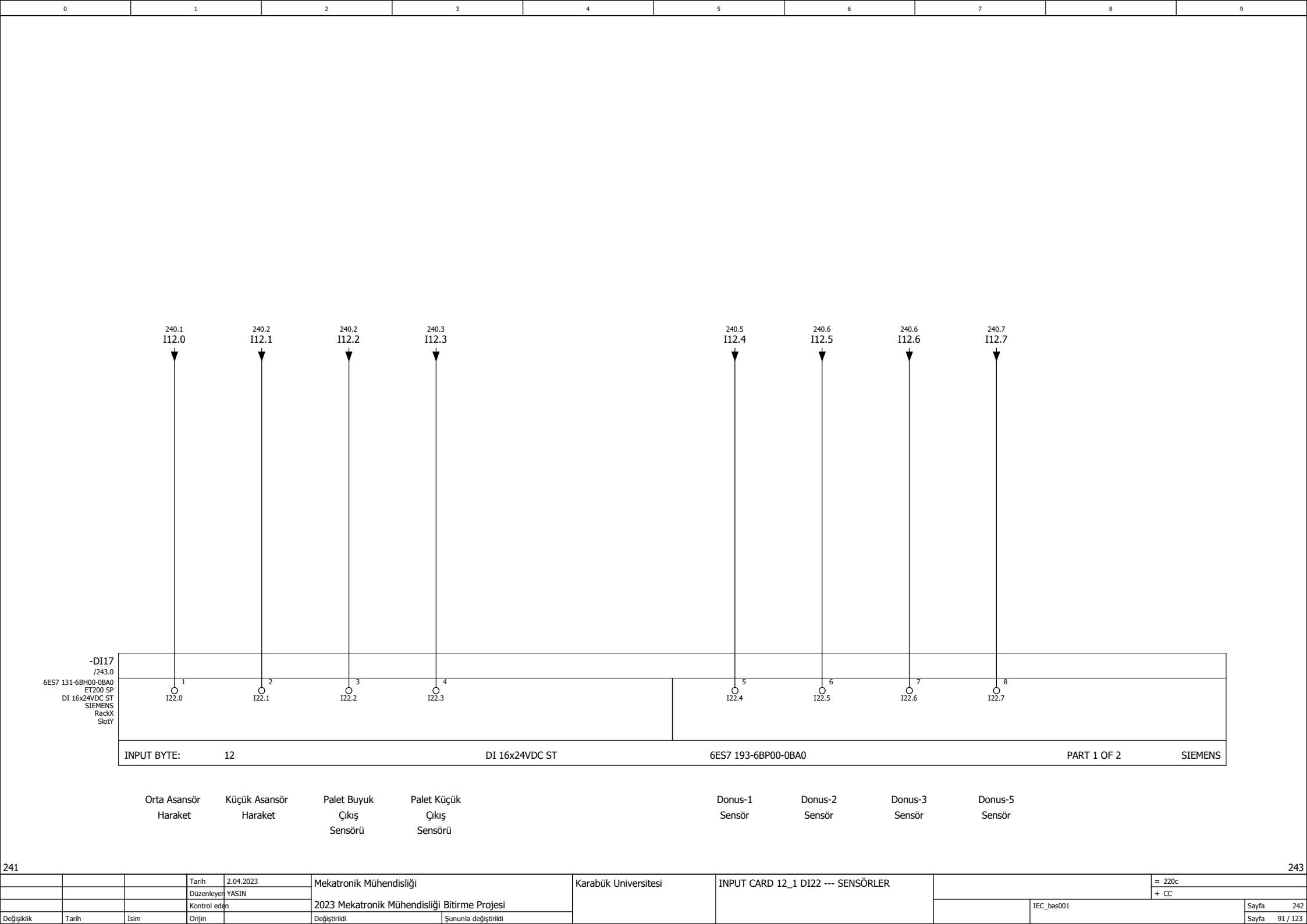


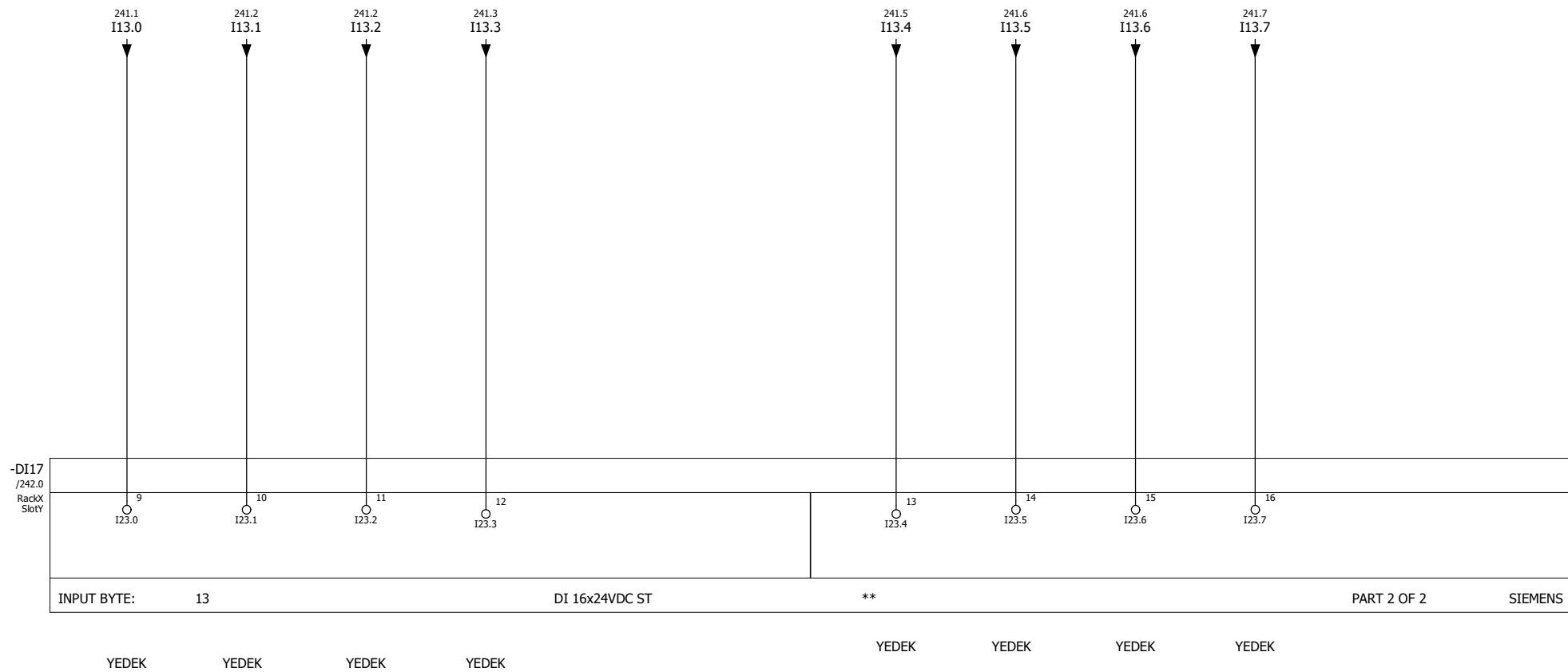


			Tarih	2.04.2023	Mekatronik Mühendisliği	Karabük Üniversitesi	INPUT CARD 9_2 DI16 --- SENSÖRLER	= 220c			
			Düzenleyen	YASIN				+ CC			
			Kontrol eden		2023 Mekatronik Mühendisliği Bitirme Projesi					Sayfa	237
Değişiklik	Tarih	İsim	Orjin		Değiştirildi	Şununla değiştirildi		IEC_bas001		Sayfa	86 / 123









KONVEYOR-1
TERMİK

KONVEYOR-2
TERMİK

MAVİ URUN
KONVEYOR 1
TERMİK

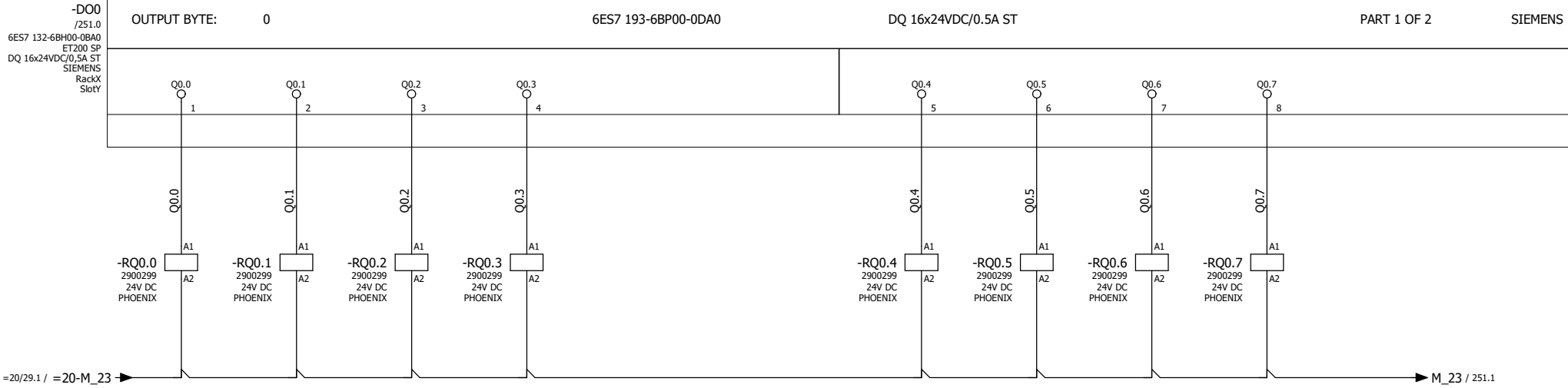
MAVİ URUN
KONVEYOR 2
TERMİK

MAVİ URUN
KONVEYOR 3
TERMİK

MAVİ KAPAK
KONVEYOR
TERMİK

MAVİ
PİSTON
TERMİK

YEDEK



11 14 /250.1

11 14 /250.2

11 14 /250.2

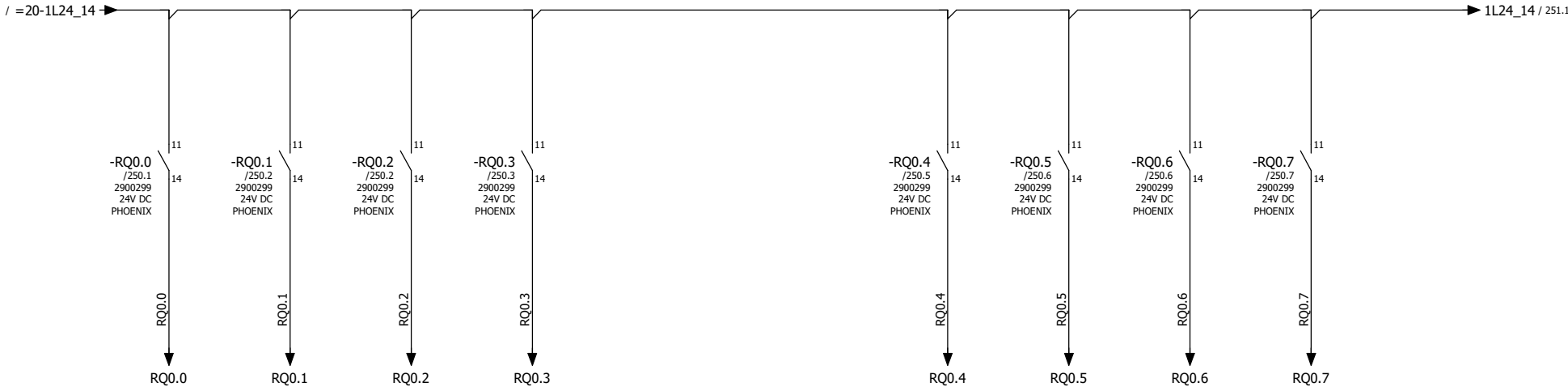
11 14 /250.3

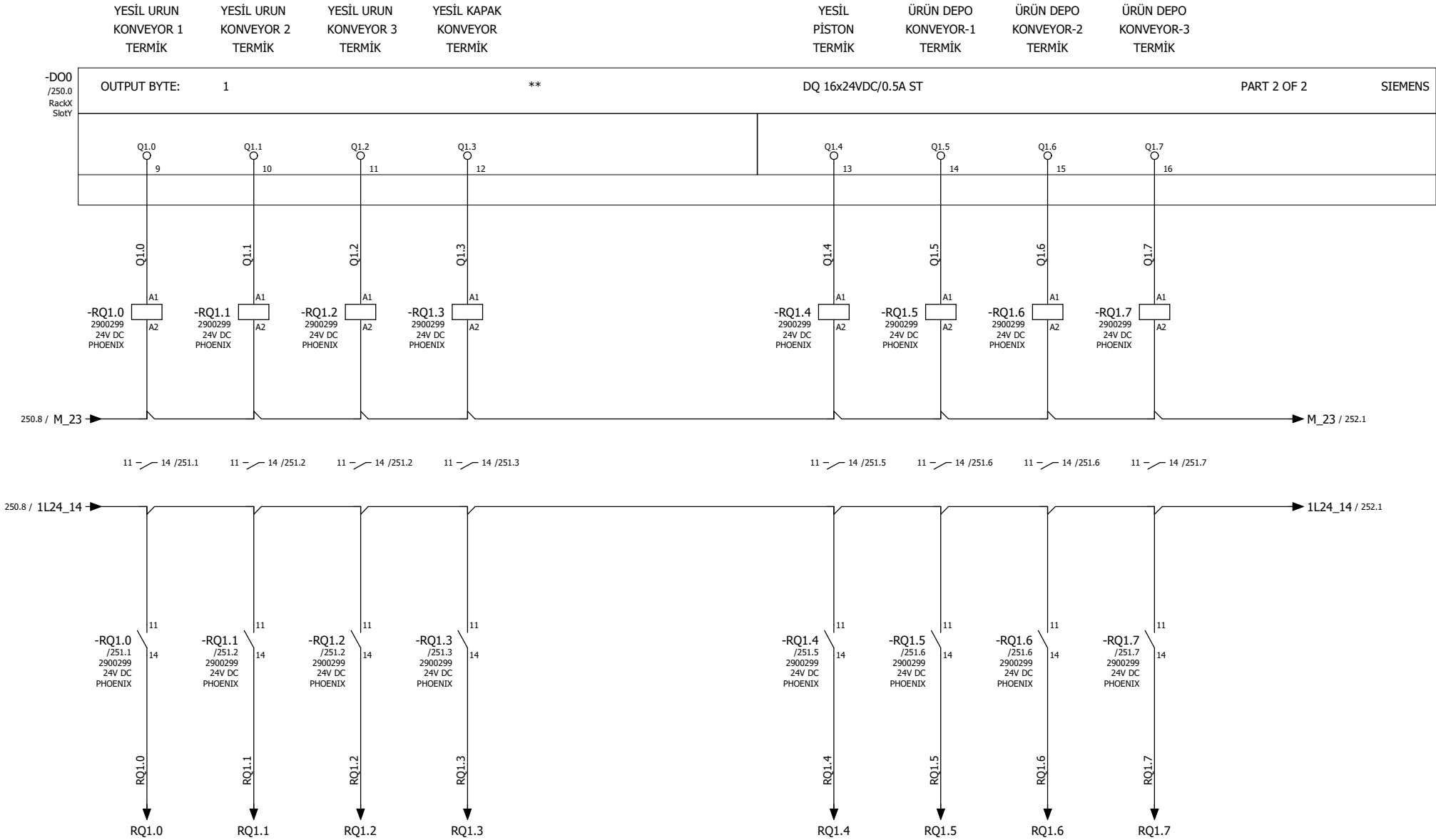
11 14 /250.5

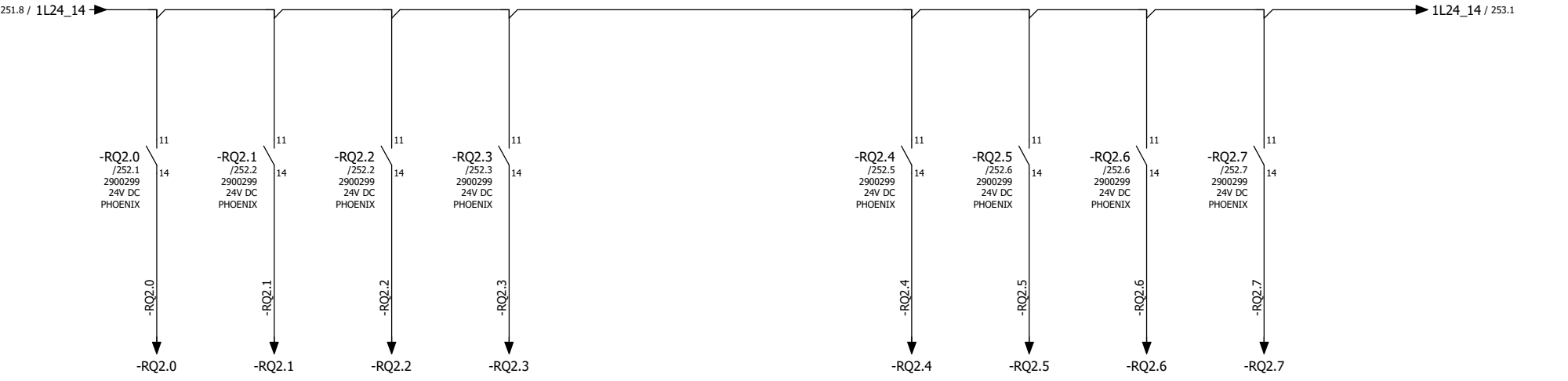
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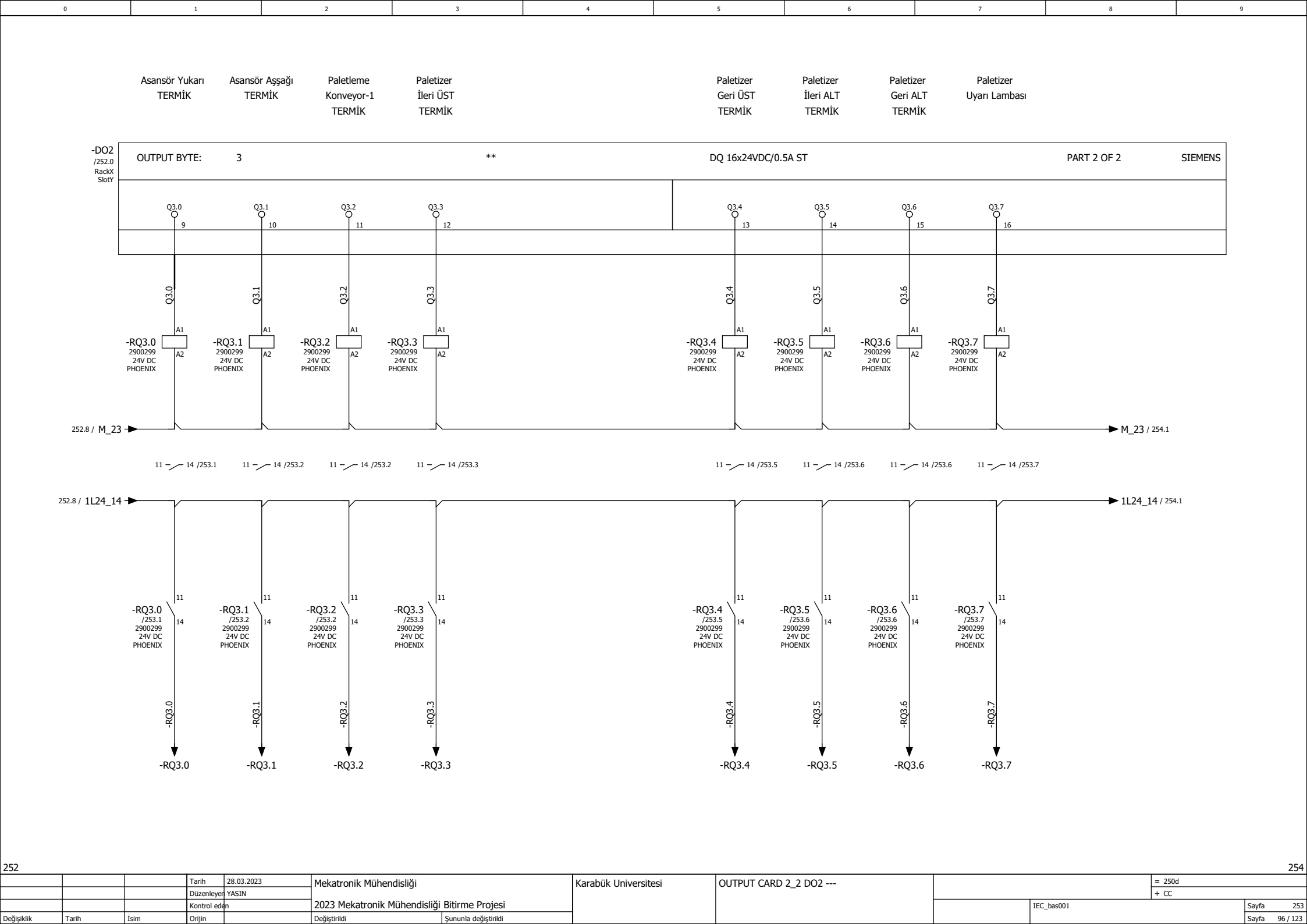
11 14 /250.6

11 14 /250.7









			Tarih	28.03.2023	Mekatronik Mühendisliği		Karabük Üniversitesi	OUTPUT CARD 3_1 DO4 ---			= 250d	
			Düzenleyen	YASIN							+ CC	
			Kontrol eden									
					2023 Mekatronik Mühendisliği Bitirme Projesi							
Değişiklik	Tarih	İsim	Orjinal		Değiştirildi	Sunulan değiştirildi			IEC_bas001		Sayfa	254
											Sayfa	97 / 123



Donus-5 ileri

Donus-5 Geri

Donus-5 Dondur

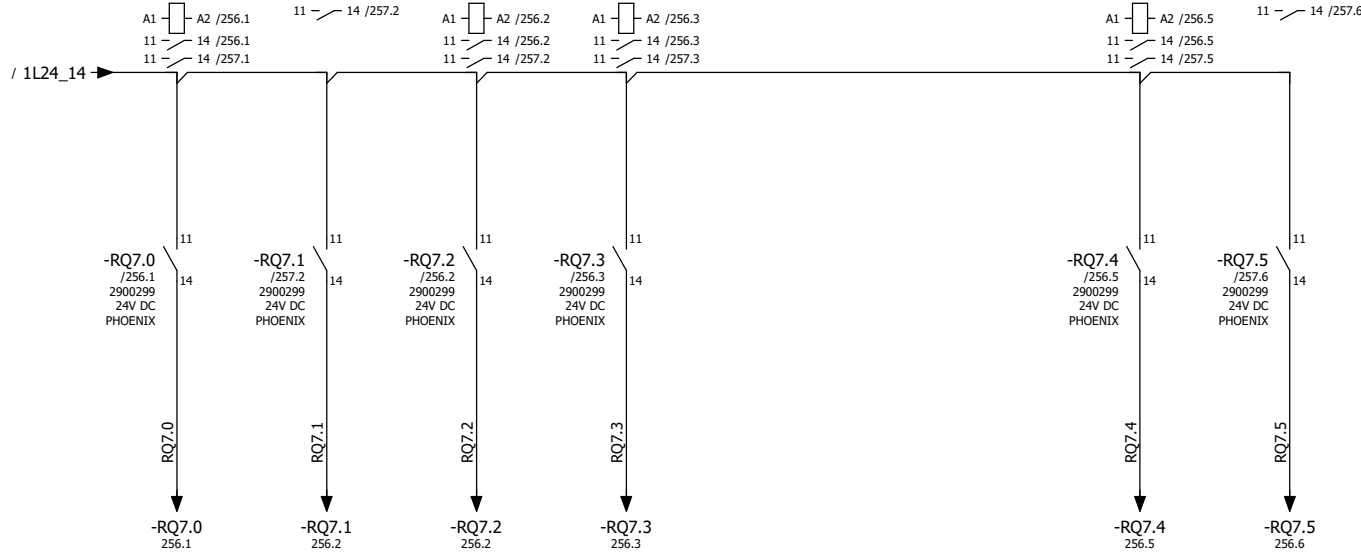
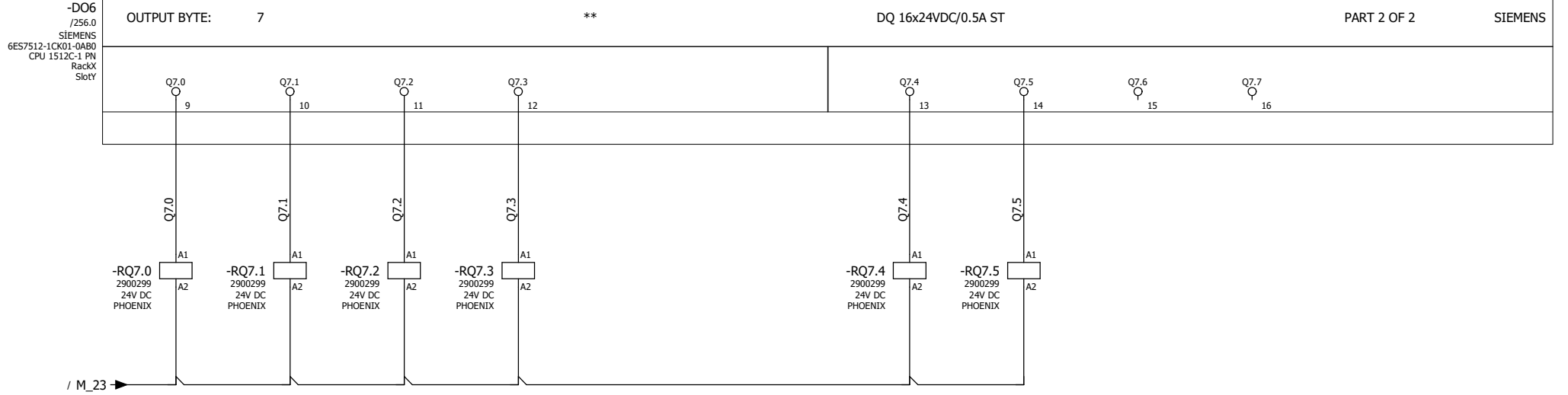
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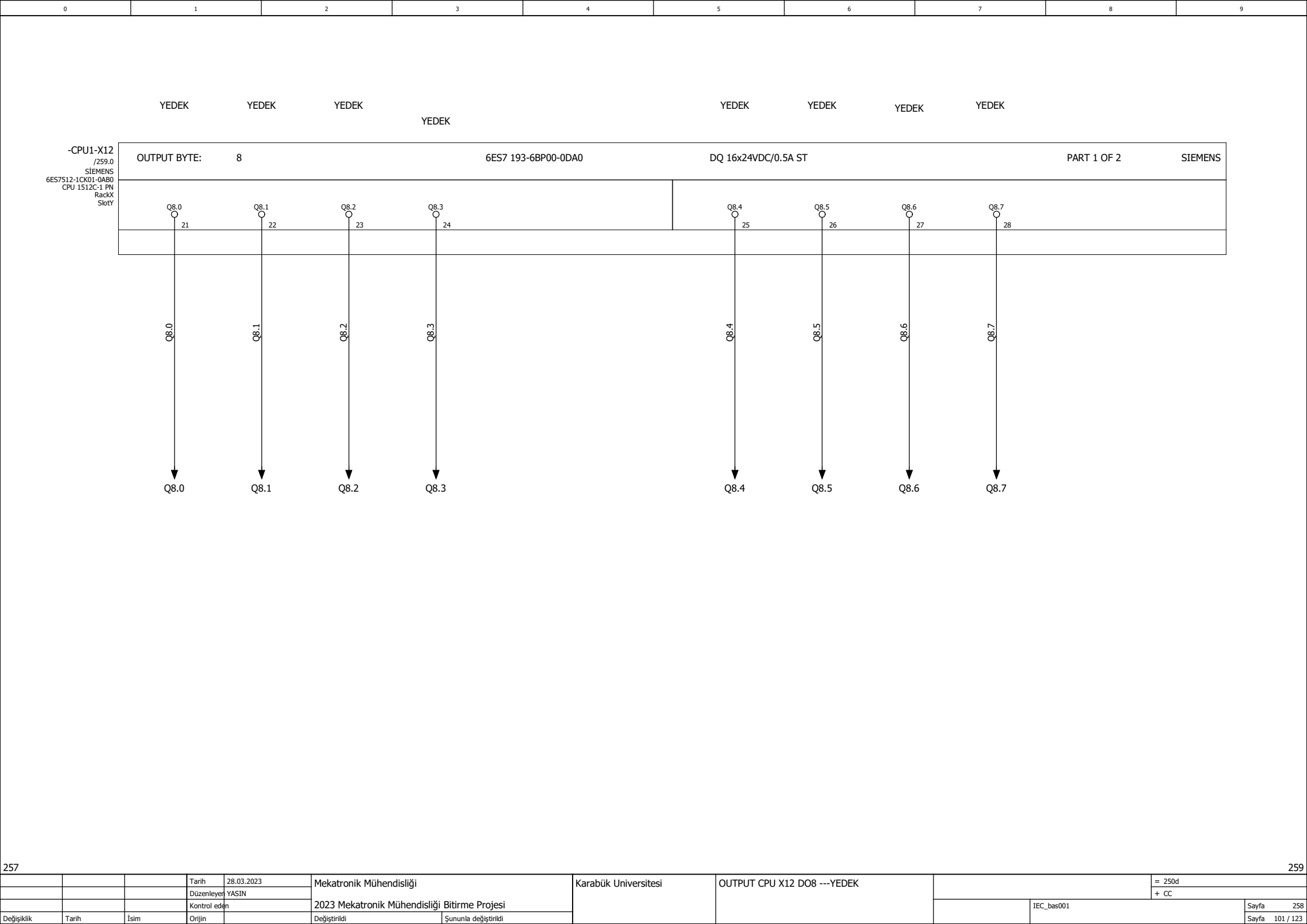
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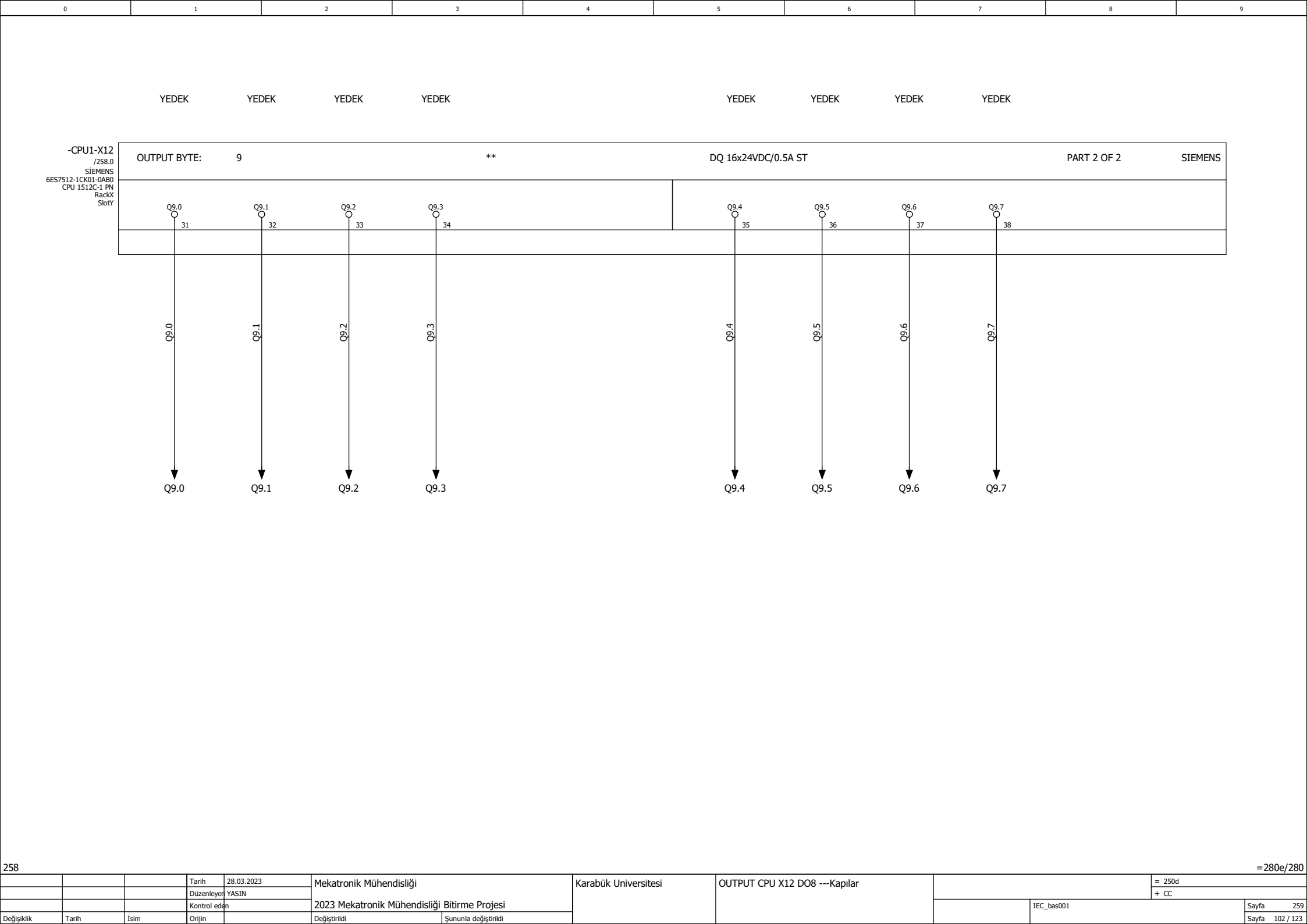
YEDEK

YEDEK

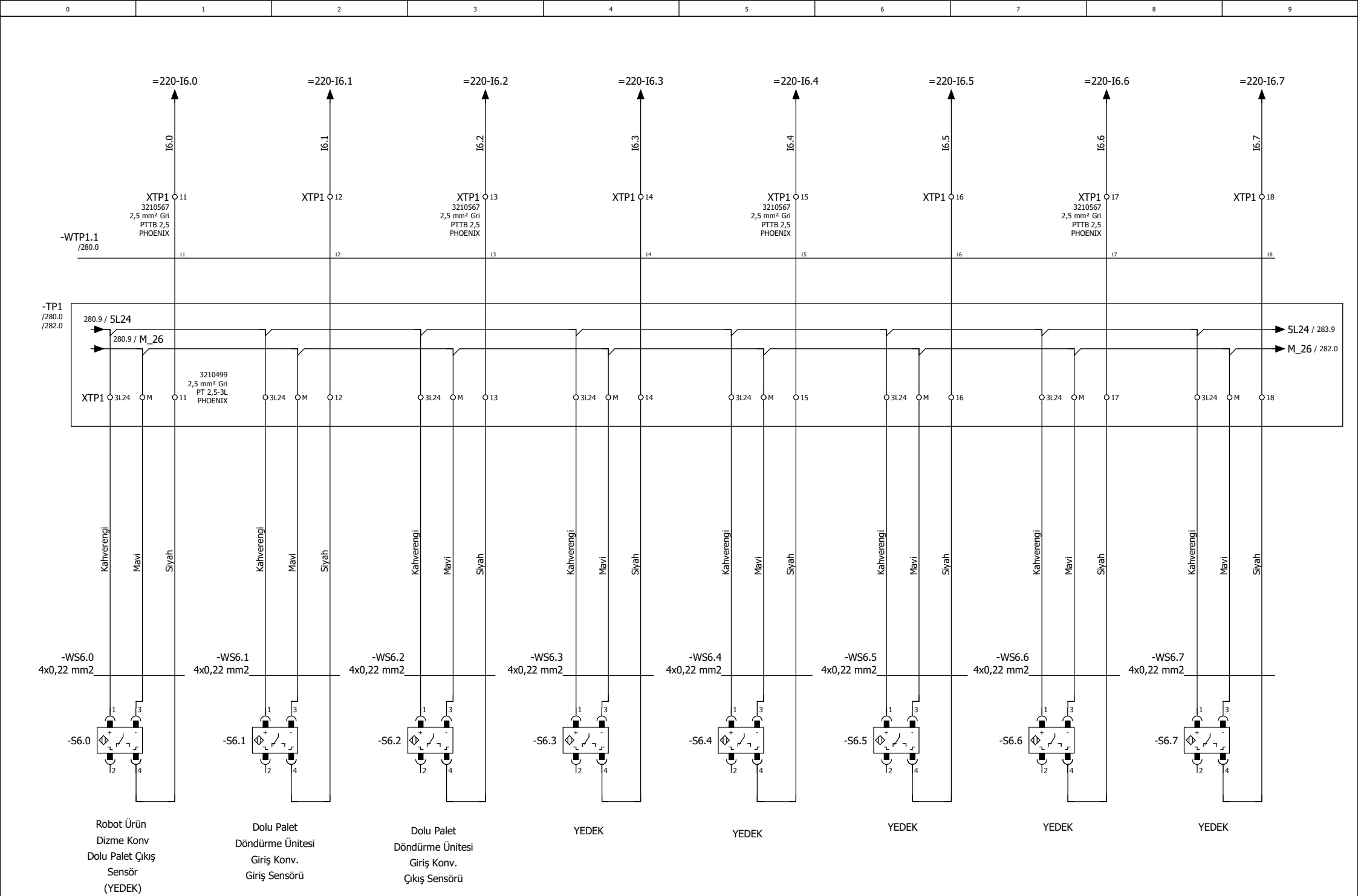
YEDEK



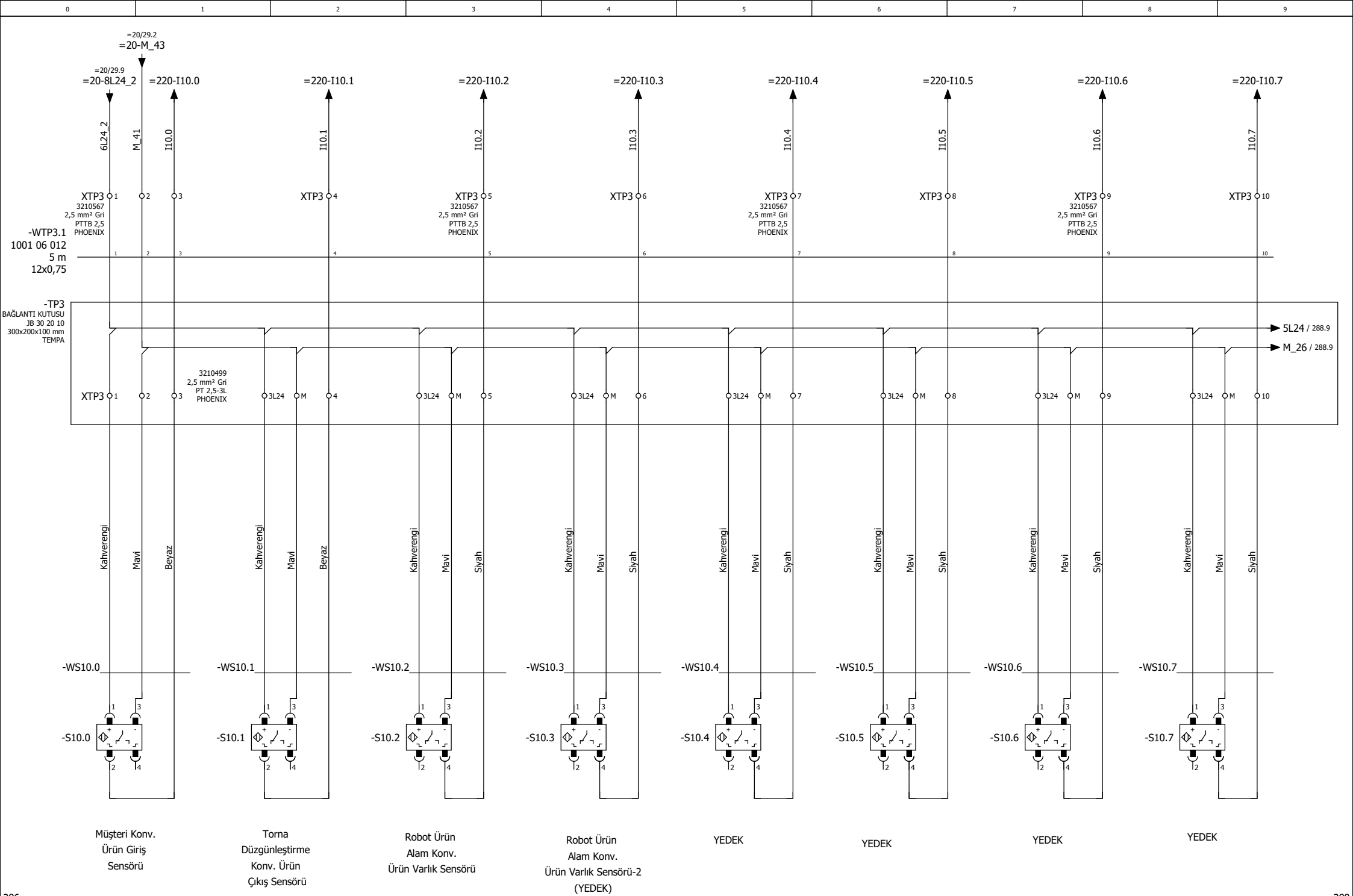


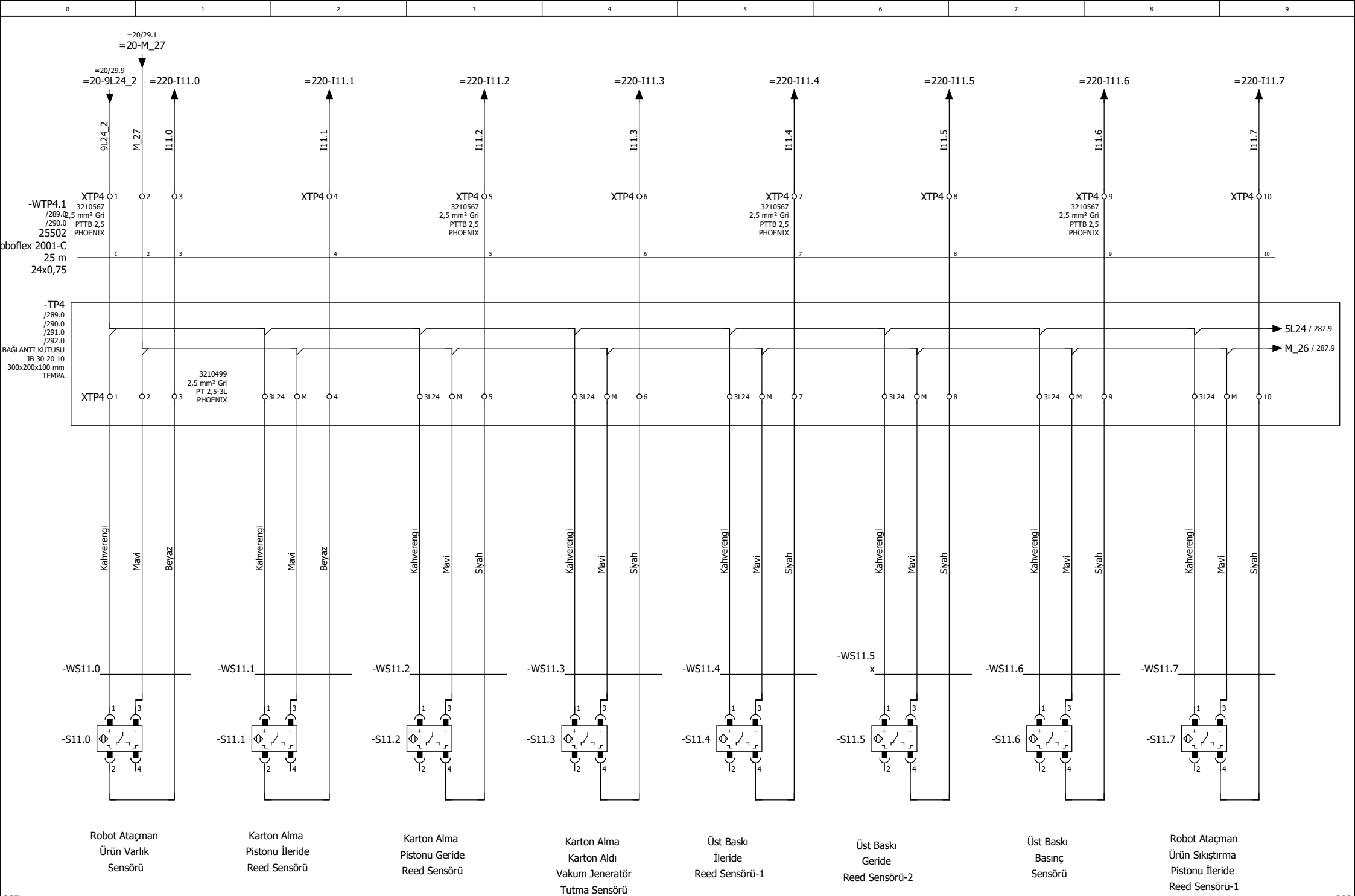


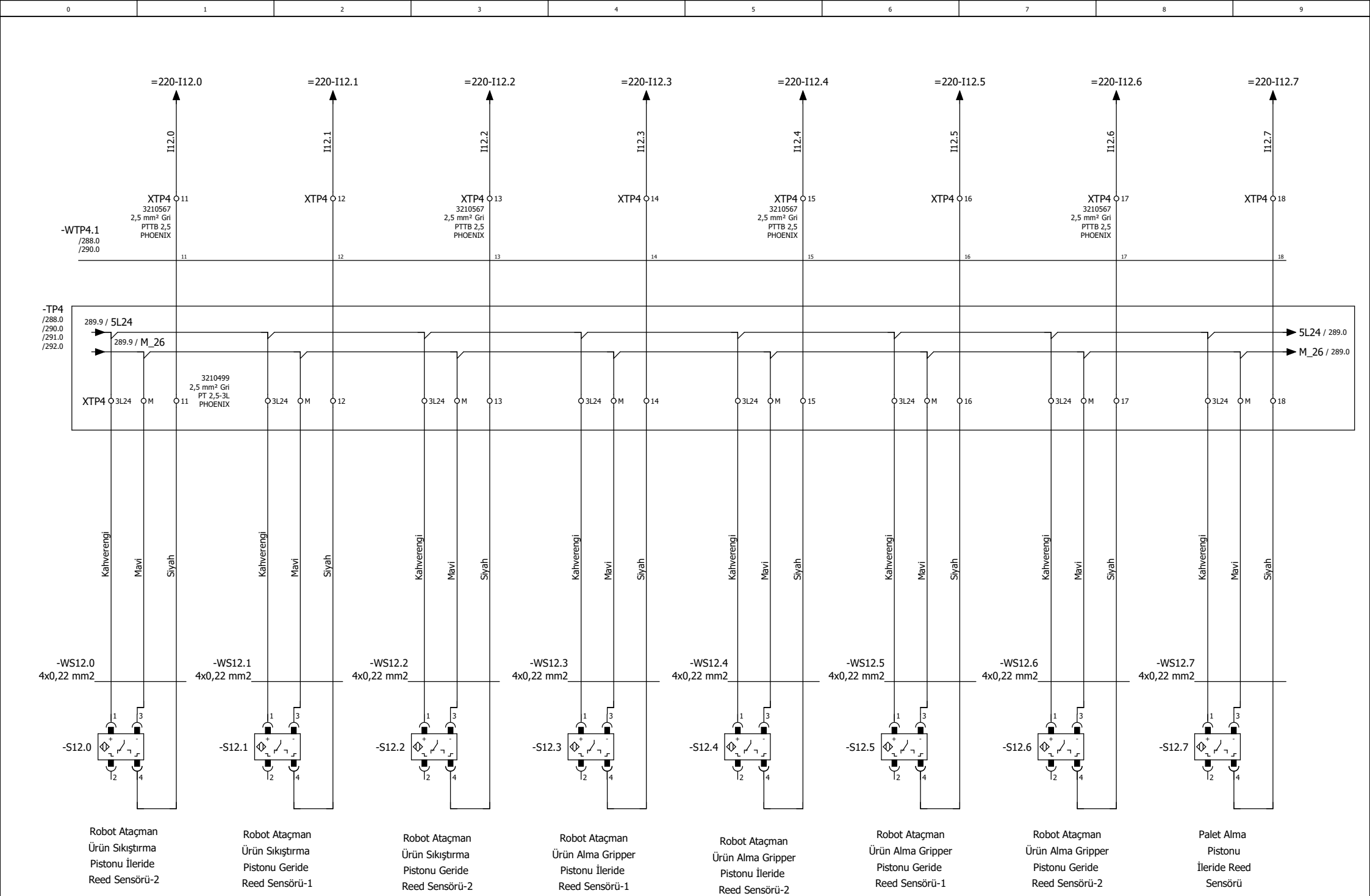


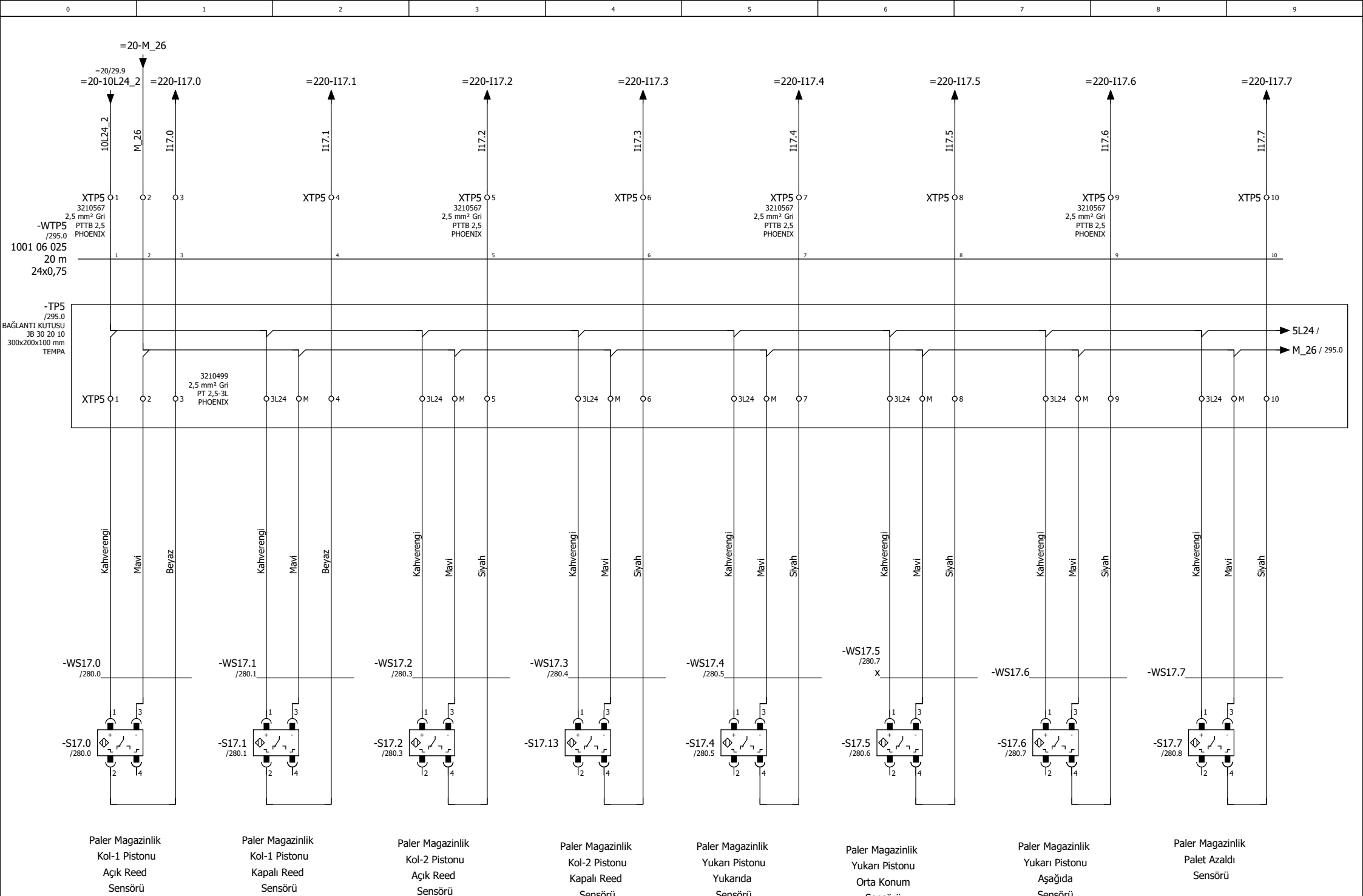






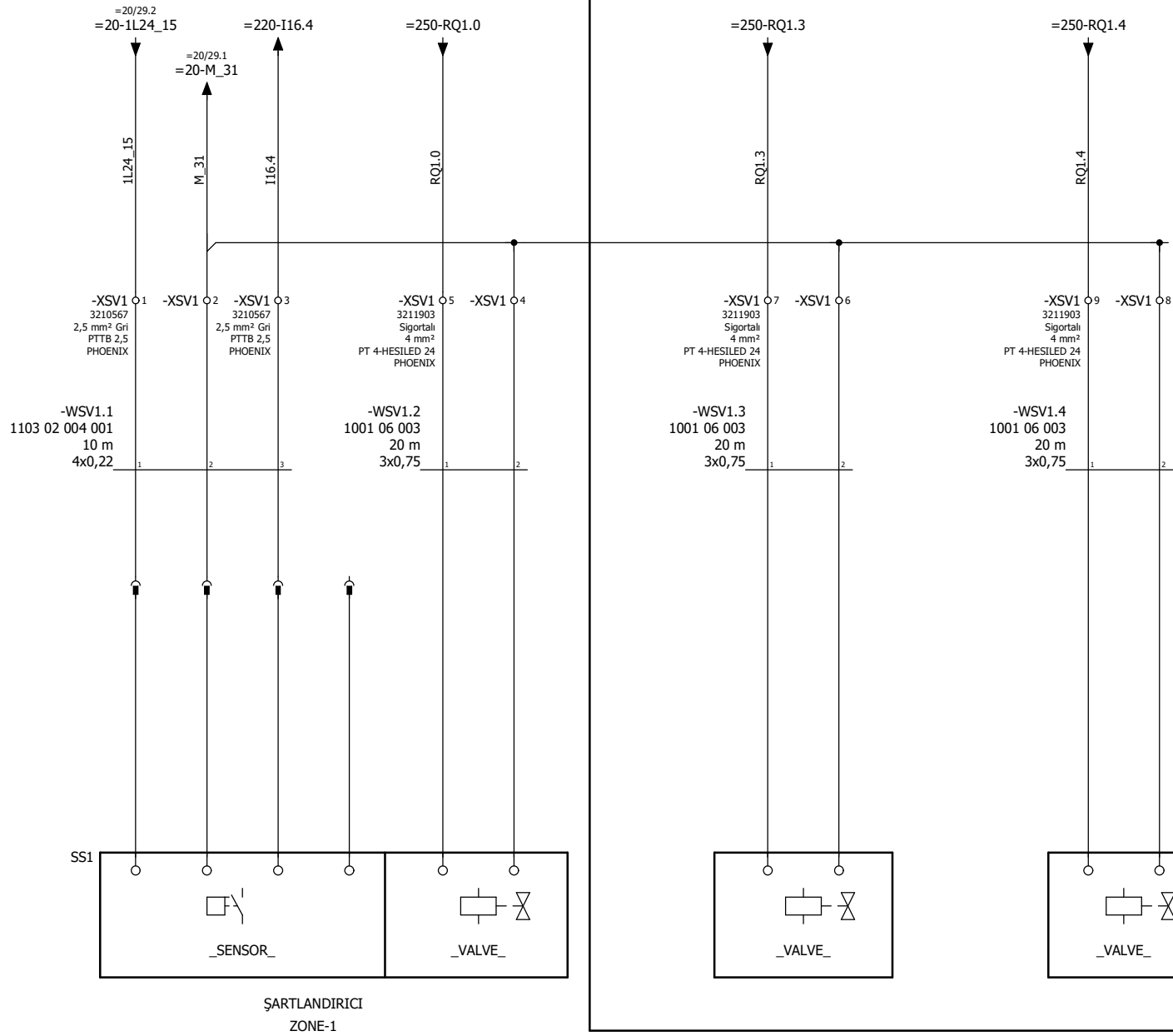


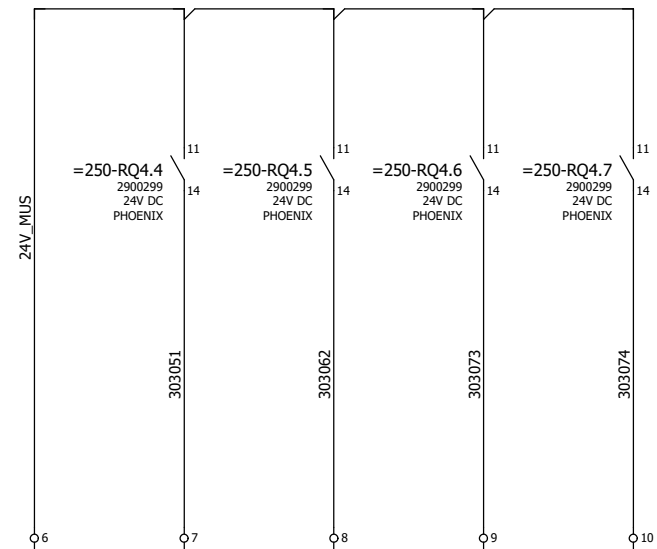




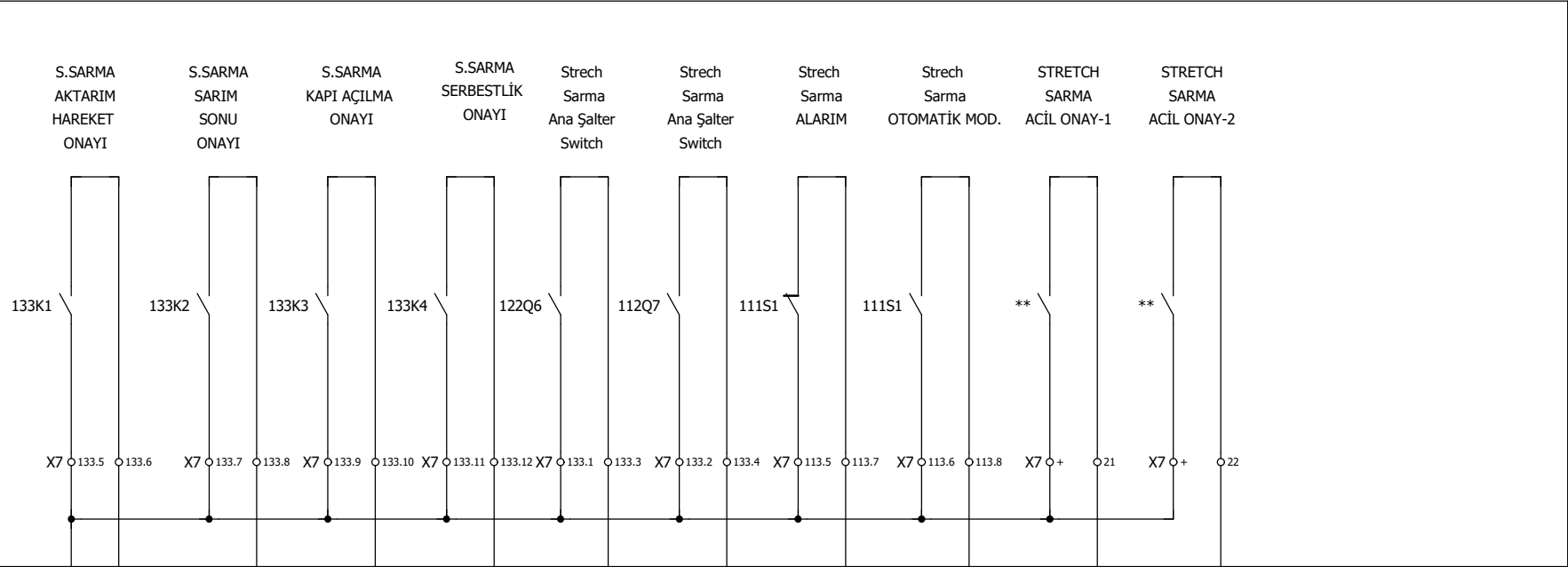


				Tarih	28.03.2023	Mekatronik Mühendisliği		Karabük Üniversitesi		UYARI LAMBASI				= 280e			
				Düzenleyen	YASIN											+ CC	
				Kontrol eden								2023 Mekatronik Mühendisliği Bitirme Projesi					
Değişiklik	Tarih	İsim	Orjin		Değiştirildi	Şununla değiştirildi							IEC_bas001	Sayfa	301		
													Sayfa	119 / 123			

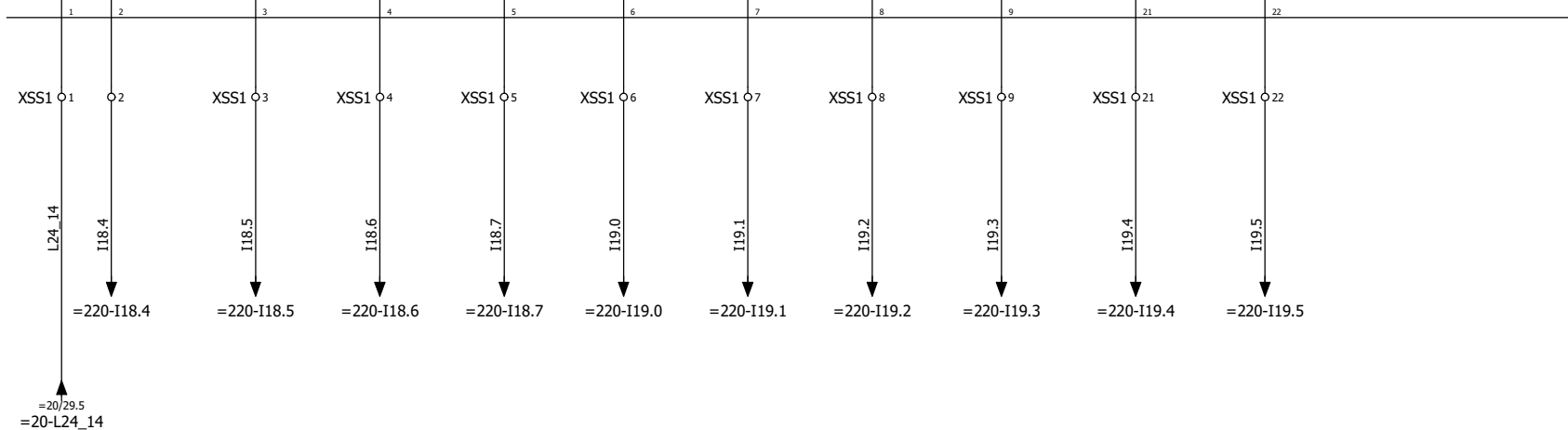




KERAMİK
-->
MÜŞTERİ
YEDEK



-WCYKLOP_1
1001 06 025
10 m
25x0,75



			Tarih	28.03.2023	Mekatronik Mühendisliği		Karabük Üniversitesi	STRETCH SARMA HABERLEŞME			= 280e	
			Düzenleyen	YASIN							+ CC	
			Kontrol eden									
Değişiklik	Tarih	İsim	Orjin						Değiştirildi	Şununla değiştirildi		
									IEC_bas001	Sayfa	304	
										Sayfa	122 / 123	

