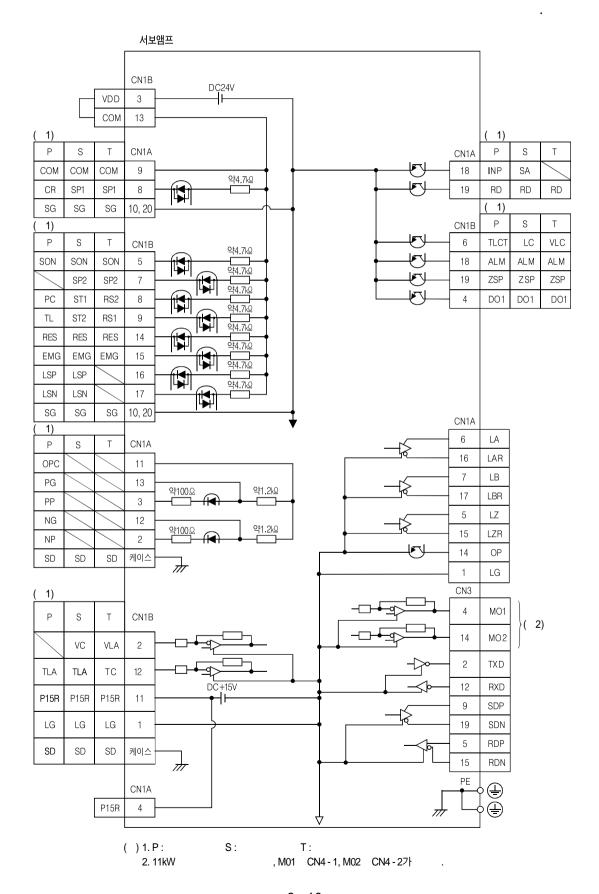
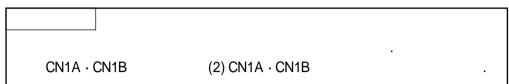
3. MELSERVO

## 3. 2

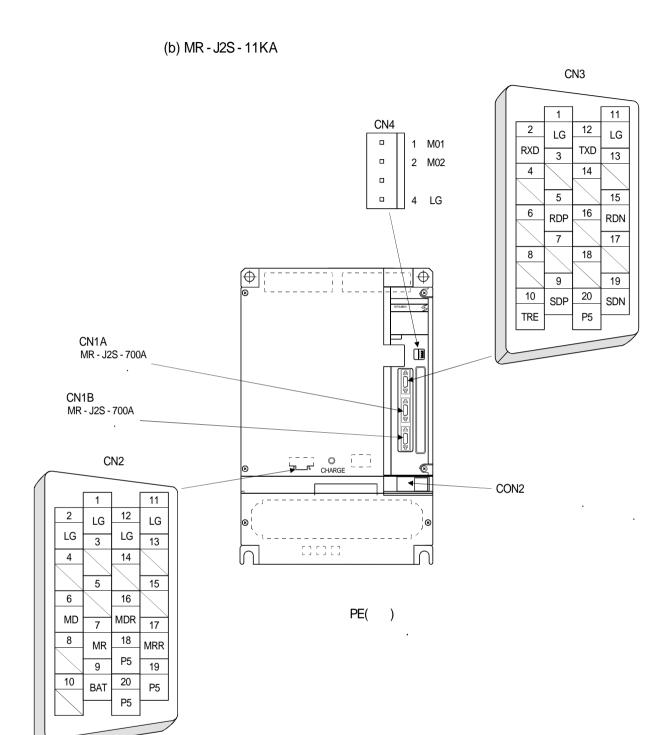


3. 3

3.3.1



3. MELSERVO



## (2) CN1A/CN1B

No. 가

	No.	( 1)		( 2	2)				
	INO.	I/O	Р	P/S	S	S/T	Т	T/P	
	1		LG	LG	LG	LG	LG	LG	
	2	I	NP	NP/-				-/NP	
	3	I	PP	PP/-				-/PP	
	4		P15R	P15R/P15R	P15R	P15R	P15R	P15R	
	5	0	LZ	LZ	LZ	LZ	LZ	LZ	
	6	0	LA	LA	LA	LA	LA	LA	
	7	0	LB	LB	LB	LB	LB	LB	
	8	I	CR	CR/SP1	SP1	SP1/SP1	SP1	SP1/CR	No.43~48
	9		COM	COM	COM	COM	COM	COM	
CN1A	10		SG	SG	SG	SG	SG	SG	
CIVIA	11		OPC	OPC/-				- /OPC	
	12	I	NG	NG/ -				-/NG	
	13	I	PG	PG/ -				-/PG	
	14	0	OP	OP	OP	OP	OP	OP	
	15	0	LZR	LZR	LZR	LZR	LZR	LZR	
	16	0	LAR	LAR	LAR	LAR	LAR	LAR	
	17	0	LBR	LBR	LBR	LBR	LBR	LBR	
	18	0	INP	INP/SA	SA	SA/-		-/INP	No.49
	19	0	RD	RD	RD	RD	RD	RD	No.49
	20		SG	SG	SG	SG	SG	SG	
	1		LG	LG	LG	LG	LG	LG	
	2	1		-/VC	VC	LG/VLA	VLA	VLA/-	
	3		VDD	VDD	VDD	VDD	VDD	VDD	
	( 4) 4	0	DO1	DO1	DO1	DO1	DO1	DO1	
	5	I	SON	SON	SON	SON	SON	SON	No.43~48
	6	0	TLC	TLC	TLC	TLC/VLC	VLC	VLC/TLC	No.49
	7	I		LOP	SP2	LOP	SP2	LOP	No.43~48
	8	I	PC	PC/ST1	ST1	ST1/RS2	RS2	RS2/PC	No.43~48
	9	I	TL	TL/ST2	ST2	ST2/RS1	RS1	RS1/TL	No.43~48
	10		SG	SG	SG	SG	SG	SG	
CN1B	11		P15R	P15R	P15R	P15R	P15R	P15R	
	12	ı	TLA	( 3) TLA/TLA	( 3) TLA	( 3) TLA/TC	TC	TC/TLA	
	13		COM	COM	COM	COM	COM	COM	
	14	ı	RES	RES	RES	RES	RES	RES	No.43~48
	15	I	EMG	EMG	EMG	EMG	EMG	EMG	
	16	I	LSP	LSP	LSP	LSP/ -		-/LSP	
	17	I	LSN	LSN	LSN	LSN/-		-/LSN	
	18	0	ALM	ALM	ALM	ALM	ALM	ALM	No.49
	19	0	ZSP	ZSP	ZSP	ZSP	ZSP	ZSP	No.1, 49
	20		SG	SG	SG	SG	SG	SG	

)

3.

( ) 1. I: , O: 2. P: , S: , T: , T/P: / 3. No.43~48 TL , TLA 4. CN1A - 18 . , CN1A - 18

(3)

SON	ON	VLC				
LSP		RD				
LSN		ZSP				
CR		INP				
SP1	1	SA				
SP2	2	ALM				
PC		WNG				
ST1		BWNG				
ST2		OP	Z	(	)	
TL		MBR				
RES		LZ	Z	,		\
EMG		LZR		(		)
LOP		LA	А	(		\
VC		LAR		(		)
VLA		LB	В	(		١
TLA		LBR	ь	(		)
TC		VDD	I/F			
RS1		COM	I/F			
RS2		OPC				
PP		SG	I/F	(CC	OMMON)	
NP		P15R	DC15V			
PG	•	LG	(	COMMON	)	
NG		SD				
TLC						

3.

				I/O			
		No.	•		Р	S	Т
ON	SON	CN1B 5	SON ON , 가 가 가 . ( ON ) OFF - 가 .( OFF ) No.41 " 1" , ON( ON)	DI - 1			
	RES	CN1B 14	RES 50ms ON , .10.2	DI - 1			
	LSP	CN1B 16	LSP・LSN - SG ON . OFF . No.22 " 1" . 7 .(5.2.3 )				
	LSN	CN1B 17	( )  LSP LSN CCW CW  1 1 1 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0	DI - 1			
	TL	CN1B 9	TL OFF 1( No.28), ON (TLA) . 3.4.1 (5)	DI - 1			
	TL1		, No.43~48 가 3.4.1 (5) .	DI - 1			

	No.		I/O	Р	S   T
ST1	CN1B 8 CN1B 9	( )  ST2   ST1  0   0   ( )  0   1   CCW  1   0   CW  1   1   ( )  ( ) 0: OFF 1: ON  ST1 ST2   ON OFF , No.12	DI - 1		
RS1	CN1B 9 CN1B 8	( )  RS2 RS1  0 0  0 1  1 0  1 1 1  ( ) 0: OFF 1: ON	DI - 1		
EMG	CN1B 15	EMG OFF( ) 가 OFF가 , 가 EMG ON( ) .	DI - 1		
CR	CN1A 8	CR ON ,	DI - 1		
1 CM1		CM1 · CM2 , No.43~48	DI - 1		
2 CM2		( )  CM2	DI - 1		
CDP		, No.43~48 가 . CDP ON , 가 No.61 , No.62~64 .	DI - 1		

				I/O			
		No.	•	"	Р	S	Т
1	SP1	CN1A 8	< >	DI - 1			
	000	CN1B	SP3 No.43~48 가	<b>D</b> 1 4			
2	SP2	7	( )	DI - 1			
			No.43~48 SP3 SP2 SP1				
			(SP3) 0 0 (VC)				
			0 1 1( 1\(\text{10.0}\))				
			1 0 2( No.9)				
			1 1 3( No.10)				
			0 0 0 (VC)				
			0 0 1 1( No.8) 0 1 0 2( No.9)				
			(SP3) 0 1 1 3( No.10)				
			1 0 0 4( No.72)				
			( ) 1 0 1 5( No.73)				
			1 1 0 6( No.74)				
			1 1 1 7( No.75)				
			( ) 0:OFF 1:ON				
			1 : ON				
			< >				
3	SP3		SP3 No.43~48 가	DI - 1			
			No.43~48 SP3 SP2 SP1				
			(CD2) 0 0 (VLA)				
			(SP3) 0 1 1( No.8)				
			( ) 1 0 2( No.9)				
			1 1 3( No.10)				
			0 0 0 (VLA)				
			0 0 1 1( No.8)				
			(SP3) 0 1 0 2( No.9) 0 1 1 3( No.10)				
			1 0 0 4( No.72)				
			( ) 1 0 1 5( No.73)				
			1 1 0 6( No.74)				
			1 1 1 7( No.75)				
			( ) 0:OFF 1:ON				
			PC-SG , 가				
			. 1				$  \setminus  $
							$  \setminus  $
	PC	CN1B	(MEND) OFF	DI - 1			$  \  $
		8	(MEND)가OFF (PC) ON ,				$  \  $
			(PC)				$  \  $
			(TL) ON (TLA)				
I			∕r .				I \

	No.	·	I/O	P S T
LOP	CN1B 7	( ) LOP	DI - 1	
TLA	CN1B 12	, No.43~48 TL フト (TLA) . TLA - LG DC0~+10V フト . (TLA) + . +10V .(3.4.1 (5) ) : 10bit		
TC		TC-LG DC0~±8V 7\		
VC	CN1B	VC-LG DC0~±10V 가 . ±10V No.25 가 .(3.4.2 (1) ) :14bit		
VLA	2	VLA-LG DC0~±10V 가 . ±10V No.25 가 .(3.4.3 (3) )		
PP NP PG NG	CN1A 3 CN1A 2 CN1A 13 CN1A 12	. ( 200kpps) PP - SG NP - SG ( 500kpps) PP - PP NG - NP	DI - 2	

(2)

			I/O			
	No.	·		Р	S	Т
ALM	CN1B 18	OFF ALM-SG . , ON 1s ALM-SG .	DO - 1			
DB		11kW . , 1 " 1 " . 가 ,DB가OFF가 .(13.1.4 )	DO - 1			
RD	CN1A 19	ON 가 가 RD-SG .	DO - 1			
INP	CN1A 18	가 INP-SG No.5 , 가	DO - 1			
SA		가 가 SA - SG . 가 50r/min .	DO - 1			
VLC	CN1B	1~7( No.8~10, 72~75) (VLA) VLC - SG ON(SON) OFF	DO - 1			
TLC	6	1~7( No.28) (TLA) TLC - SG . ON(SON) OFF .	DO - 1			
ZSP	CN1B 19	가 (50r/min) , ZSP - SG No.24 .	DO - 1			
MBR	[CN1B] 19]	, No.1 " 1 " . , ZSP . OFF , MBR - SG .	DO - 1			
WNG		, No.49 , 가 , WNG-SG 가 , ON 1s WNG-SG	DO-1			
BWNG		, No.49 , (AL.92) (AL.9F)가 , BWNG - SG 가 , ON 1s BWNG - SG	DO-1			

									I/O			
			No.							Р	S	Т
							No.49	9 " 1" .				
								(RD · INP · SA · ZSP)				
								(10 111 0/1 201)				
				(	)							
				CN1B								
				19	18	19	00000					
							88888 AL.12	1				
							AL.12 AL.13	ı				
							AL.15	2				
				0	0	0	AL.17	_				
							AL.19	3				
		ACD0	CN1A				AL.37					
			19				AL.8A					
		ACD1	CN1A				AL.8E					
		ACDI	18	0	0	1	AL.30		DO - 1			
				0	1	0	AL.33 AL.10					
		ACD2	CN1B		ı	U	AL.10 AL.45					
			19				AL.46					
				0	1	1	AL.50	1				
							AL.51	2				
				1	0	0	AL.24					
				<u> </u>			AL.32					
							AL.31					
				1	0	1	AL.35					
							AL.52 AL.16	1				
							AL.1A	'				
				1	1	0	AL.20	2				
							AL.25					
				( ) 0:	OFF							
				1.								
	Z	OP	CN1A		가		가ON	1 1 .( (-) )				
,	١	J	14			400μs		·( (-) )	DO-2			
1	)				10	0r/min						
	Α	LA	CN1A									
Ι,			6		No.27(		)	1				
'	)	LAR	CN1A 16				_					
				/2	CCW		Е	3 A	DO-2			
	В	LB	CN1A	/∠ A · B			•	No.54				
1,		LBR	7 CN1A									
`	)	בטוי	17									
Щ_										<u> </u>		ш

				No.			I/O			
			7kW	11kW		•		Р	S	Т
	Z	LZ	CN1A	CN1A						
(	)	LZR	5 CN1A 15	5 CN1A 15	OP	·	DO-2			
	1	MO1	CN3 4	CN4 1	No.17 : 10bit	MO1 - LG				
	2	MO2	CN3 14	CN4 2	No.17 : 10bit	MO2 - LG				

(3)



					I/O			
		No.				Р	S	Т
RS - 422 I/F	SDP SDN RDP RDN	CN3 9 CN3 19 CN3 5 CN3	RS - 422	RS - 232C No.16				
RS - 422	TRE	CN3 10	RS - 422 I/F 가	RDN(CN3 - 15)				
RS - 232C I/F	TXD RXD	CN3 2 CN3 12	RS - 422	RS - 232C No.16				

(4)

			No.		I/O			
		7kW	11kW	<u>'</u>		Р	S	Т
I/F	VDD	CN1B 3	CN1B 3	VDD - SG +24V ± 10% , COM , COM				
I/F	СОМ	CN1A 9 CN1B 13	CN1A 9 CN1B 13	DC24V(200mA ) . DC24V . DC24V±10%				
	OPC	CN1A 11	CN1A 11	, DC24V				
I/F (COMMON)	SG	CN1A 10 20 CN1B 10 20	CN1A 10 20 CN1B 10 20	SON EMG LG				
DC15V	P15R	CN1A 4 CN1B 11	CN1A 4 CN1B 11	P15R - LG DC15V . TC · TLA · VC · VLA . : 30mA				
(COMMON)	LG	CN1A 1 CN1B 1 CN3 1,11 3,13	CN1A 1 CN1B 1 CN3 1,11 3,13 CN4 4	TLA · TC · VC · VLA · FPA · FPB · OP · MO1 · MO2 · P15R ·				
	SD			·				