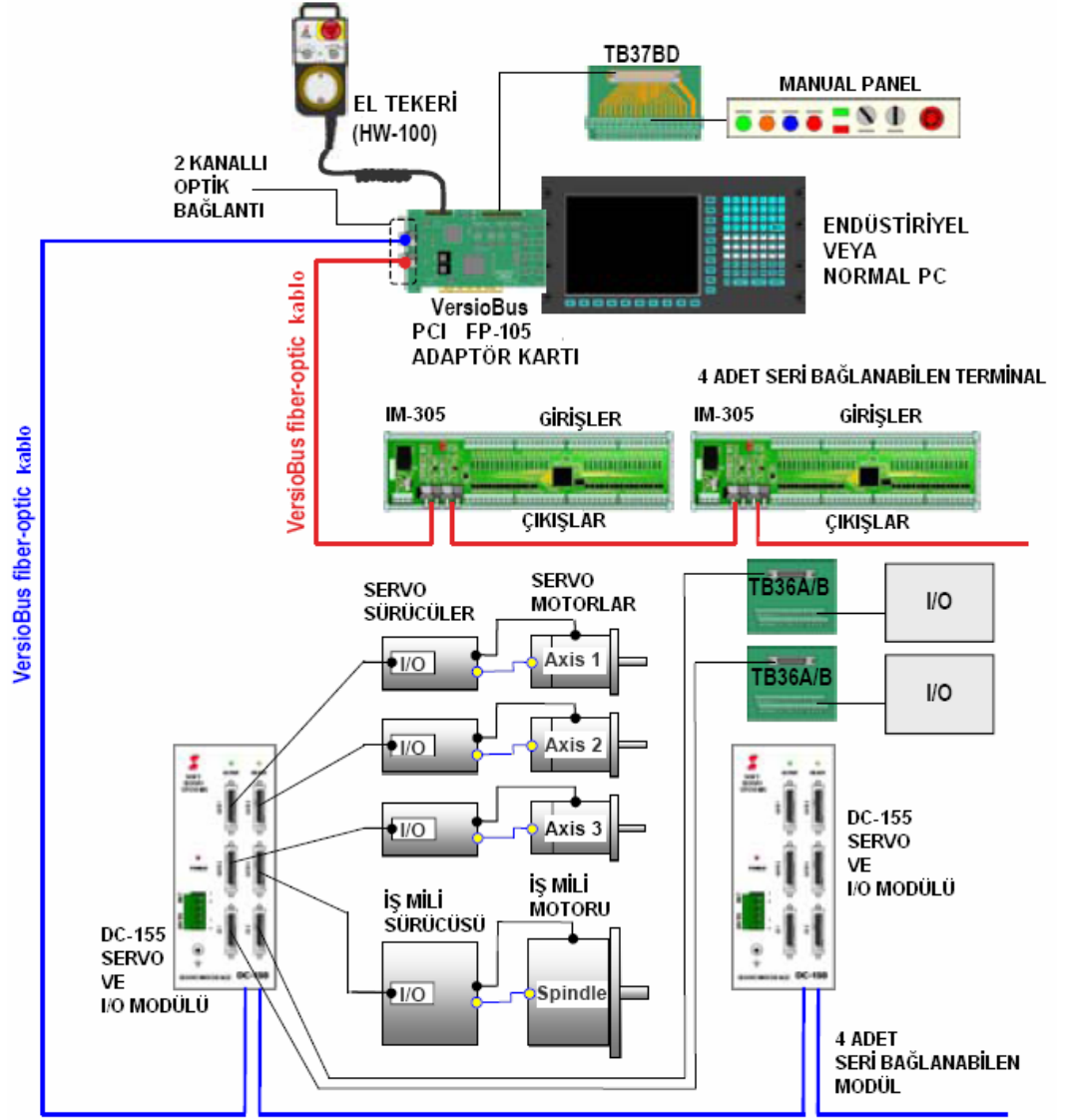


SOFT SERVO KONTROL SİSTEMİ İLE ELEKTRİK BAĞLANTILARI İÇİN GEREKLİ BİLGİLER.

1- SOFT SERVO SİSTEMİNİN YAPISI

SOFT SERVONUN DONANIM YAPISI YANDA GÖRÜLEN ŞEKİLDE OLDUĞU GİBİDİR.

ORMAN MAKİNA MANUAL PANELİ KENDİ YAPACAK.



FP-105
ADAPTÖR (HABERLEŞME) KARTI



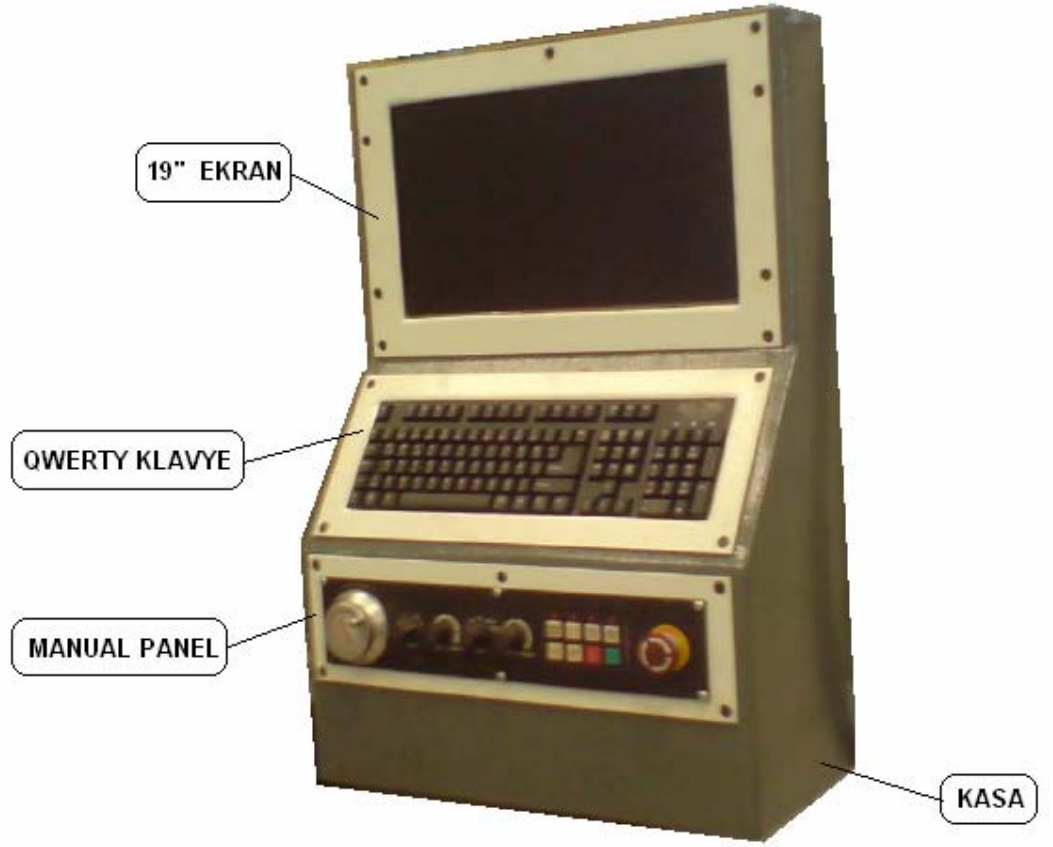
TB37BD
MANUAL PANEL İÇİN TERMİNAL



HW-100 EL TEKERİ (PC DEN ÇIKIŞ FLAT KABLO İLE YAPILIYOR)	
IM-305 GENEL I/O MODÜLÜ (32 GİRİŞ,32 ÇIKIŞ)	
DC-155 SERVO VE I/O MODÜLÜ (4 ADET SERVO ,2 ADET I/O)	
TB36A DC-155 İLE KULLANILAN TERMİNAL (İKİYE BÖLÜNMÜŞ KLEMENS)	
TB36B DC-155 İLE KULLANILAN TERMİNAL (ÇİFT KATLI KLEMENS)	
FİBER OPTİK KABLO (4,5M)	
I/O KABLOSU	

2- OPERATÖR PANELİ

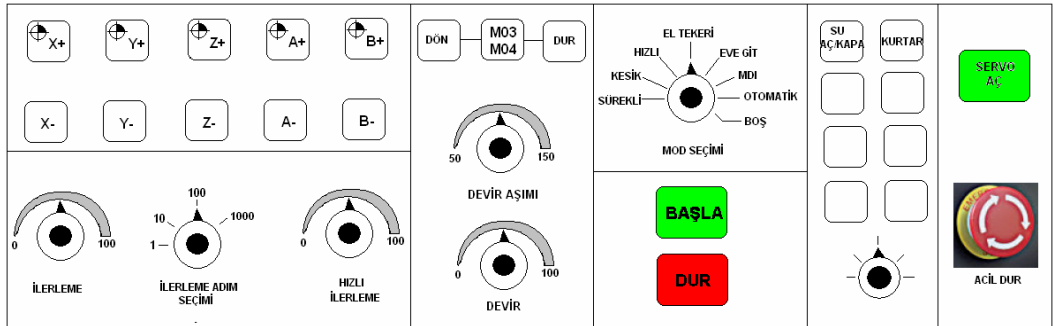
OPERATÖR PANELİNİN YAPISI
YANDA GÖSTERİLDİĞİ GİBİ
OLACAKTIR.



KASA

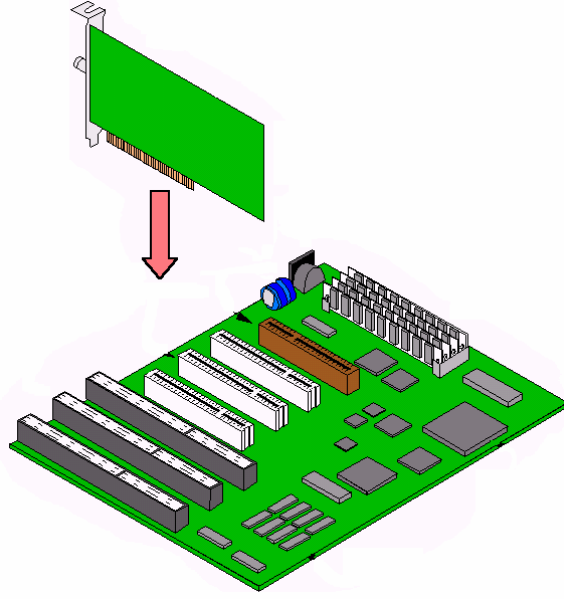
ŞAÇTAN 19" EKRAN,
KLAVYE,MANUAL PANELE
UYGUN, HAVA SOĞUTMALI
ŞEKİLDE ORMAN MAKİNA
TARAFINDAN
ÜRETTİRİLECEKTİR.



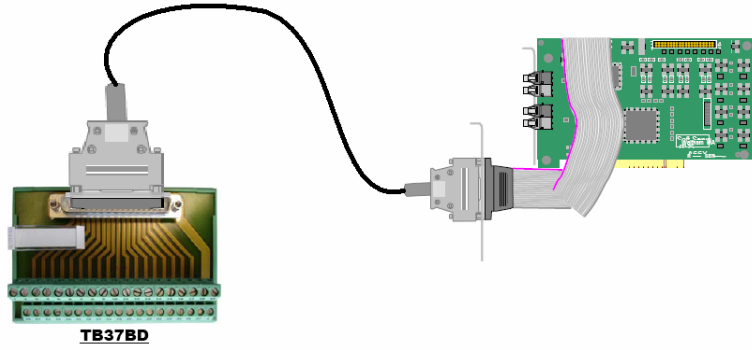
19" MONİTÖR LCD EKRAN	
102 TUŞ KLAVYE QWERTY 102 TUŞLU	
MANUAL PANEL ORMAN MAKİNA TARAFINDAN ÜRETİLECEK. (İSTEĞE BAĞLI)	
PC WINDOWS XP.	

3- SİSTEMİN HAZIRLANMASI

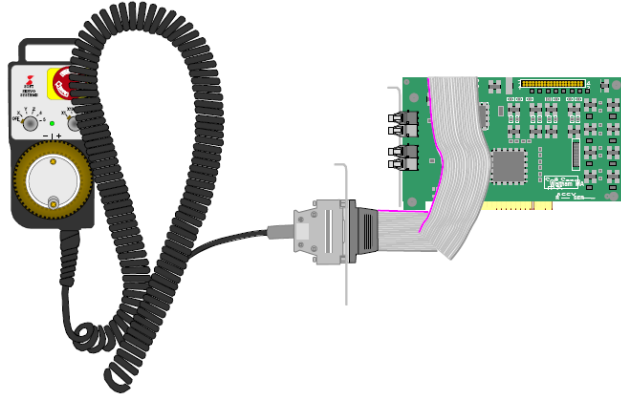
PC NİN ANA KARTINA
HABERLEŞME KARTI TAKILIR.



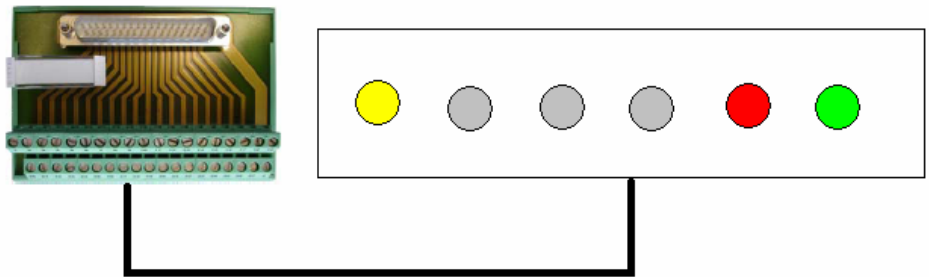
HABERLEŞME KARTINA BİR ARA
KABLO VE BU KABLOYADA
TB37B KLEMENS ADAPTÖRÜ
BAĞLANIR.



HABERLEŞME KARTINA BİR ARA
KABLO VE BU KABLOYADA EL
TEKERİ BAĞLANIR.

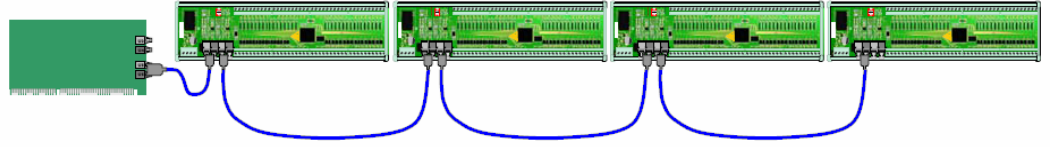


TB37B KLEMENS ADAPTÖRÜNE
MANUAL PANEL BAĞLANIR.



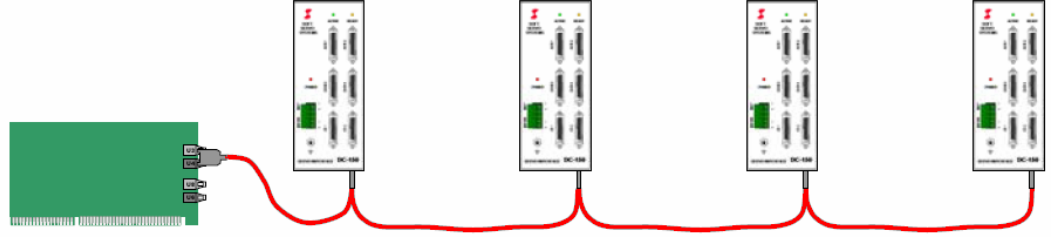
HABERLEŞME KARTINA IM 305
IO ÜNİTESİ BAĞLANIR.

MAX=4

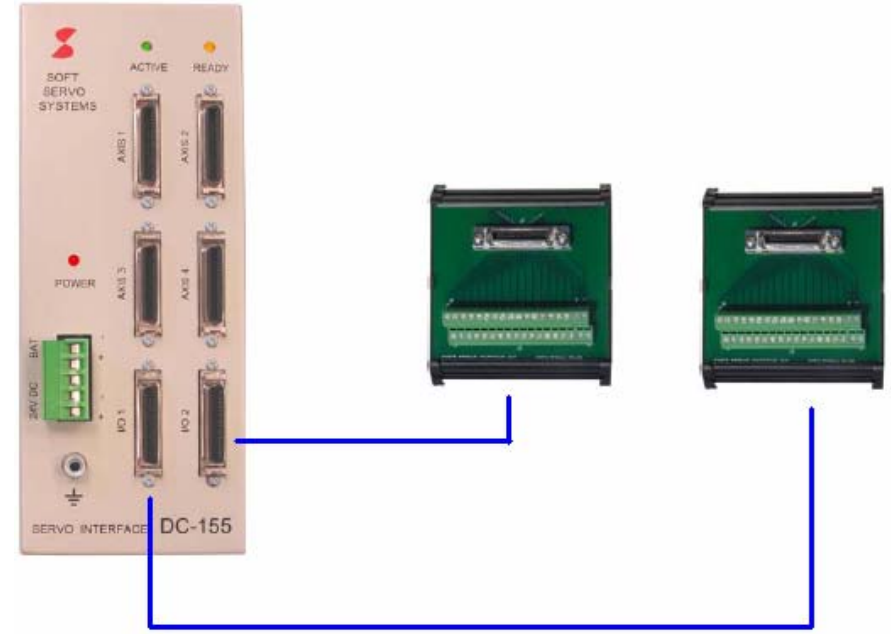


HABERLEŞME KARTINA DC 155
SERVO VE IO ÜNİTESİ
BAĞLANIR.

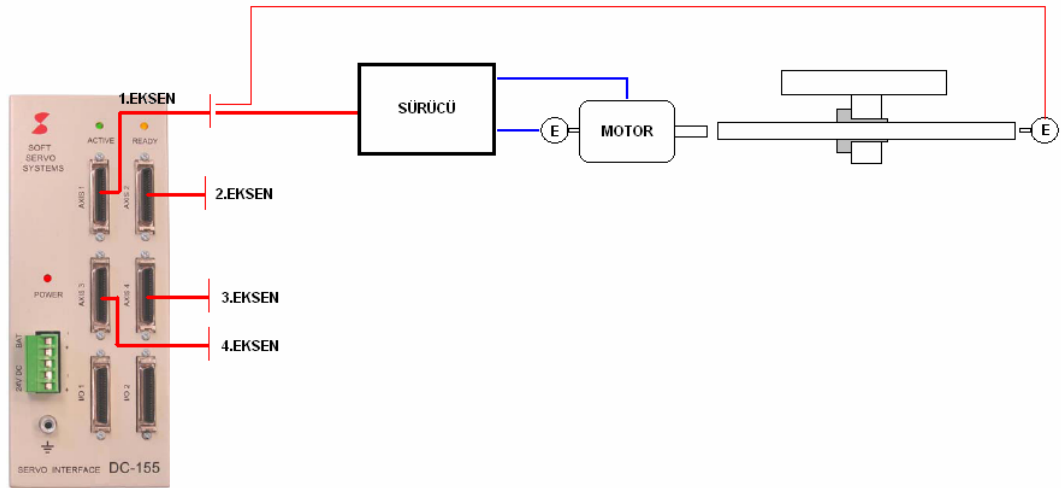
MAX=4



DC-155 ÜNİTESİNE 2 ADET IO
ÇIKIŞ ADAPTÖRÜ BAĞLANIR.

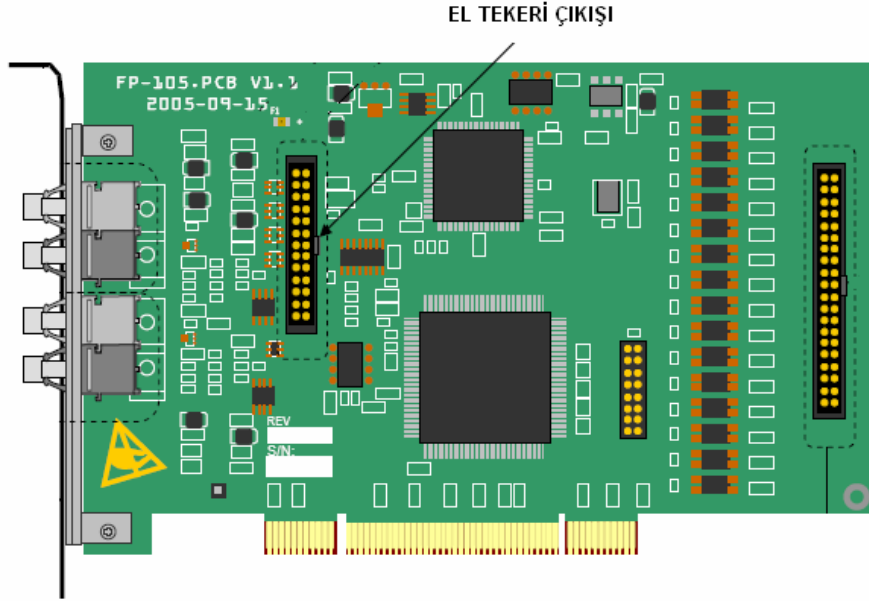


DC-155 ÜNİTESİNE 4 ADET
SÜRÜCÜ VE ENKODER
BAĞLANIR.



4- KABLO VE BAĞLANTILARIN GÖRÜNÜŞÜ

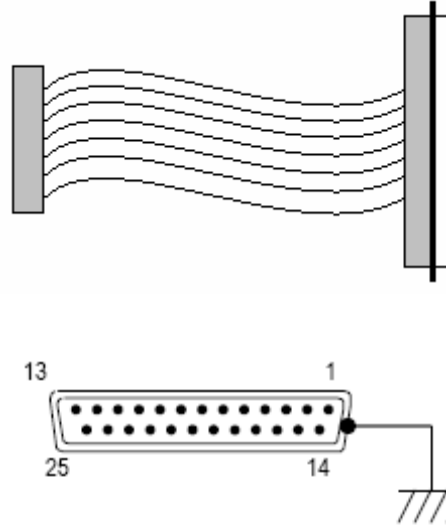
KART ÇIKIŞI-ELTEKERİ GİRİŞİ



PIN NO.	I/O	SIGNAL
1	I	Encoder Signal A, Low Side
2	I	Encoder Signal A, High Side
3	I	Digital Ground
4	I	Encoder Signal B, Low Side
5	I	Encoder Signal B, High Side
6	I	Digital Ground
7	I	Encoder Input Select ¹
8	I	X1 pulse multiplication
9	I	X10 pulse multiplication
10	I	X100 pulse multiplication
11	I	X1000 pulse multiplication
12	I	LOGIC E-STOP
13	I	Axis X Selection ²

PIN NO.	I/O	SIGNAL
14	I	Axis Y Selection ²
15	I	Axis Z Selection ²
16	I	Axis 4 Selection ²
17	I	Axis 5 Selection ²
18	O	V _{CC} (5V)
19	O	V _{CC} (5V)
20	I	NC
21	I	NC
22	I	NC
23	I	NC
24	I	NC
25	I	NC
26	I	NC

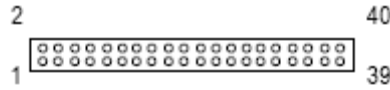
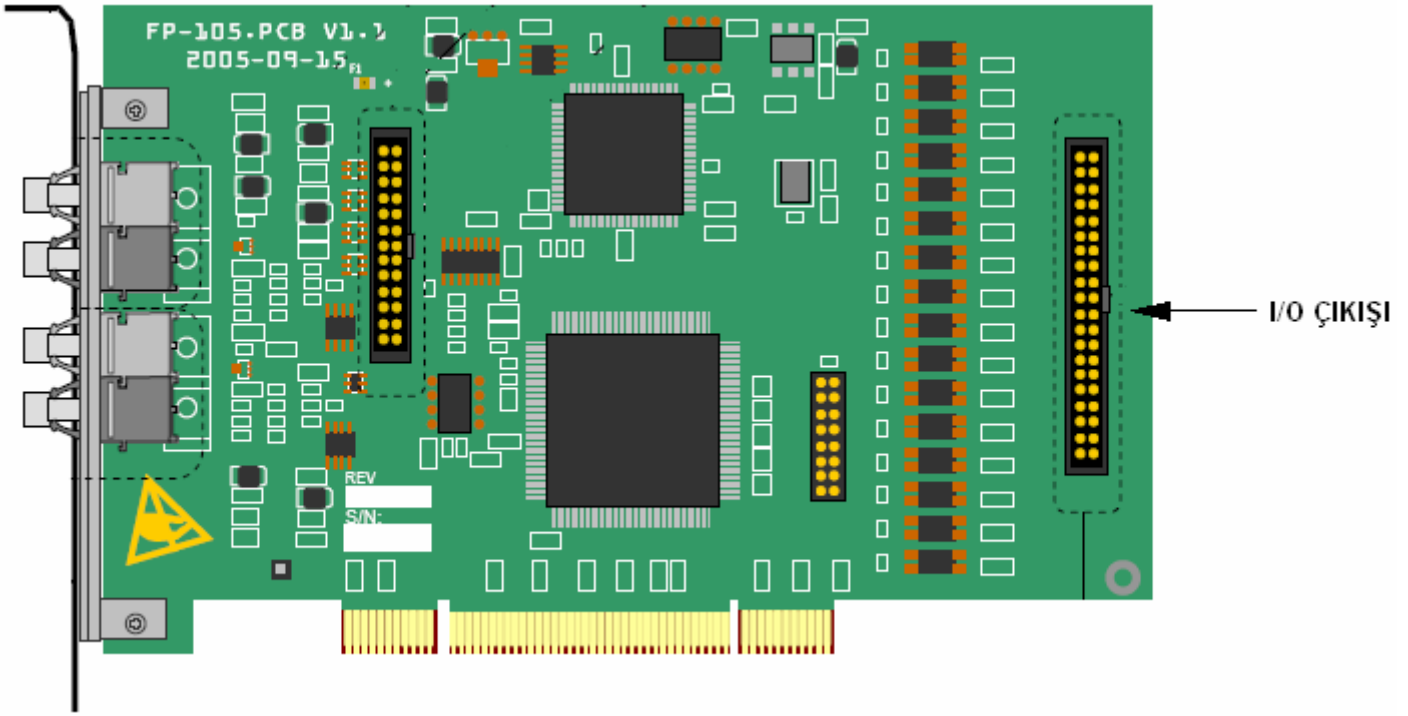
ARA KABLO ÇIKIŞI -ELTEKERİ GİRİŞİ



Female 25-Pin DB Connector On the Ribbon Cable for Connection to the J1 Header Block on the FP-85, the J1 Header Block on the FP-105 or the J1 Header Block on the FP-114

PIN NO.	NAME	SIGNAL
1	A_LO	Encoder Signal A, Low Side
2	GND	Digital Ground
3	B_HI	Encoder Signal B, High Side
4	DIF_SEL	Encoder Input Select
5	X10	X10
6	X1000	X1000 (Optional)
7	X-Axis	Axis X
8	Z-Axis	Axis Z
9	5-Axis	Axis 5 (Optional)
10	V _{cc}	V _{cc} (5V)
11		Not used
12		Not used
13		Not used
14	A_HI	Encoder Signal A, High Side
15	B_LO	Encoder Signal B, Low Side
16	GND	Digital Ground
17	X1	X1
18	X100	X100
19	E-STOP	LOGIC E-STOP
20	Y-Axis	Axis Y
21	4-Axis	Axis 4
22	V _{cc}	V _{cc} (5V)
23		Not used
24		Not used
25		Not used

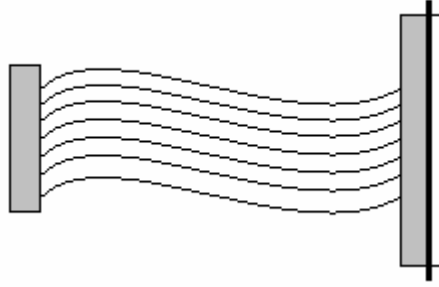
KART ÇIKIŞI- IO GİRİŞİ



PIN NO.	SIGNAL
1	IN0 (Digital Input 0)
2	IN1 (Digital Input 1)
3	IN2 (Digital Input 2)
4	IN3 (Digital Input 3)
5	IN4 (Digital Input 4)
6	IN5 (Digital Input 5)
7	IN6 (Digital Input 6)
8	IN7 (Digital Input 7)
9	COM0_IN_GND (Common Ground 0) – for use with all digital inputs (pins 1-8, 10-17)
10	IN8 (Digital Input 8)
11	IN9 (Digital Input 9)
12	IN10 (Digital Input 10)
13	IN11 (Digital Input 11)
14	IN12 (Digital Input 12)
15	IN13 (Digital Input 13)
16	IN14 (Digital Input 14)
17	IN15 (Digital Input 15)
18	NC
19	COM1_A_GND (Common Ground 1) – for digital outputs 0 – 7 (pins 20-27)
20	OUT0 (Digital Output 0)

PIN NO.	SIGNAL
21	OUT1 (Digital Output 1)
22	OUT2 (Digital Output 2)
23	OUT3 (Digital Output 3)
24	OUT4 (Digital Output 4)
25	OUT5 (Digital Output 5)
26	OUT6 (Digital Output 6)
27	OUT7 (Digital Output 7)
28	NC
29	COM2_B_GND (Common Ground 2) – for digital outputs 8 – 15 (pins 30-37)
30	OUT 8 (Digital Output 8)
31	OUT 9 (Digital Output 9)
32	OUT 10 (Digital Output 10)
33	OUT 11 (Digital Output 11)
34	OUT 12 (Digital Output 12)
35	OUT 13 (Digital Output 13)
36	OUT 14 (Digital Output 14)
37	OUT 15 (Digital Output 15)
38	NC
39	NC
40	NC

ARA KABLO ÇIKIŞI –I/O GİRİŞİ

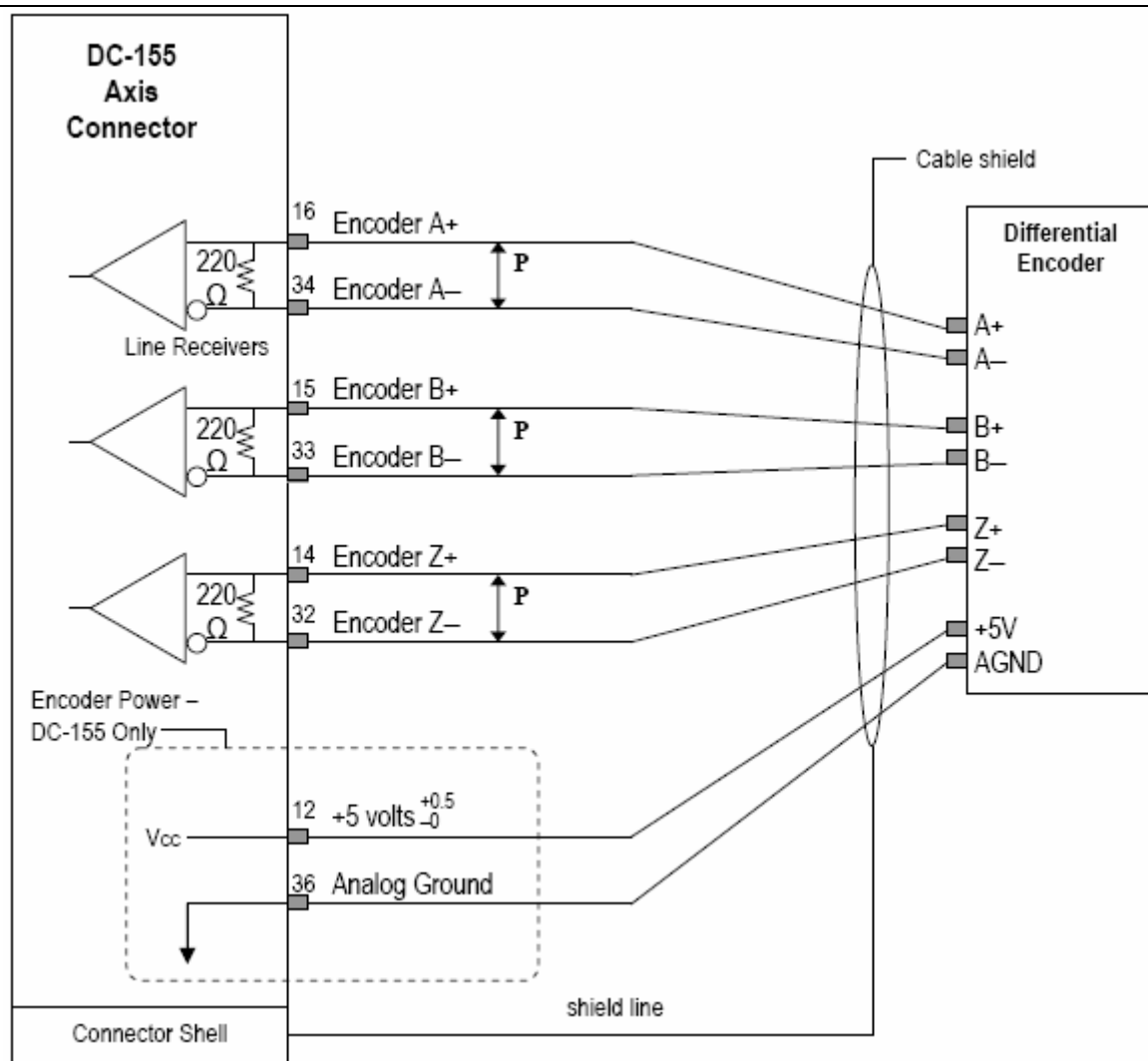
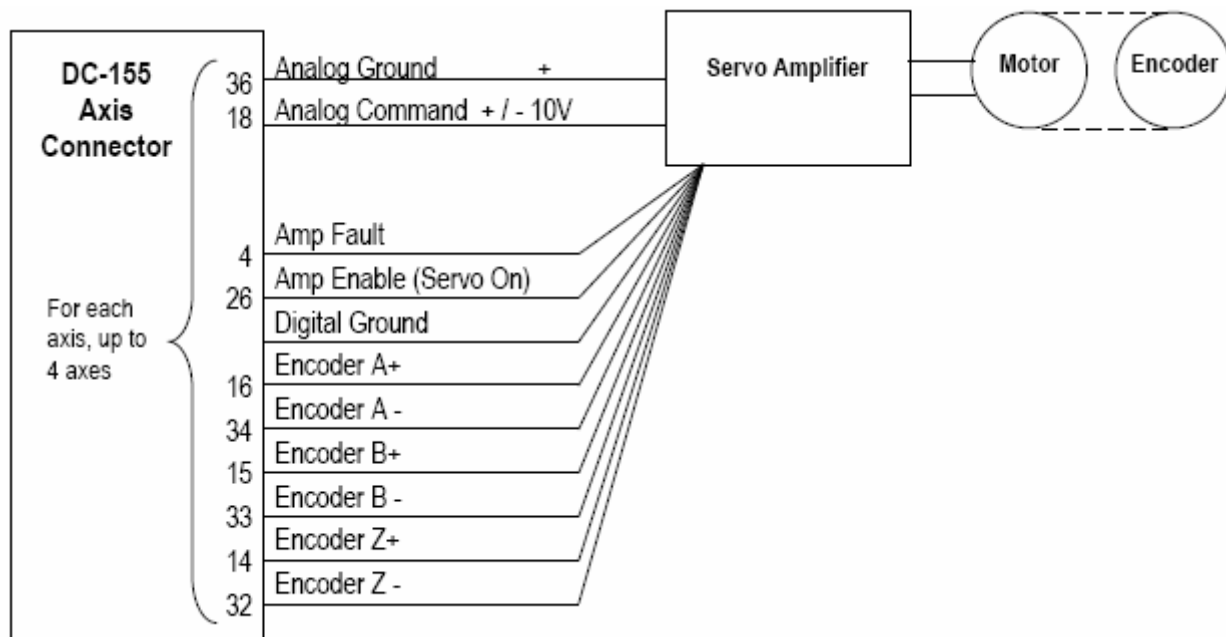


PIN NO.	SIGNAL	PIN NO.	SIGNAL
1	INB0	20	INB1
2	INB2	21	INB3
3	INB4	22	INB5
4	INB6	23	INB7
5	COM0_GND (for inputs)	24	INB8
6	INB9	25	INB10
7	INB11	26	INB12
8	INB13	27	INB14
9	INB15	28	NC
10	COM1_GND (for outputs 0 – 7, pins 11-14 & 29-32)	29	OUTB0
11	OUTB1	30	OUTB2
12	OUTB3	31	OUTB4
13	OUTB5	32	OUTB6
14	OUTB7	33	NC
15	COM2_GND (for outputs 8 – 15, pins 16-19 & 34-37)	34	OUTB8
16	OUTB9	35	OUTB10
17	OUTB11	36	OUTB12
18	OUTB13	37	OUTB14
19	OUTB15		

PORT 1,2,3,4,5 EKSEN ÇIKIŞI



PIN NO.	NAME	I/O	SERVO FUNCTION
1			
2	SS3	I	Servo Status 3
3	SS1	I	Servo Status 1
4	FAULT	I	Amp Fault
5	SC3	O	Servo Command 3
6	SC1	O	Servo Command 1
7	RST	O	Amp Reset (Alarm Reset)
8	GND		Isolated 24V Return
9	V _{OUT}	O	Isolated 24 VDC Output For Servo-Related I/O
10			
11			
12	+5V	O	5 VDC for Encoders, 1000 mA/unit Maximum, Isolated
13			
14	E_Z_H	I	Encoder Signal Z, High Side
15	E_B_H	I	Encoder Signal B, High Side
16	E_A_H	I	Encoder Signal A, High Side
17			
18	A_OUT	O	Analog Command
19	AGND		Analog Ground
20	GND		Isolated 24V Return
21	SS2	I	Servo Status 2
22	SS0	I	Servo Status 0
23	GND		Isolated 24V Return
24	SC2	O	Servo Command 2
25	SC0	O	Servo Command 0
26	SVON	O	Amp Enable (Servo On)
27	GND		Isolated 24V Return
28			
29			
30			
31			
32	E_Z_L	I	Encoder Signal Z, Low Side
33	E_B_L	I	Encoder Signal B, Low Side
34	E_A_L	I	Encoder Signal A, Low Side
35	SG		Signal Ground
36	AGND		Analog Ground



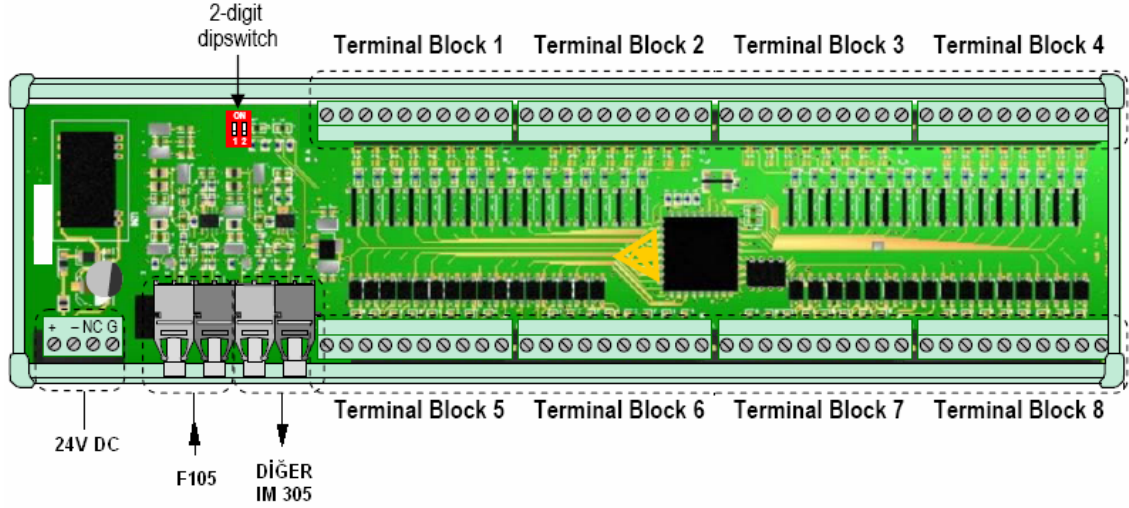
PORT I/O 1 ÇIKIŞI

PIN NO.	NAME	I/O	SERVO AND I/O FUNCTION
1	COM1		Common 1 (Ground for digital outputs)
2	DO6	O	Digital Output 6
3	DO4	O	Digital Output 4
4	DO3	O	Digital Output 3
5	DO1	O	Digital Output 1
6	COM1		Common 1 (Ground for digital outputs)
7			
8			
9			
10	DI7	I	Digital Input 7
11	DI5	I	Digital Input 5
12	DI3	I	Digital Input 3
13	DI1	I	Digital Input 1
14	COM0		Common 0 (Ground for digital inputs)
15	NLS1	I	Negative Limit Switch 1
16	GND		24V Return (isolated digital ground common for servo-related inputs such as limit switches & home switches)
17	NLS0	I	Negative Limit Switch 0
18	GND		24V Return (isolated digital ground common for servo-related inputs such as limit switches & home switches)
19	COM1		Common 1 (Ground for digital outputs)
20	DO7	O	Digital Output 7
21	DO5	O	Digital Output 5
22	COM1		Common 1 (Ground for digital outputs)
23	DO2	O	Digital Output 2
24	DO0	O	Digital Output 0
25	COM1		Common 1 (Ground for digital outputs)
26	AGND	I	Analog Ground
27	AGND	I	Analog Ground
28	COM0		Common 0 (Ground for digital inputs)
29	DI6	I	Digital Input 6
30	DI4	I	Digital Input 4
31	DI2	I	Digital Input 2
32	DI0	I	Digital Input 0
33	PLS1	I	Positive Limit Switch 1
34	HS1	I	Home Switch 1
35	PLS0	I	Positive Limit Switch 0
36	HS0	I	Home Switch 0

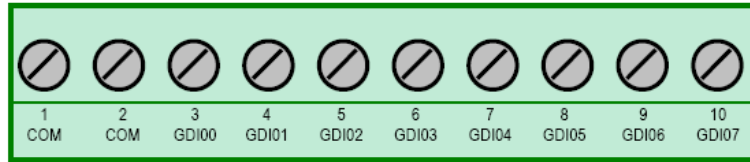
PORT I/O2 ÇIKIŞI

PIN NO.	NAME	I/O	SERVO AND I/O FUNCTION
1	COM2		Common 2 (Ground for digital outputs)
2	DO14	O	Digital Output 14
3	DO12	O	Digital Output 12
4	DO11	O	Digital Output 11
5	DO9	O	Digital Output 9
6	COM2		Common 2 (Ground for digital outputs)
7			
8			
9			
10	DI15	I	Digital Input 15
11	DI13	I	Digital Input 13
12	DI11	I	Digital Input 11
13	DI9	I	Digital Input 9
14	COM0		Common 0 (Ground for digital inputs)
15	NLS3	I	Negative Limit Switch 3
16	GND		24V Return (isolated digital ground common for servo-related inputs such as limit switches & home switches)
17	NLS2	I	Negative Limit Switch 2
18	GND		24V Return (isolated digital ground common for servo-related inputs such as limit switches & home switches)
19	COM2		Common 2 (Ground for digital outputs)
20	DO15	O	Digital Output 15
21	DO13	O	Digital Output 13
22	COM2		Common 2 (Ground for digital outputs)
23	DO10	O	Digital Output 10
24	DO8	O	Digital Output 8
25	COM2		Common 2 (Ground for digital outputs)
26	AGND	I	Analog Ground
27	AGND	I	Analog Ground
28	COM0		Common 0 (Ground for digital inputs)
29	DI14	I	Digital Input 14
30	DI12	I	Digital Input 12
31	DI10	I	Digital Input 10
32	DI8	I	Digital Input 8
33	PLS3	I	Positive Limit Switch 3
34	HS3	I	Home Switch 3
35	PLS2	I	Positive Limit Switch 2
36	HS2	I	Home Switch 2

IM 305 ÇIKIŞI

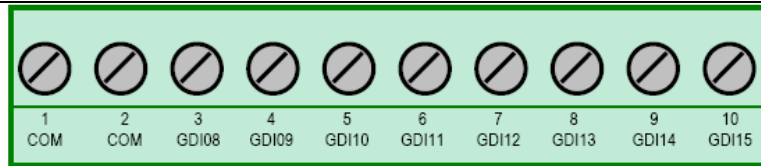


IM305 TERMİNAL 1



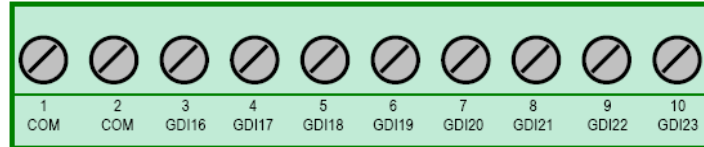
TERMINAL BLOCK 1		
PIN NO.	SIGNAL	DESCRIPTION
1	COM	Internally Isolated Common Ground
2	COM	Internally Isolated Common Ground
3	GDI00	General Digital Input 0
4	GDI01	General Digital Input 1
5	GDI02	General Digital Input 2
6	GDI03	General Digital Input 3
7	GDI04	General Digital Input 4
8	GDI15	General Digital Input 5
9	GDI06	General Digital Input 6
10	GDI07	General Digital Input 7

IM305 TERMİNAL 2



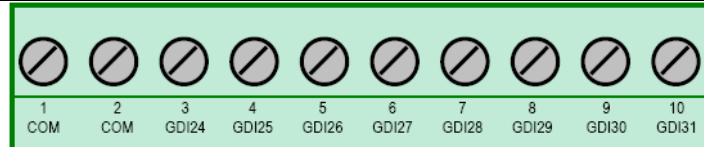
TERMINAL BLOCK 2		
PIN NO.	SIGNAL	DESCRIPTION
1	COM	Internally Isolated Common Ground
2	COM	Internally Isolated Common Ground
3	GDI08	General Digital Input 8
4	GDI09	General Digital Input 9
5	GDI10	General Digital Input 10
6	GDI11	General Digital Input 11
7	GDI12	General Digital Input 12
8	GDI13	General Digital Input 13
9	GDI14	General Digital Input 14
10	GDI15	General Digital Input 15

IM305 TERMINAL 3



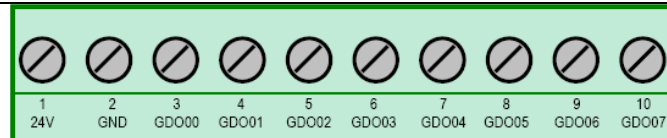
TERMINAL BLOCK 3		
PIN NO.	SIGNAL	DESCRIPTION
1	COM	Internally Isolated Common Ground
2	COM	Internally Isolated Common Ground
3	GDI16	General Digital Input 16
4	GDI17	General Digital Input 17
5	GDI18	General Digital Input 18
6	GDI19	General Digital Input 19
7	GDI20	General Digital Input 20
8	GDI21	General Digital Input 21
9	GDI22	General Digital Input 22
10	GDI23	General Digital Input 23

IM305 TERMINAL 4



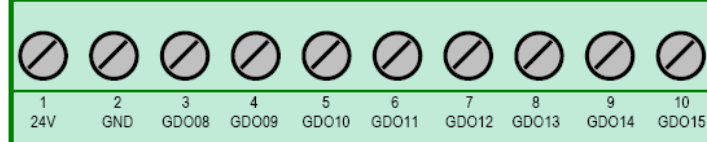
TERMINAL BLOCK 4		
PIN NO.	SIGNAL	DESCRIPTION
1	COM	Internally Isolated Common Ground
2	COM	Internally Isolated Common Ground
3	GDI24	General Digital Input 24
4	GDI25	General Digital Input 25
5	GDI26	General Digital Input 26
6	GDI27	General Digital Input 27
7	GDI28	General Digital Input 28
8	GDI29	General Digital Input 29
9	GDI30	General Digital Input 30
10	GDI31	General Digital Input 31

IM305 TERMINAL 5



TERMINAL BLOCK 5		
PIN NO.	SIGNAL	DESCRIPTION
1	24V	24 VDC Input
2	GND	Internally Isolated Common Ground
3	GDO00	General Digital Output 0
4	GDO01	General Digital Output 1
5	GDO02	General Digital Output 2
6	GDO03	General Digital Output 3
7	GDO04	General Digital Output 4
8	GDO05	General Digital Output 5
9	GDO06	General Digital Output 6
10	GDO07	General Digital Output 7

IM305 TERMINAL 6



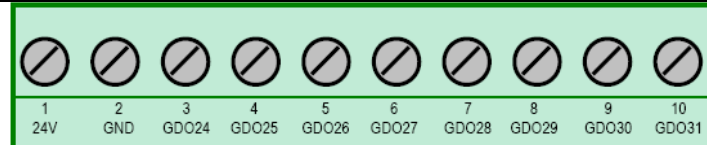
TERMINAL BLOCK 6		
PIN NO.	SIGNAL	DESCRIPTION
1	24V	24 VDC Input
2	GND	Internally Isolated Common Ground
3	GDO08	General Digital Output 8
4	GDO09	General Digital Output 9
5	GDO10	General Digital Output 10
6	GDO11	General Digital Output 11
7	GDO12	General Digital Output 12
8	GDO13	General Digital Output 13
9	GDO14	General Digital Output 14
10	GDO15	General Digital Output 15

IM305 TERMINAL 7



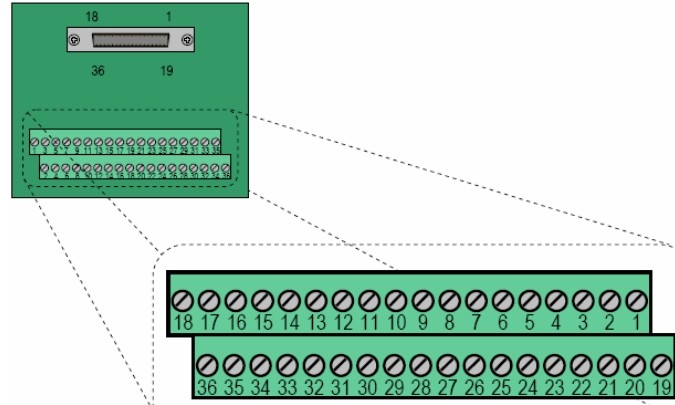
TERMINAL BLOCK 7		
PIN NO.	SIGNAL	DESCRIPTION
1	24V	24 VDC Input
2	GND	Internally Isolated Common Ground
3	GDO16	General Digital Output 16
4	GDO17	General Digital Output 17
5	GDO18	General Digital Output 18
6	GDO19	General Digital Output 19
7	GDO20	General Digital Output 20
8	GDO21	General Digital Output 21
9	GDO22	General Digital Output 22
10	GDO23	General Digital Output 23

IM305 TERMINAL 8



TERMINAL BLOCK 8		
PIN NO.	SIGNAL	DESCRIPTION
1	24V	24 VDC Input
2	GND	Internally Isolated Common Ground
3	GDO24	General Digital Output 24
4	GDO25	General Digital Output 25
5	GDO26	General Digital Output 26
6	GDO27	General Digital Output 27
7	GDO28	General Digital Output 28
8	GDO29	General Digital Output 29
9	GDO30	General Digital Output 30
10	GDO31	General Digital Output 31

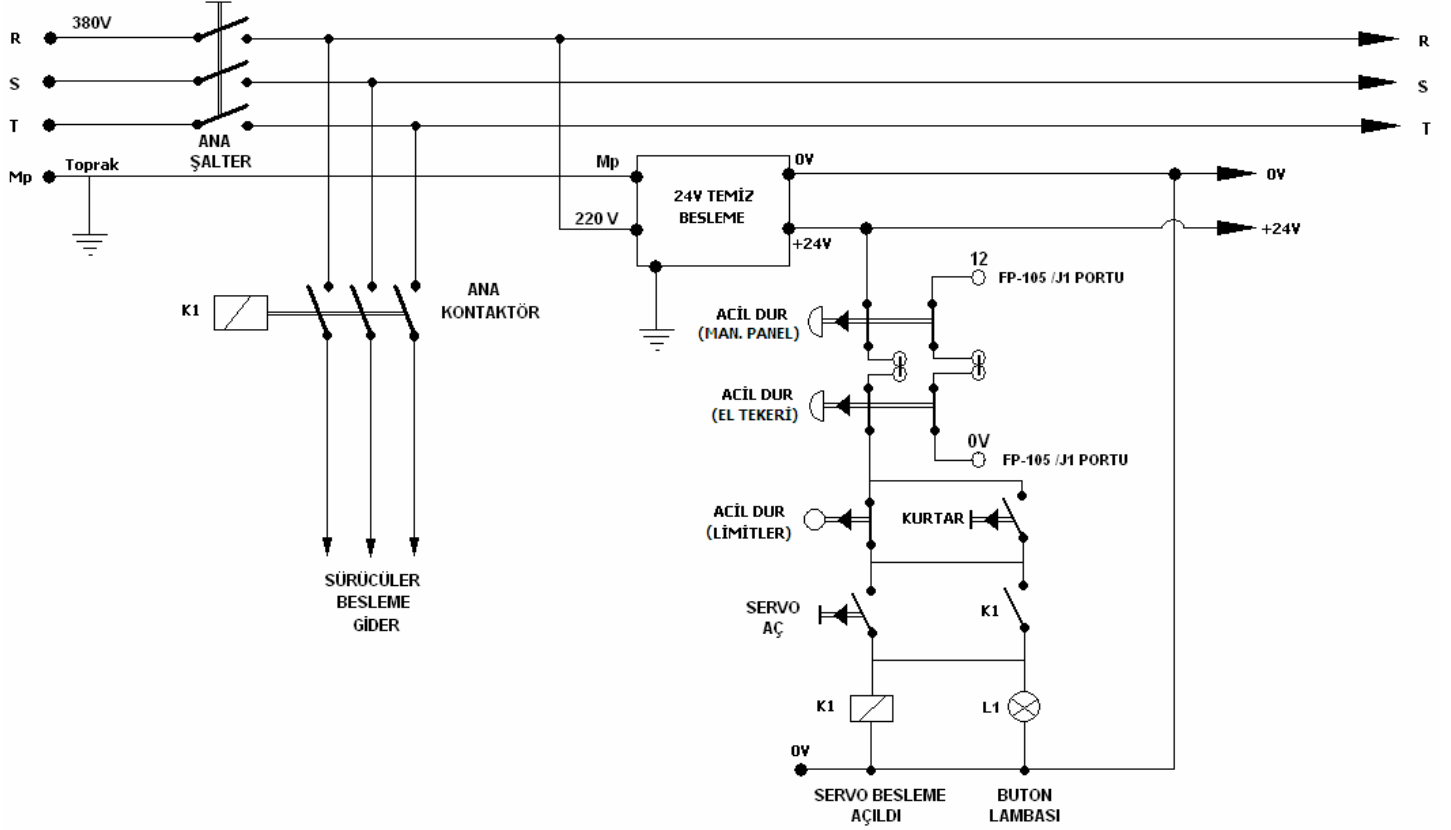
TB36B TERMINAL



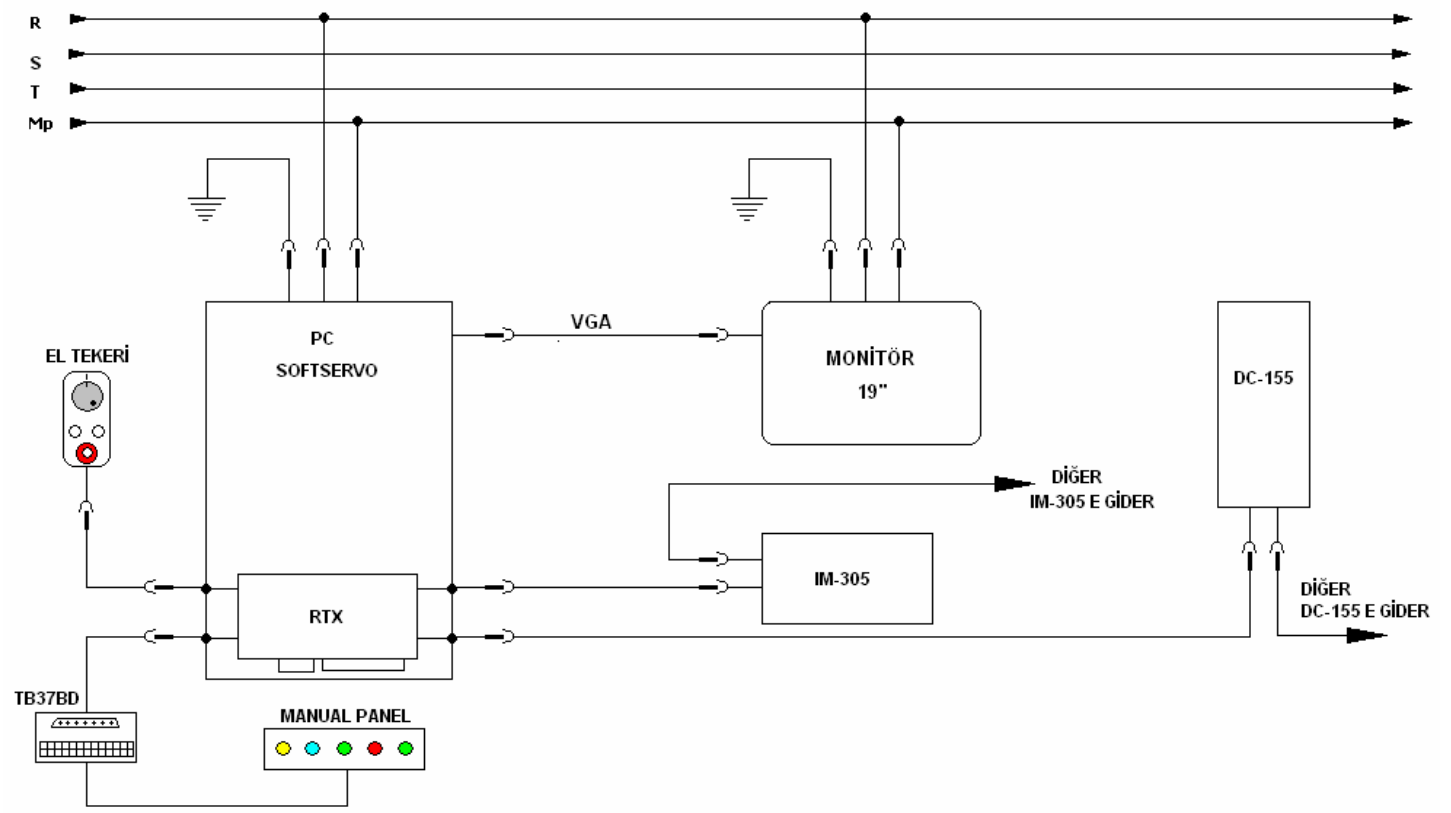
TB36A		TB36B	Cable Length: 0.5 m (1.64 ft)		DC-155 AXIS and I/O Connectors			
Terminal Block #	Terminal #	Terminal #			Connector Pin #	AXIS Signal	I/O 1 Signal	I/O 2 Signal
1	1	18		18	A_OUT	GND	GND	
	2	36		36	AGND	HS0	HS2	
	3	17		17		NLS0	NLS2	
	4	35		35	SG	PLS0	PLS2	
	5	16		16	E_A_H	GND	GND	
	6	34		34	E_A_L	HS1	HS3	
	7	15		15	E_B_H	NLS1	NLS3	
	8	33		33	E_B_L	PLS1	PLS3	
	9	14		14	E_Z_H	COM0	COM0	
	10	32		32	E_Z_L	DI0	DI8	
	11	13		13		DI1	DI9	
	12	31		31		DI2	DI10	
	13	12		12	+5V	DI3	DI11	
	14	30		30		DI4	DI12	
	15	11		11		DI5	DI13	
	16	29		29		DI6	DI14	
	17	10		10		DI7	DI15	
	18	28		28		COM0	COM0	
2	1	9	9	V _{OUT}				
	2	27	27	GND	AGND	AGND		
	3	8	8	GND				
	4	26	26	SVON	AGND	AGND		
	5	7	7	RST				
	6	25	25	SC0	COM1	COM2		
	7	6	6	SC1	COM1	COM2		
	8	24	24	SC2	DO0	DO8		
	9	5	5	SC3	DO1	DO9		
	10	23	23	GND	DO2	DO10		
	11	4	4	FAULT	DO3	DO11		
	12	22	22	SS0	COM1	COM2		
	13	3	3	SS1	DO4	DO12		
	14	21	21	SS2	DO5	DO13		
	15	2	2	SS3	DO6	DO14		
	16	20	20	GND	DO7	DO15		
	17	1	1		COM1	COM2		
	18	19	19	AGND	COM1	COM2		
					Connector Case			

5- ELEKTRİK PROJESİ

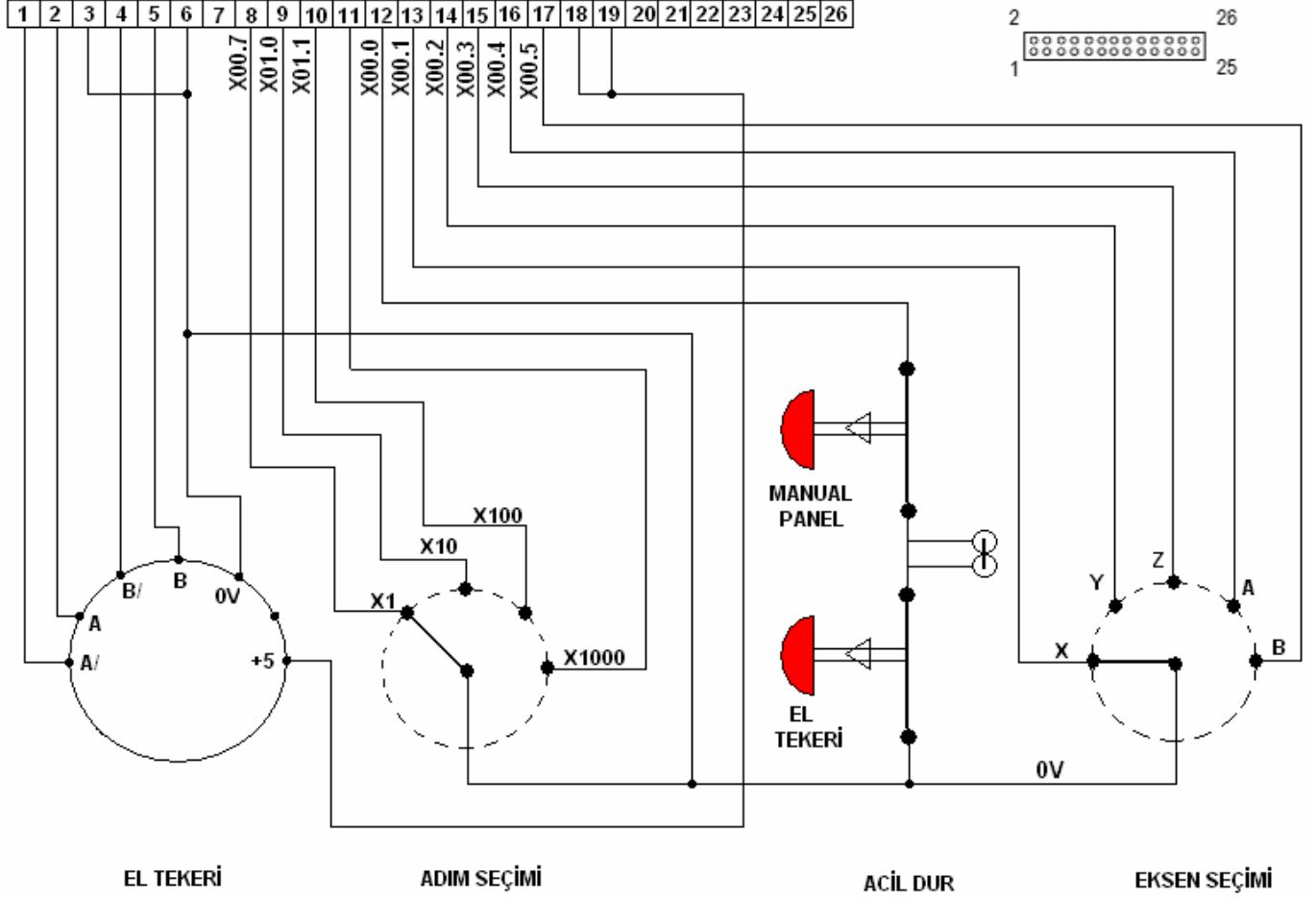
SİSTEM AÇ / KAPA



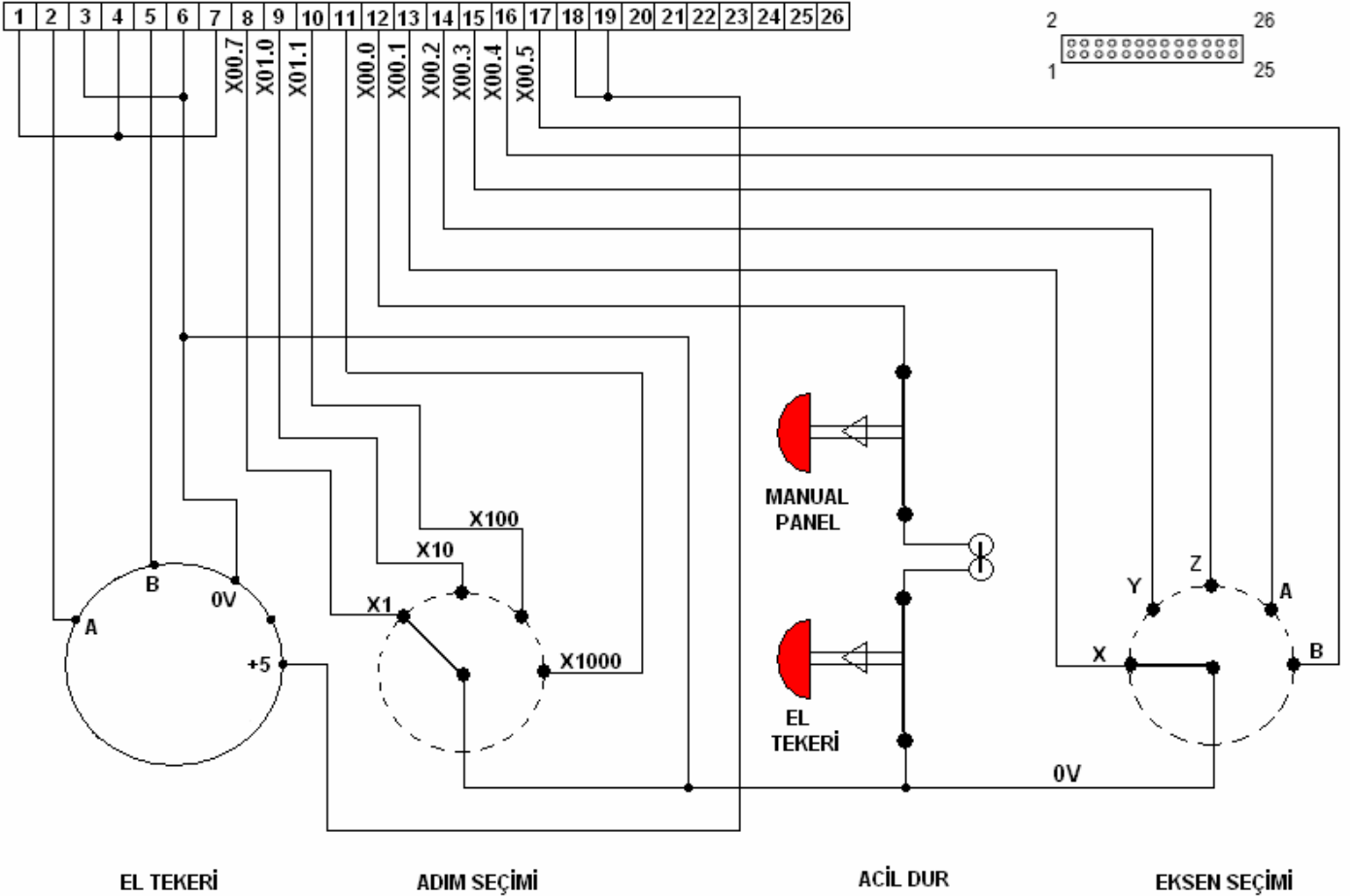
KONTROL SİSTEMİ



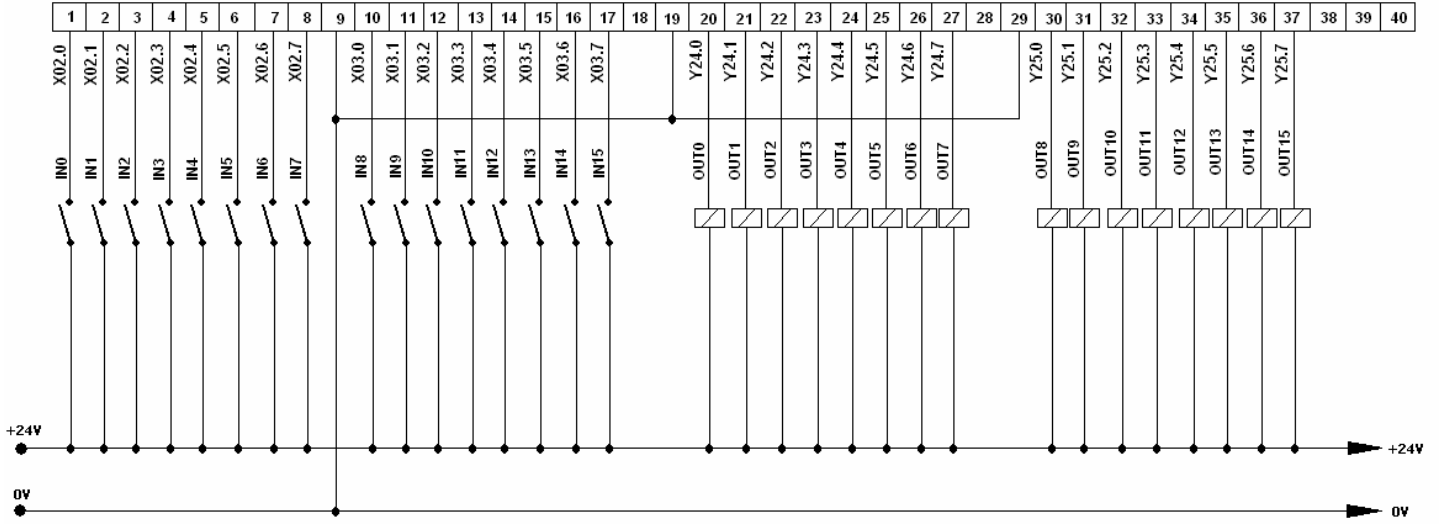
EL TEKERİ (A,A/,B,B/)



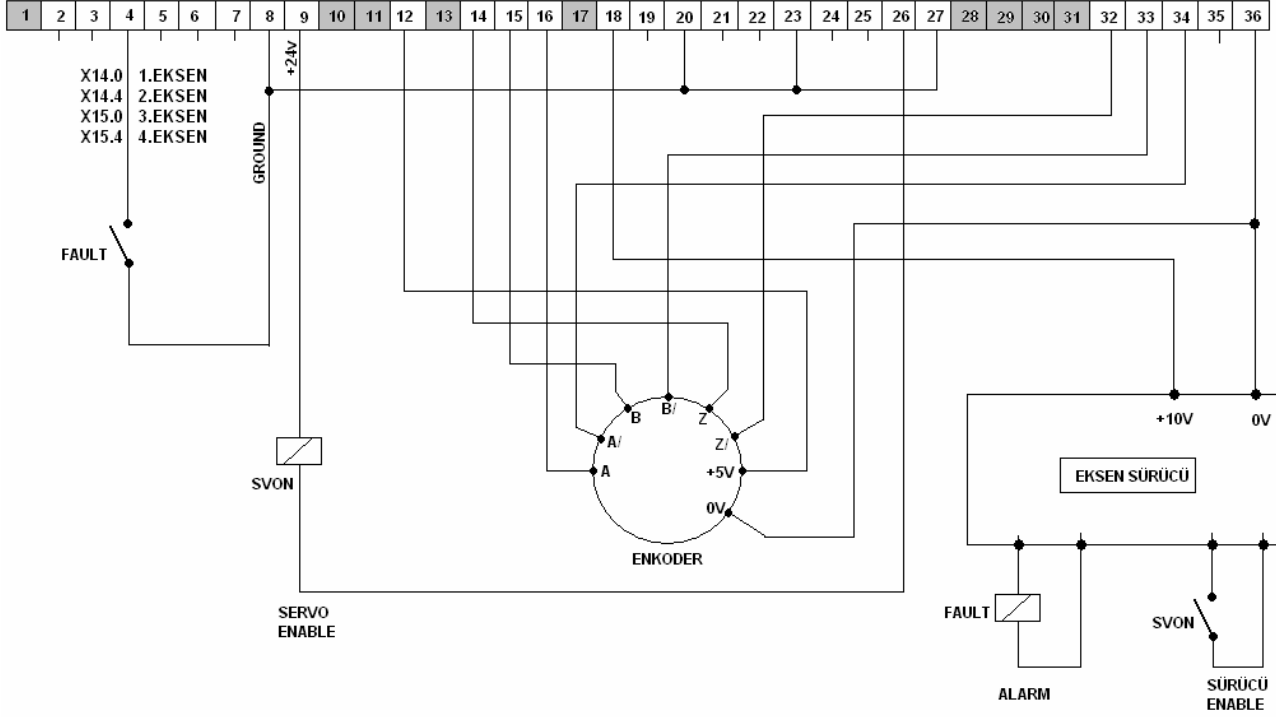
EL TEKERİ (A,B)



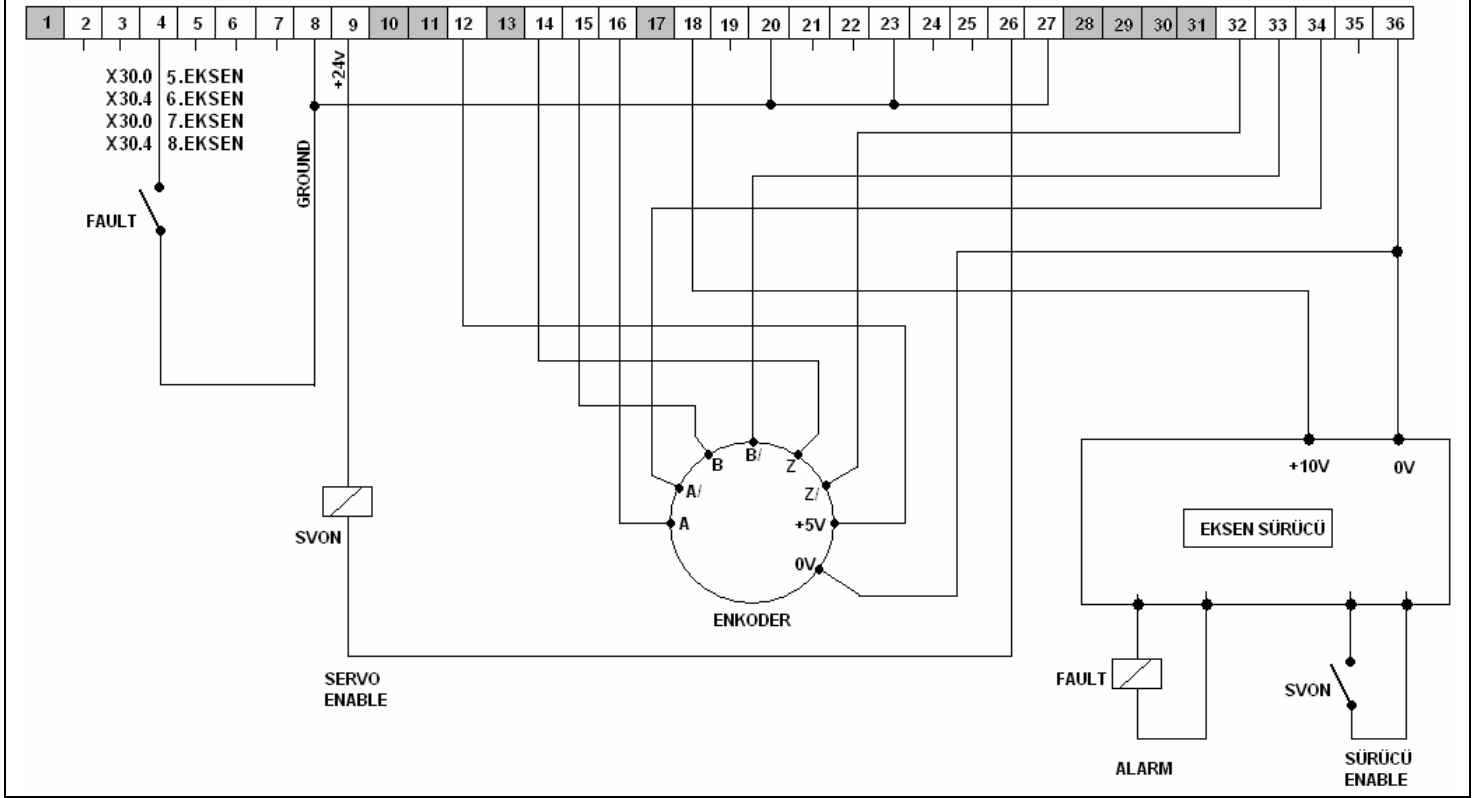
FP-105 /IO



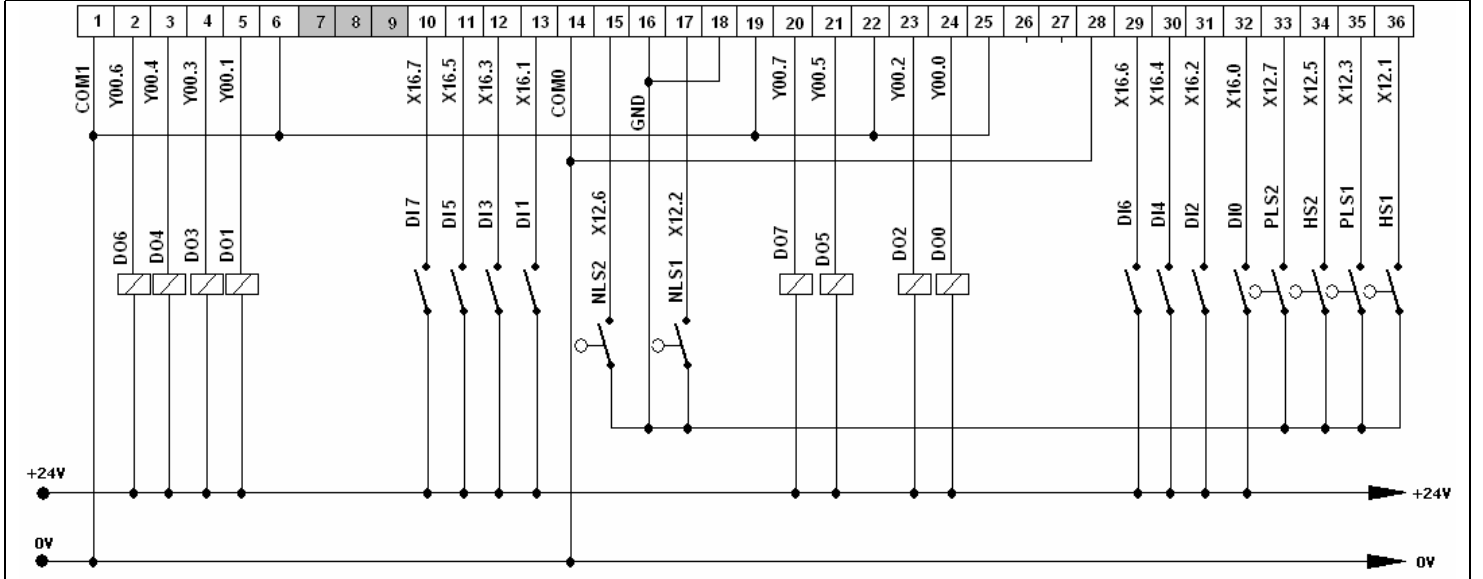
DC-155 SERVO-1 BAĞLANTISI



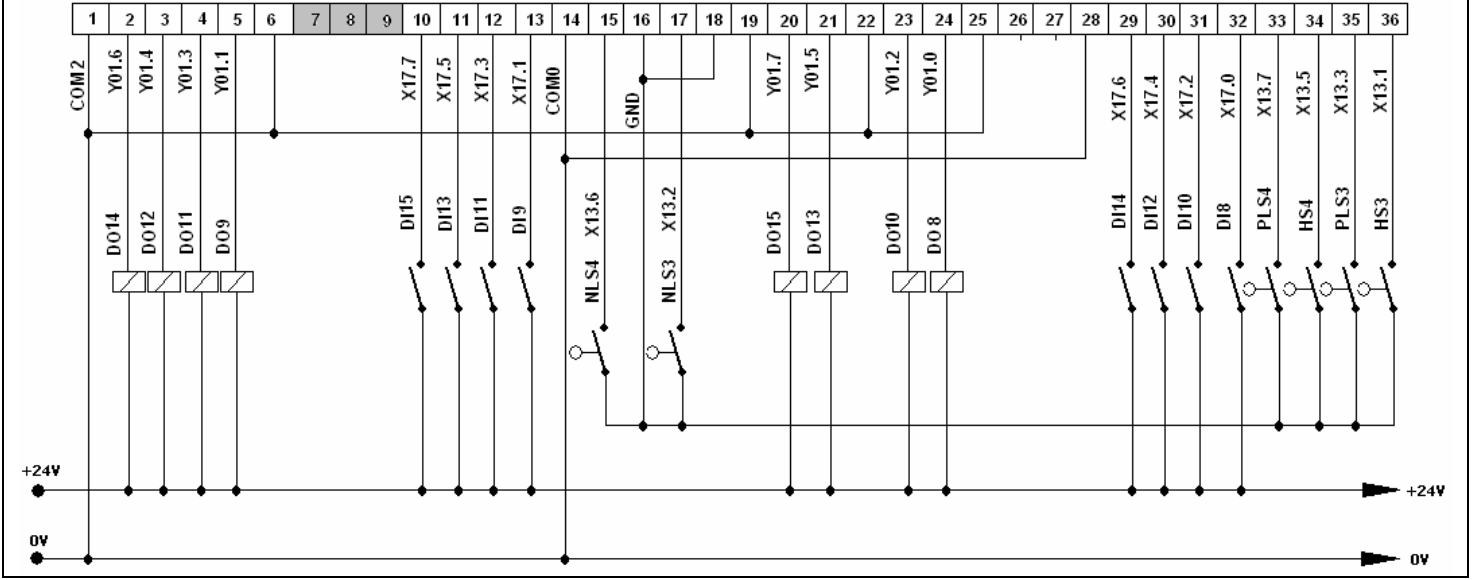
DC-155 SERVO-2 BAĞLANTISI



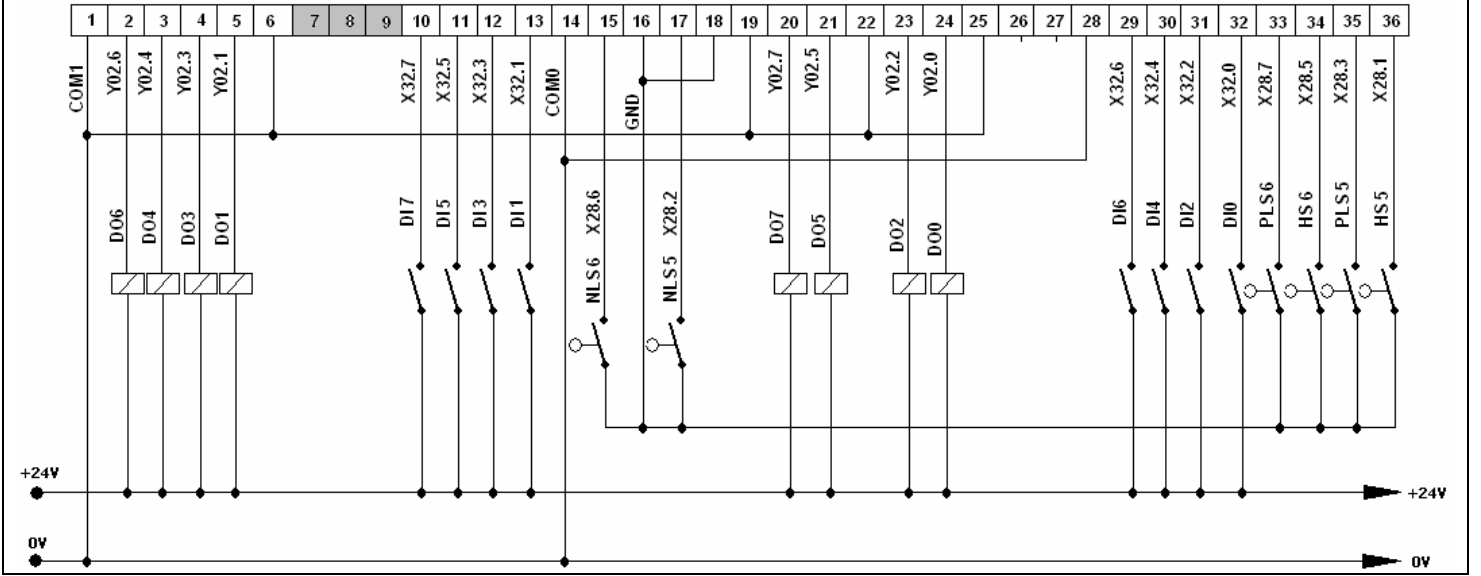
DC-155 I/O BAĞLANTISI-1



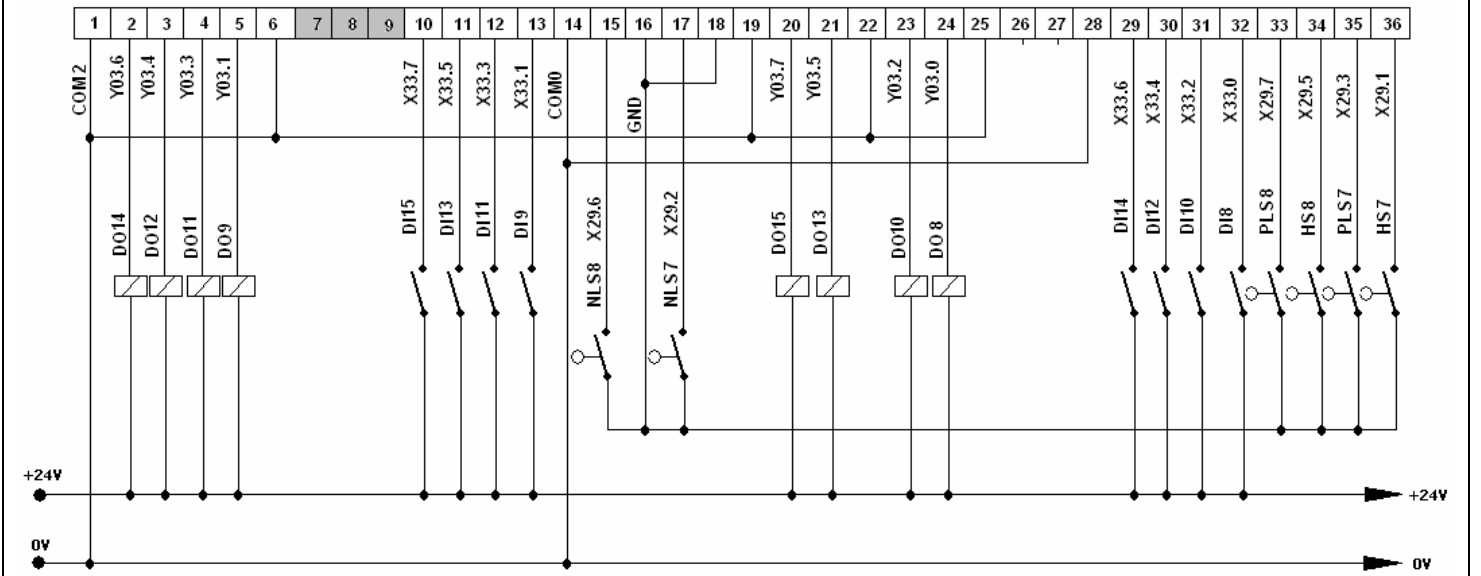
DC-155 I/O BAĞLANTISI-2



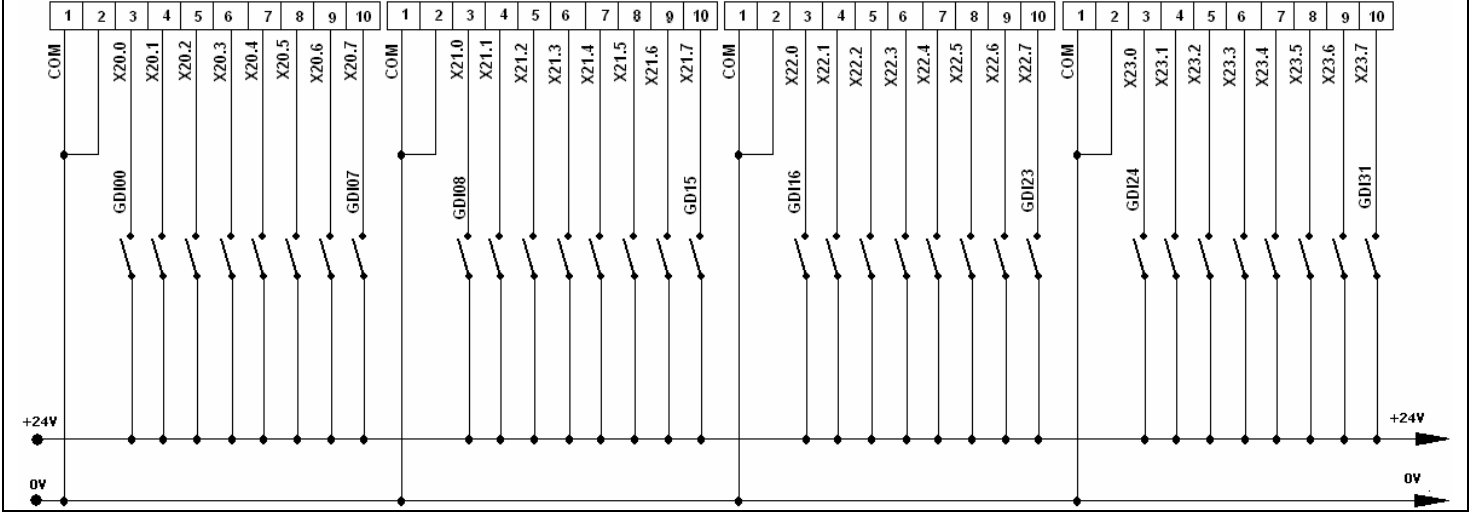
DC-155 I/O BAĞLANTISI-3



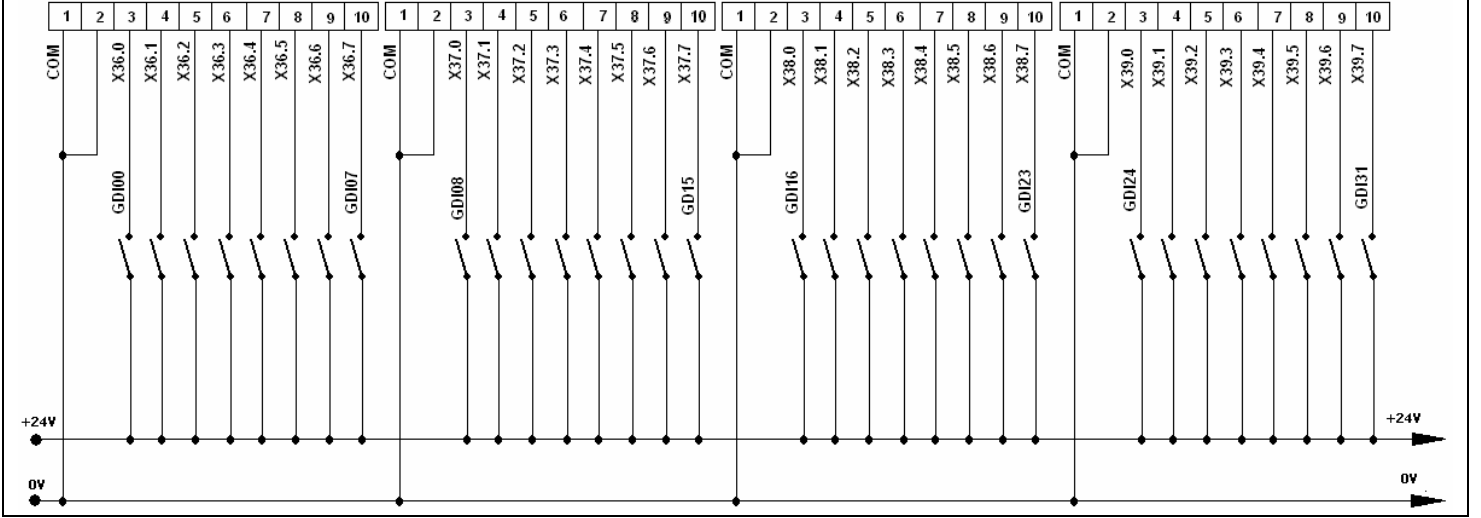
DC-155 I/O BAĞLANTISI-4



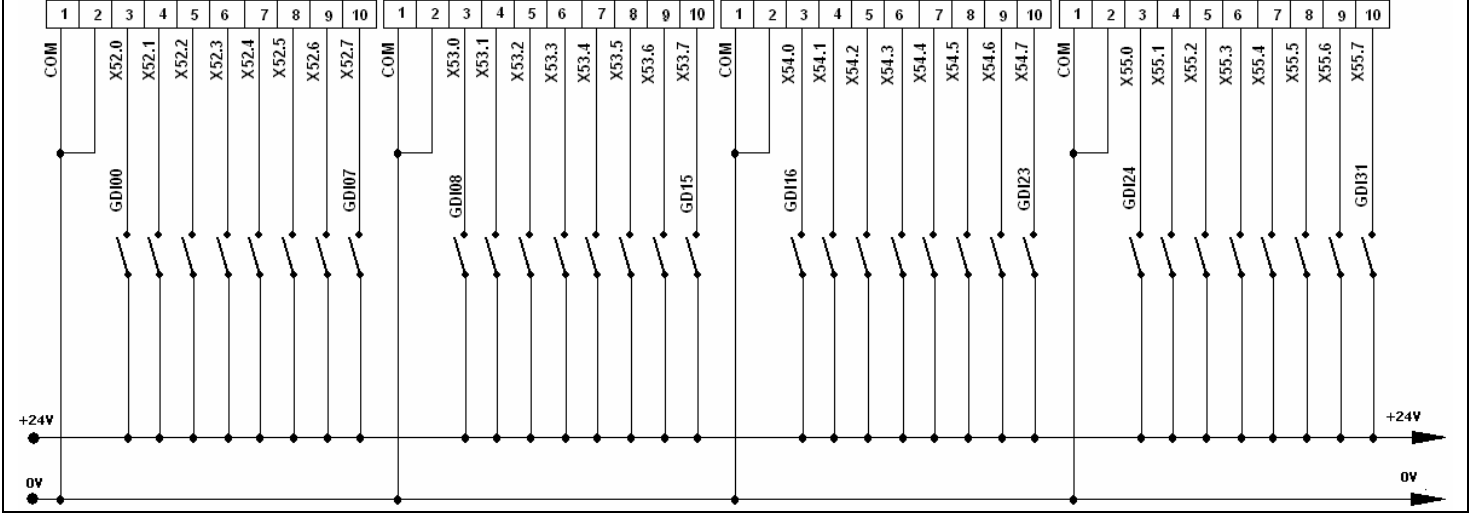
IM-305 BAĞLANTISI-GİRİŞLER-1



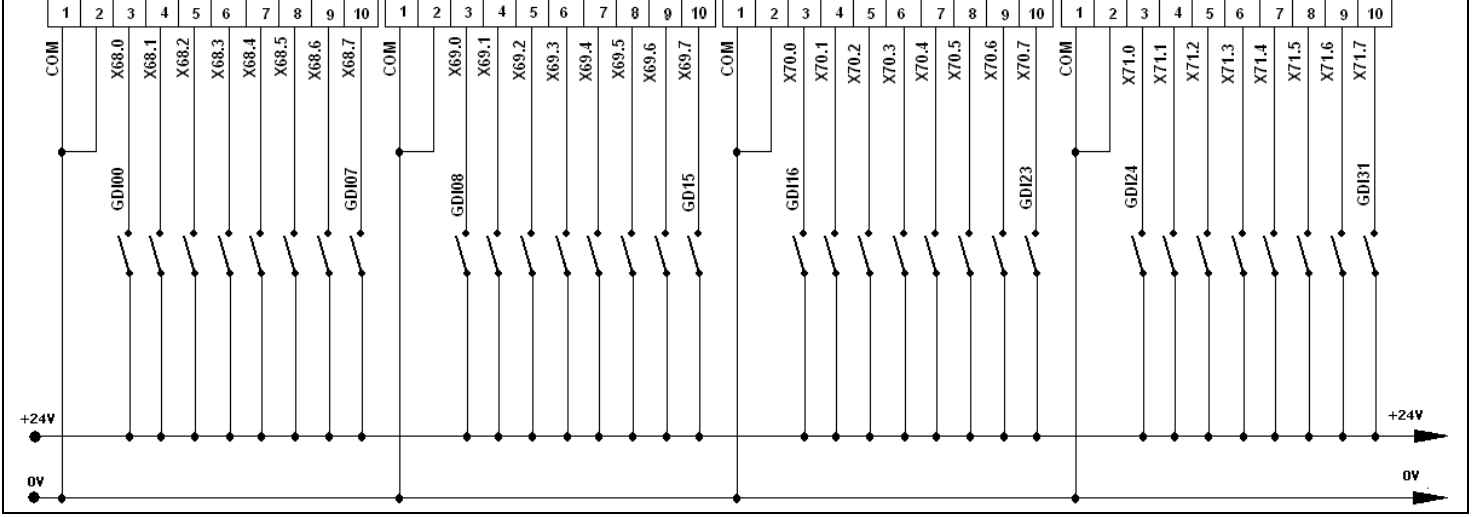
IM-305 BAĞLANTISI-GİRİŞLER-2



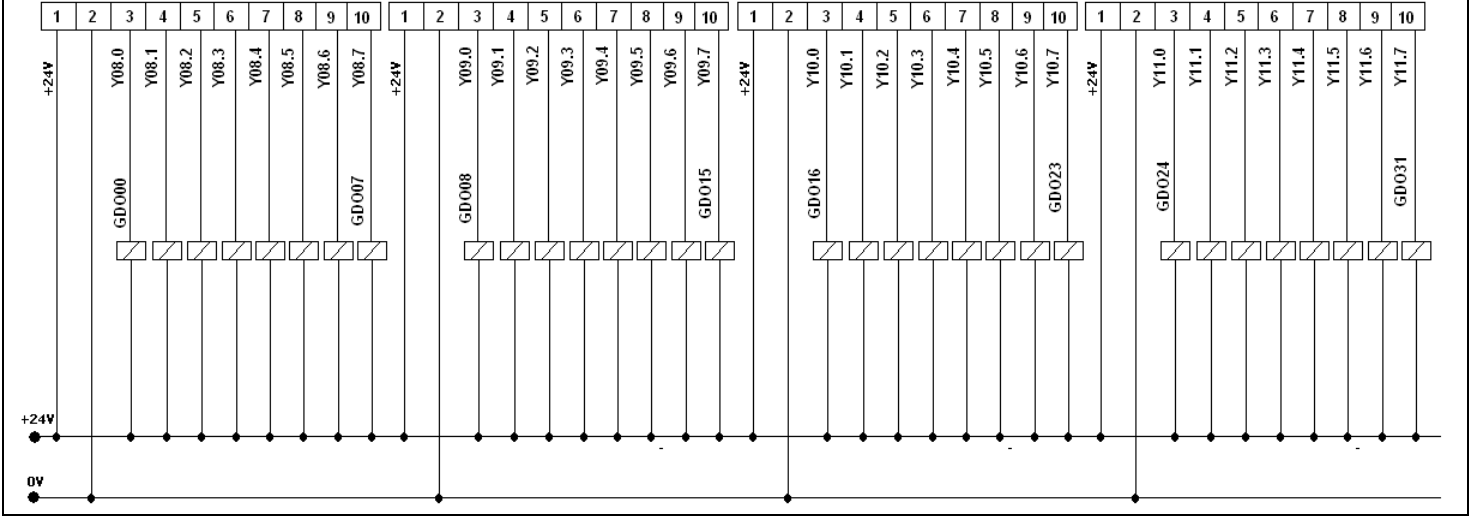
IM-305 BAĞLANTISI-GİRİŞLER-3



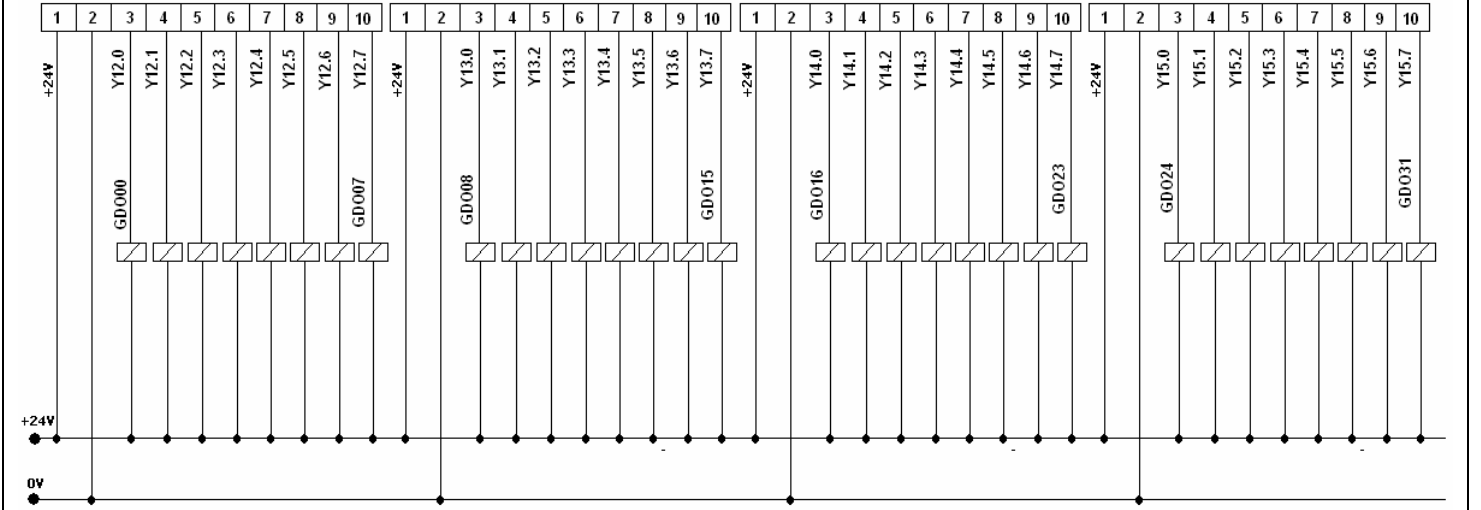
IM-305 BAĞLANTISI-GİRİŞLER-4



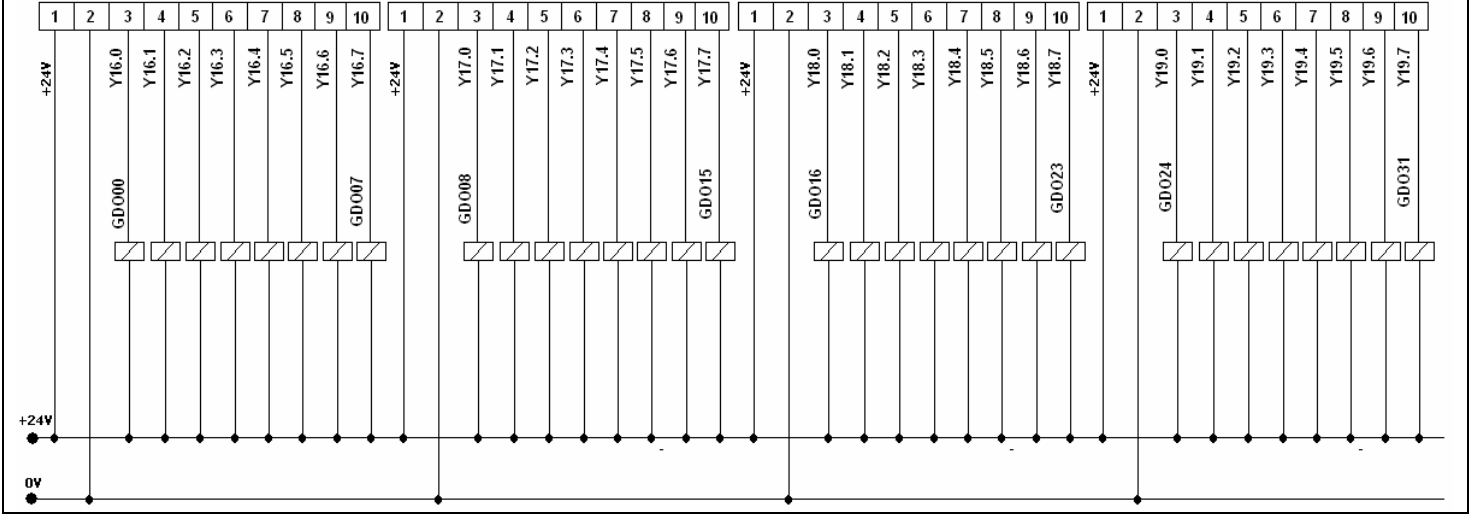
IM-305 BAĞLANTISI-ÇIKIŞLAR-1



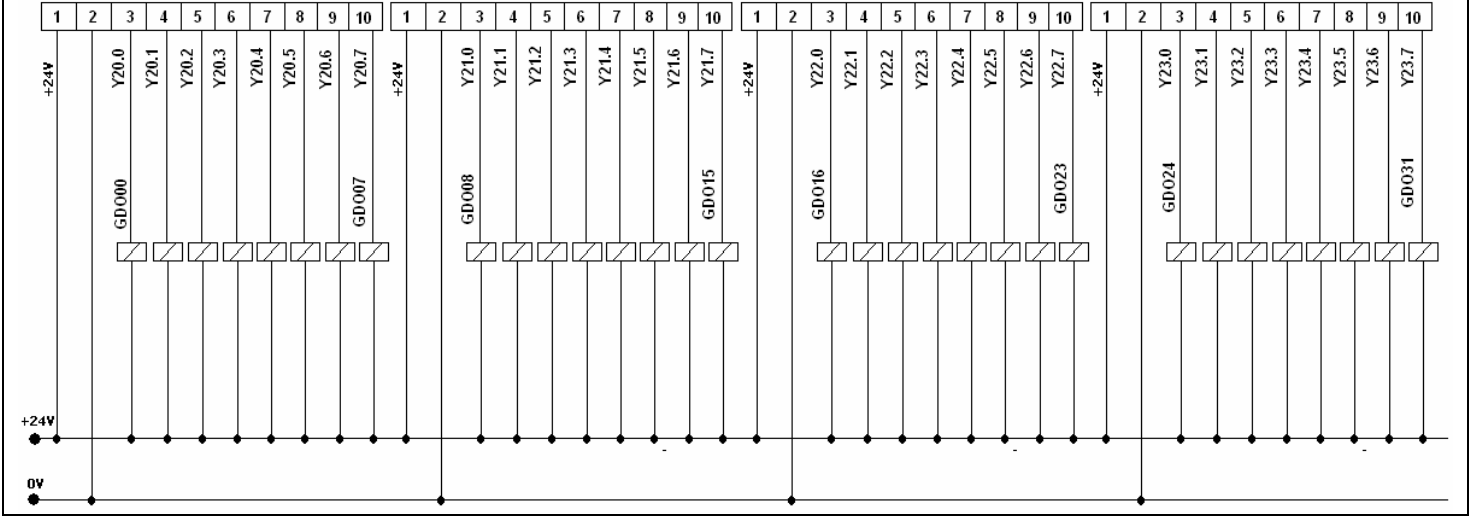
IM-305 BAĞLANTISI-ÇIKIŞLAR-2



IM-305 BAĞLANTISI-ÇIKIŞLAR-3



IM-305 BAĞLANTISI-ÇIKIŞLAR-4



6- PLC ADRESLERİ

GİRİŞ ADRESLERİ (X00.0 – X71.0)

ADRES	ADI	İŞLEVİ	AÇIKLAMA
X00.0	HW_ESTP	EL TEKERİNDEKİ ACİL DUR	
X00.1	HW_X	EL TEKERİ X EKSENİ	
X00.2	HW_Y	EL TEKERİ Y EKSENİ	
X00.3	HW_Z	EL TEKERİ Z EKSENİ	
X00.4	HW_4	EL TEKERİ 4 EKSENİ	
X00.5	HW_5	EL TEKERİ 5 EKSENİ	
X00.7	HW_X1	EL TEKERİ X1	
X01.0	HW_X10	EL TEKERİ X10	
X01.1	HW_X100	EL TEKERİ X100	
X02.0	FP_Din_0	FP-105 I/O / GİRİŞ 0	
X02.1	FP_Din_1	FP-105 I/O / GİRİŞ 1	
X02.2	FP_Din_2	FP-105 I/O / GİRİŞ 2	
X02.3	FP_Din_3	FP-105 I/O / GİRİŞ 3	
X02.4	FP_Din_4	FP-105 I/O / GİRİŞ 4	
X02.5	FP_Din_5	FP-105 I/O / GİRİŞ 5	
X02.6	FP_Din_6	FP-105 I/O / GİRİŞ 6	
X02.7	FP_Din_7	FP-105 I/O / GİRİŞ 7	
X03.0	FP_Din_8	FP-105 I/O / GİRİŞ 8	
X03.1	FP_Din_9	FP-105 I/O / GİRİŞ 9	
X03.2	FP_Din_10	FP-105 I/O / GİRİŞ 10	
X03.3	FP_Din_11	FP-105 I/O / GİRİŞ 11	
X03.4	FP_Din_12	FP-105 I/O / GİRİŞ 12	
X03.5	FP_Din_13	FP-105 I/O / GİRİŞ 13	
X03.6	FP_Din_14	FP-105 I/O / GİRİŞ 14	
X03.7	FP_Din_15	FP-105 I/O / GİRİŞ 15	
X12.1	HS_1	1. EKSEN EVE GİT SWITCH	
X12.2	NLS_1	1.EKSEN NEGATİF LİMİT SWITCH	
X12.3	PLS_1	1.EKSEN POZİTİF LİMİT SWITCH	
X12.5	HS_2	2. EKSEN EVE GİT SWITCH	
X12.6	NLS_2	2.EKSEN NEGATİF LİMİT SWITCH	
X12.7	PLS_2	2.EKSEN POZİTİF LİMİT SWITCH	
X13.1	HS_3	3. EKSEN EVE GİT SWITCH	
X13.2	NLS_3	3.EKSEN NEGATİF LİMİT SWITCH	
X13.3	PLS_3	3.EKSEN POZİTİF LİMİT SWITCH	
X13.5	HS_4	4. EKSEN EVE GİT SWITCH	
X13.6	NLS_4	4.EKSEN NEGATİF LİMİT SWITCH	
X13.7	PLS_4	4.EKSEN POZİTİF LİMİT SWITCH	
X14.0	AF_1	1.EKSEN SÜRÜCÜ ALARM	
X14.4	AF_2	2.EKSEN SÜRÜCÜ ALARM	
X15.0	AF_3	3.EKSEN SÜRÜCÜ ALARM	
X15.4	AF_4	4.EKSEN SÜRÜCÜ ALARM	
X16.0	DC_#1_Din_0	DC-155 /IO1 / GİRİŞ 0	
X16.1	DC_#1_Din_1	DC-155 /IO1 / GİRİŞ 1	
X16.2	DC_#1_Din_2	DC-155 /IO1 / GİRİŞ 2	
X16.3	DC_#1_Din_3	DC-155 /IO1 / GİRİŞ 3	
X16.4	DC_#1_Din_4	DC-155 /IO1 / GİRİŞ 4	
X16.5	DC_#1_Din_5	DC-155 /IO1 / GİRİŞ 5	
X16.6	DC_#1_Din_6	DC-155 /IO1 / GİRİŞ 6	
X16.7	DC_#1_Din_7	DC-155 /IO1 / GİRİŞ 7	
X17.0	DC_#1_Din_8	DC-155 /IO2 / GİRİŞ 8	
X17.1	DC_#1_Din_9	DC-155 /IO2 / GİRİŞ 9	
X17.2	DC_#1_Din_10	DC-155 /IO2 / GİRİŞ 10	
X17.3	DC_#1_Din_11	DC-155 /IO2 / GİRİŞ 11	
X17.4	DC_#1_Din_12	DC-155 /IO2 / GİRİŞ 12	
X17.5	DC_#1_Din_13	DC-155 /IO2 / GİRİŞ 13	

ADRES	ADI	İŞLEVİ	AÇIKLAMA
X17.6	DC_#1_Din_14	DC-155 /IO2 / GİRİŞ 14	
X17.7	DC_#1_Din_15	DC-155 /IO2 / GİRİŞ 15	
X20.0	IM_#1_Din_0	IM-305-1 / GİRİŞ 1	
X20.1	IM_#1_Din_1	IM-305-1 / GİRİŞ 2	
X20.2	IM_#1_Din_2	IM-305-1 / GİRİŞ 3	
X20.3	IM_#1_Din_3	IM-305-1 / GİRİŞ 4	
X20.4	IM_#1_Din_4	IM-305-1 / GİRİŞ 5	
X20.5	IM_#1_Din_5	IM-305-1 / GİRİŞ 6	
X20.6	IM_#1_Din_6	IM-305-1 / GİRİŞ 7	
X20.7	IM_#1_Din_7	IM-305-1 / GİRİŞ 8	
X21.0	IM_#1_Din_7	IM-305-1 / GİRİŞ 9	
X21.1	IM_#1_Din_7	IM-305-1 / GİRİŞ 10	
X21.2	IM_#1_Din_7	IM-305-1 / GİRİŞ 11	
X21.3	IM_#1_Din_7	IM-305-1 / GİRİŞ 12	
X21.4	IM_#1_Din_7	IM-305-1 / GİRİŞ 13	
X21.5	IM_#1_Din_7	IM-305-1 / GİRİŞ 14	
X21.6	IM_#1_Din_7	IM-305-1 / GİRİŞ 15	
X21.7	IM_#1_Din_7	IM-305-1 / GİRİŞ 16	
X22.0	IM_#1_Din_7	IM-305-1 / GİRİŞ 17	
X22.1	IM_#1_Din_7	IM-305-1 / GİRİŞ 18	
X22.2	IM_#1_Din_7	IM-305-1 / GİRİŞ 19	
X22.3	IM_#1_Din_7	IM-305-1 / GİRİŞ 20	
X22.4	IM_#1_Din_7	IM-305-1 / GİRİŞ 21	
X22.5	IM_#1_Din_7	IM-305-1 / GİRİŞ 22	
X22.6	IM_#1_Din_7	IM-305-1 / GİRİŞ 23	
X22.7	IM_#1_Din_7	IM-305-1 / GİRİŞ 24	
X23.0	IM_#1_Din_7	IM-305-1 / GİRİŞ 25	
X23.1	IM_#1_Din_7	IM-305-1 / GİRİŞ 26	
X23.2	IM_#1_Din_7	IM-305-1 / GİRİŞ 27	
X23.3	IM_#1_Din_7	IM-305-1 / GİRİŞ 28	
X23.4	IM_#1_Din_7	IM-305-1 / GİRİŞ 29	
X23.5	IM_#1_Din_7	IM-305-1 / GİRİŞ 30	
X23.6	IM_#1_Din_7	IM-305-1 / GİRİŞ 31	
X23.7	IM_#1_Din_7	IM-305-1 / GİRİŞ 32	
X28.1	HS_5	5. EKSEN EVE GİT SWITCH	
X28.2	NLS_5	5.EKSEN NEGATİF LİMİT SWITCH	
X28.3	PLS_5	5.EKSEN POZİTİF LİMİT SWITCH	
X28.5	HS_6	6. EKSEN EVE GİT SWITCH	
X28.6	NLS_6	6.EKSEN NEGATİF LİMİT SWITCH	
X28.7	PLS_6	6.EKSEN POZİTİF LİMİT SWITCH	
X29.1	HS_7	7. EKSEN EVE GİT SWITCH	
X29.2	NLS_7	7.EKSEN NEGATİF LİMİT SWITCH	
X29.3	PLS_7	7.EKSEN POZİTİF LİMİT SWITCH	
X29.5	HS_8	8. EKSEN EVE GİT SWITCH	
X29.6	NLS_8	8.EKSEN NEGATİF LİMİT SWITCH	
X29.7	PLS_8	8.EKSEN POZİTİF LİMİT SWITCH	
X30.0	AF_5	5.EKSEN SÜRÜCÜ ALARM	
X30.4	AF_6	6.EKSEN SÜRÜCÜ ALARM	
X31.0	AF_7	7.EKSEN SÜRÜCÜ ALARM	
X31.4	AF_8	8.EKSEN SÜRÜCÜ ALARM	
X32.0	DC_#2_Din_0	DC-155 /IO3 / GİRİŞ 0	
X32.1	DC_#2_Din_1	DC-155 /IO3 / GİRİŞ 1	
X32.2	DC_#2_Din_2	DC-155 /IO3 / GİRİŞ 2	
X32.3	DC_#2_Din_3	DC-155 /IO3 / GİRİŞ 3	
X32.4	DC_#2_Din_4	DC-155 /IO3 / GİRİŞ 4	
X32.5	DC_#2_Din_5	DC-155 /IO3 / GİRİŞ 5	

ADRES	ADI	İŞLEVİ	AÇIKLAMA
X32.6	DC_#2_Din_6	DC-155 /IO3 / GİRİŞ 6	
X32.7	DC_#2_Din_7	DC-155 /IO3 / GİRİŞ 7	
X33.0	DC_#2_Din_8	DC-155 /IO4 / GİRİŞ 8	
X33.1	DC_#2_Din_9	DC-155 /IO4 / GİRİŞ 9	
X33.2	DC_#2_Din_10	DC-155 /IO4 / GİRİŞ 10	
X33.3	DC_#2_Din_11	DC-155 /IO4 / GİRİŞ 11	
X33.4	DC_#2_Din_12	DC-155 /IO4 / GİRİŞ 12	
X33.5	DC_#2_Din_13	DC-155 /IO4 / GİRİŞ 13	
X33.6	DC_#2_Din_14	DC-155 /IO4 / GİRİŞ 14	
X33.7	DC_#2_Din_15	DC-155 /IO4 / GİRİŞ 15	
X36.0	IM_#2_Din_0	IM-305-2 / GİRİŞ 1	
X36.1	IM_#2_Din_1	IM-305-2 / GİRİŞ 2	
X36.2	IM_#2_Din_2	IM-305-2 / GİRİŞ 3	
X36.3	IM_#2_Din_3	IM-305-2 / GİRİŞ 4	
X36.4	IM_#2_Din_4	IM-305-2 / GİRİŞ 5	
X36.5	IM_#2_Din_5	IM-305-2 / GİRİŞ 6	
X36.6	IM_#2_Din_6	IM-305-2 / GİRİŞ 7	
X36.7	IM_#2_Din_7	IM-305-2 / GİRİŞ 8	
X37.0	IM_#2_Din_8	IM-305-2 / GİRİŞ 9	
X37.1	IM_#2_Din_9	IM-305-2 / GİRİŞ 10	
X37.2	IM_#2_Din_10	IM-305-2 / GİRİŞ 11	
X37.3	IM_#2_Din_11	IM-305-2 / GİRİŞ 12	
X37.4	IM_#2_Din_12	IM-305-2 / GİRİŞ 13	
X37.5	IM_#2_Din_13	IM-305-2 / GİRİŞ 14	
X37.6	IM_#2_Din_14	IM-305-2 / GİRİŞ 15	
X37.7	IM_#2_Din_15	IM-305-2 / GİRİŞ 16	
X38.0	IM_#2_Din_16	IM-305-2 / GİRİŞ 17	
X38.1	IM_#2_Din_17	IM-305-2 / GİRİŞ 18	
X38.2	IM_#2_Din_18	IM-305-2 / GİRİŞ 19	
X38.3	IM_#2_Din_19	IM-305-2 / GİRİŞ 20	
X38.4	IM_#2_Din_20	IM-305-2 / GİRİŞ 21	
X38.5	IM_#2_Din_21	IM-305-2 / GİRİŞ 22	
X38.6	IM_#2_Din_22	IM-305-2 / GİRİŞ 23	
X38.7	IM_#2_Din_23	IM-305-2 / GİRİŞ 24	
X39.0	IM_#2_Din_24	IM-305-2 / GİRİŞ 25	
X39.1	IM_#2_Din_25	IM-305-2 / GİRİŞ 26	
X39.2	IM_#2_Din_26	IM-305-2 / GİRİŞ 27	
X39.3	IM_#2_Din_27	IM-305-2 / GİRİŞ 28	
X39.4	IM_#2_Din_28	IM-305-2 / GİRİŞ 29	
X39.5	IM_#2_Din_29	IM-305-2 / GİRİŞ 30	
X39.6	IM_#2_Din_30	IM-305-2 / GİRİŞ 31	
X39.7	IM_#2_Din_31	IM-305-2 / GİRİŞ 32	
X52.0	IM_#3_Din_0	IM-305-3/ GİRİŞ 1	
X52.1	IM_#3_Din_1	IM-305-3/ GİRİŞ 2	
X52.2	IM_#3_Din_2	IM-305-3/ GİRİŞ 3	
X52.3	IM_#3_Din_3	IM-305-3/ GİRİŞ 4	
X52.4	IM_#3_Din_4	IM-305-3/ GİRİŞ 5	
X52.5	IM_#3_Din_5	IM-305-3/ GİRİŞ 6	
X52.6	IM_#3_Din_6	IM-305-3/ GİRİŞ 7	
X52.7	IM_#3_Din_7	IM-305-3/ GİRİŞ 8	
X53.0	IM_#3_Din_8	IM-305-3/ GİRİŞ 9	
X53.1	IM_#3_Din_9	IM-305-3/ GİRİŞ 10	
X53.2	IM_#3_Din_10	IM-305-3/ GİRİŞ 11	
X53.3	IM_#3_Din_11	IM-305-3/ GİRİŞ 12	
X53.4	IM_#3_Din_12	IM-305-3/ GİRİŞ 13	
X53.5	IM_#3_Din_13	IM-305-3/ GİRİŞ 14	
X53.6	IM_#3_Din_14	IM-305-3/ GİRİŞ 15	

ADRES	ADI	İŞLEVİ	AÇIKLAMA
X53.7	IM_#3_Din_15	IM-305-3/ GİRİŞ 16	
X54.0	IM_#3_Din_16	IM-305-3/ GİRİŞ 17	
X54.1	IM_#3_Din_17	IM-305-3/ GİRİŞ 18	
X54.2	IM_#3_Din_18	IM-305-3/ GİRİŞ 19	
X54.3	IM_#3_Din_19	IM-305-3/ GİRİŞ 20	
X54.4	IM_#3_Din_20	IM-305-3/ GİRİŞ 21	
X54.5	IM_#3_Din_21	IM-305-3/ GİRİŞ 22	
X54.6	IM_#3_Din_22	IM-305-3/ GİRİŞ 23	
X54.7	IM_#3_Din_23	IM-305-3/ GİRİŞ 24	
X55.0	IM_#3_Din_24	IM-305-3/ GİRİŞ 25	
X55.1	IM_#3_Din_25	IM-305-3/ GİRİŞ 26	
X55.2	IM_#3_Din_26	IM-305-3/ GİRİŞ 27	
X55.3	IM_#3_Din_27	IM-305-3/ GİRİŞ 28	
X55.4	IM_#3_Din_28	IM-305-3/ GİRİŞ 29	
X55.5	IM_#3_Din_29	IM-305-3/ GİRİŞ 30	
X55.6	IM_#3_Din_30	IM-305-3/ GİRİŞ 31	
X55.7	IM_#3_Din_31	IM-305-3/ GİRİŞ 32	
X68.0	IM_#4_Din_0	IM-305-4/ GİRİŞ 1	
X68.1	IM_#4_Din_1	IM-305-4/ GİRİŞ 2	
X68.2	IM_#4_Din_2	IM-305-4/ GİRİŞ 3	
X68.3	IM_#4_Din_3	IM-305-4/ GİRİŞ 4	
X68.4	IM_#4_Din_4	IM-305-4/ GİRİŞ 5	
X68.5	IM_#4_Din_5	IM-305-4/ GİRİŞ 6	
X68.6	IM_#4_Din_6	IM-305-4/ GİRİŞ 7	
X68.7	IM_#4_Din_7	IM-305-4/ GİRİŞ 8	
X69.0	IM_#4_Din_8	IM-305-4/ GİRİŞ 9	
X69.1	IM_#4_Din_9	IM-305-4/ GİRİŞ 10	
X69.2	IM_#4_Din_10	IM-305-4/ GİRİŞ 11	
X69.3	IM_#4_Din_11	IM-305-4/ GİRİŞ 12	
X69.4	IM_#4_Din_12	IM-305-4/ GİRİŞ 13	
X69.5	IM_#4_Din_13	IM-305-4/ GİRİŞ 14	
X69.6	IM_#4_Din_14	IM-305-4/ GİRİŞ 15	
X69.7	IM_#4_Din_15	IM-305-4/ GİRİŞ 16	
X70.0	IM_#4_Din_16	IM-305-4/ GİRİŞ 17	
X70.1	IM_#4_Din_17	IM-305-4/ GİRİŞ 18	
X70.2	IM_#4_Din_18	IM-305-4/ GİRİŞ 19	
X70.3	IM_#4_Din_19	IM-305-4/ GİRİŞ 20	
X70.4	IM_#4_Din_20	IM-305-4/ GİRİŞ 21	
X70.5	IM_#4_Din_21	IM-305-4/ GİRİŞ 22	
X70.6	IM_#4_Din_22	IM-305-4/ GİRİŞ 23	
X70.7	IM_#4_Din_23	IM-305-4/ GİRİŞ 24	
X71.0	IM_#4_Din_24	IM-305-4/ GİRİŞ 25	
X71.1	IM_#4_Din_25	IM-305-4/ GİRİŞ 26	
X71.2	IM_#4_Din_26	IM-305-4/ GİRİŞ 27	
X71.3	IM_#4_Din_27	IM-305-4/ GİRİŞ 28	
X71.4	IM_#4_Din_28	IM-305-4/ GİRİŞ 29	
X71.5	IM_#4_Din_29	IM-305-4/ GİRİŞ 30	
X71.6	IM_#4_Din_30	IM-305-4/ GİRİŞ 31	
X71.7	IM_#4_Din_31	IM-305-4/ GİRİŞ 32	

ÇIKIŞ ADRESLERİ (Y00.0 – X71.0)			
ADRES	ADI	İŞLEVİ	AÇIKLAMA