

LeaderSamco - VM06

SC-WS

SC-WS

LeaderSamco - *vm06*

1

2

2

2 1

3

2 2

3

3 ()

3 1

5

3 2

6

3 3

6

3

7

1

11

2

13

1

20

2

22

3

22

PID

24

26

29

32

33

35

36

1

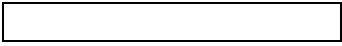
37

LEADERSAMCO-Vm06

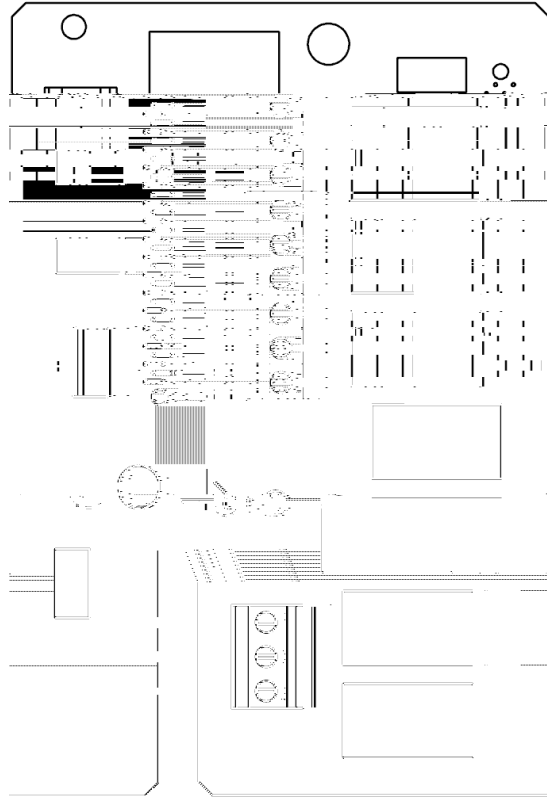
(SC-WS)

PID PLC

SC-WS 8 AC250V 7 ()



RY3 RY8 6



SC-WS

2-1

SANKENSAMCO-Vm06

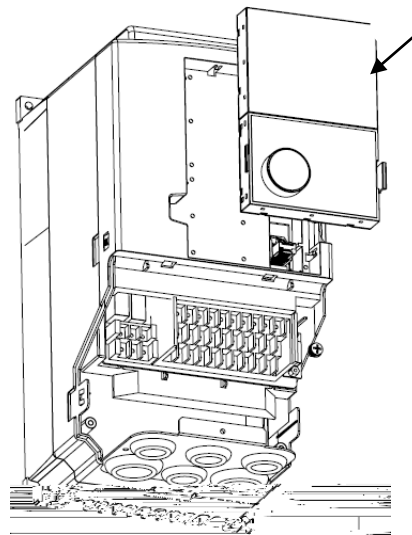
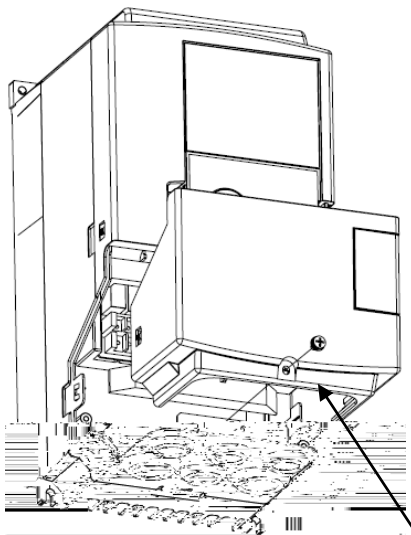
15

CHARGE



2-2

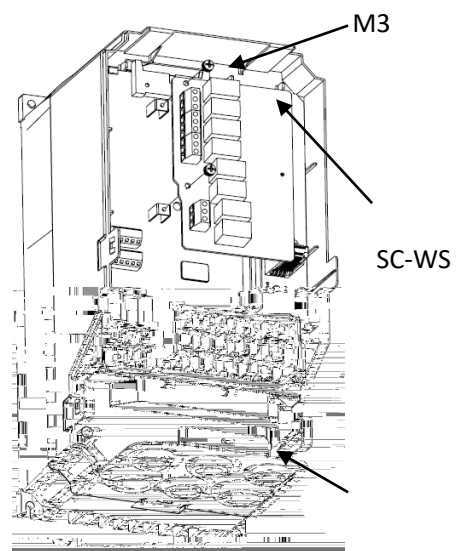
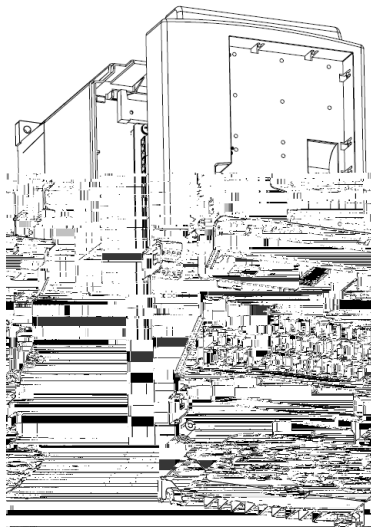
VM06-0022 0185



M4

1

2



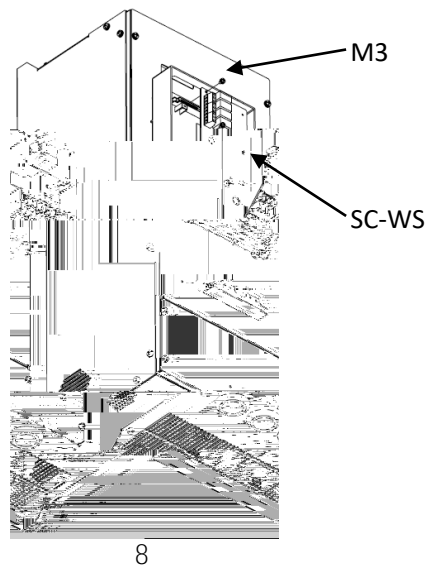
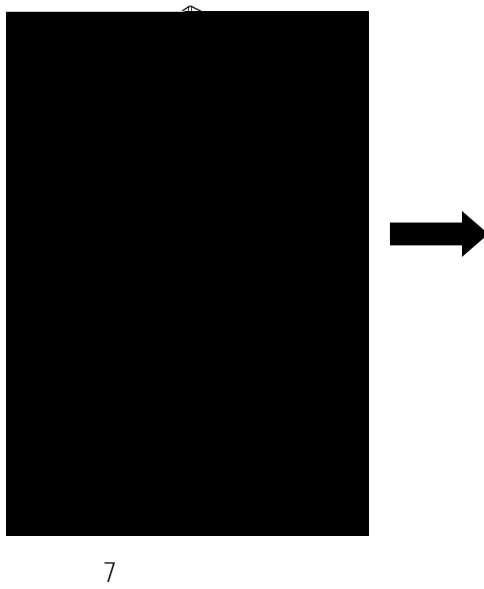
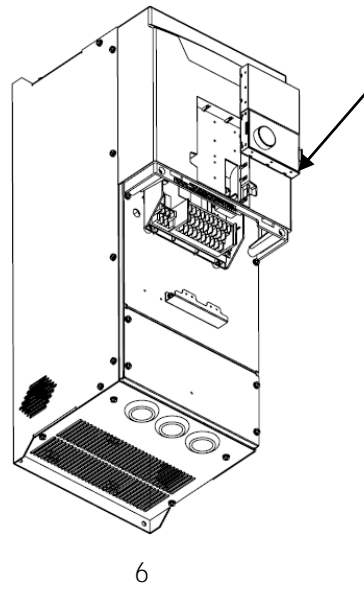
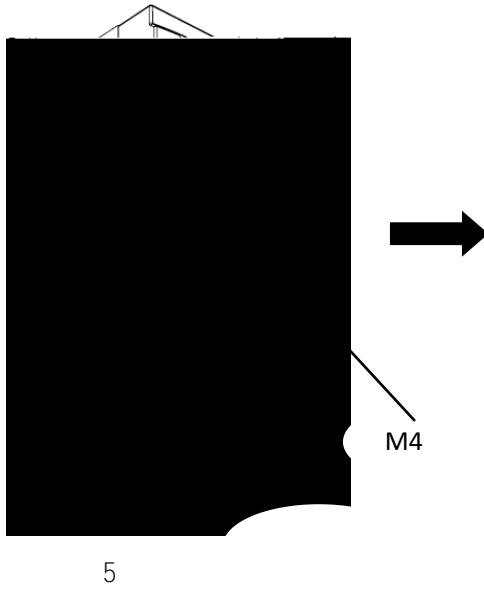
2

4

- 1 M4
- 2
- 3
- 4 SC-WS
- 5

- 1
- (2)
- 2
- 2 M2
- 4
- M4
- SC-WS

VM06-0220 0900

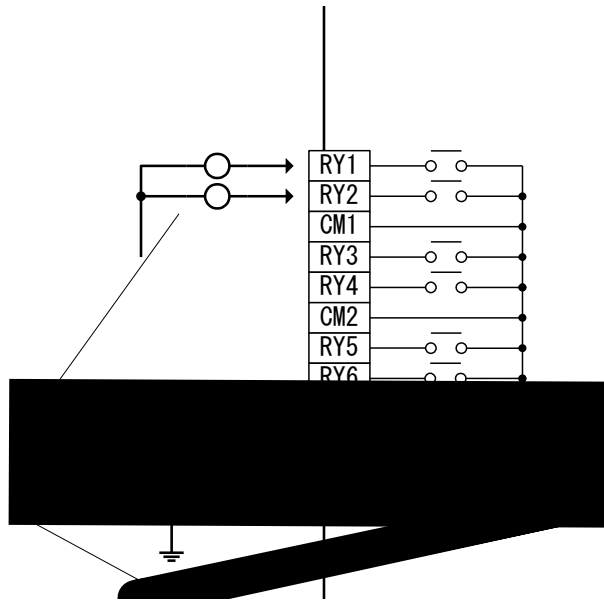


- 1 M4
- 2
- 3 2 M4
- 4 SC-WS
- 5

- 5
- (6)
- 7
- 2 M2
- 8
- M4
- SC-WS

3-1

SC-WS



CM1 4

CM1

3-2

5.8kgf· cm

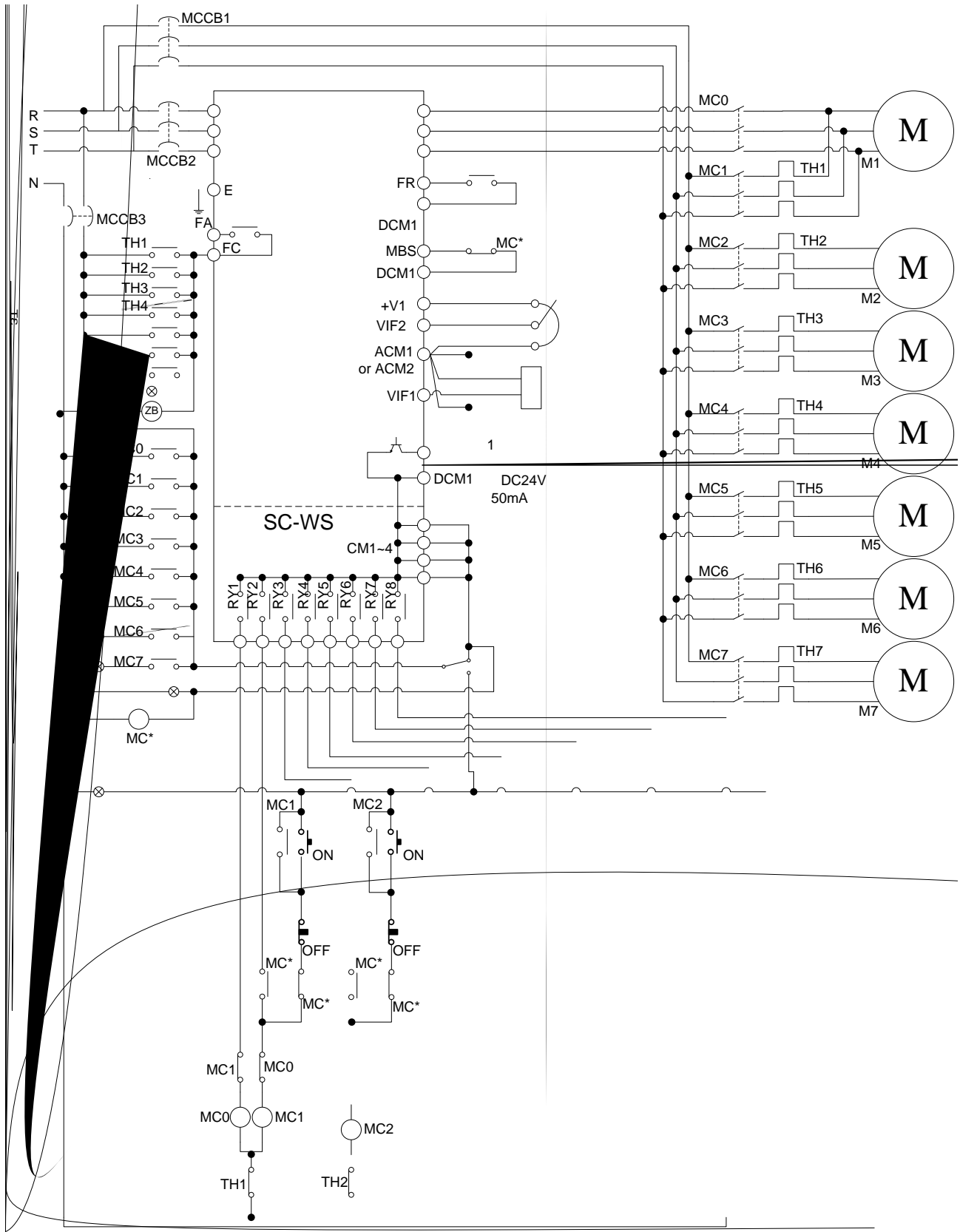
TB1

AWG24 12

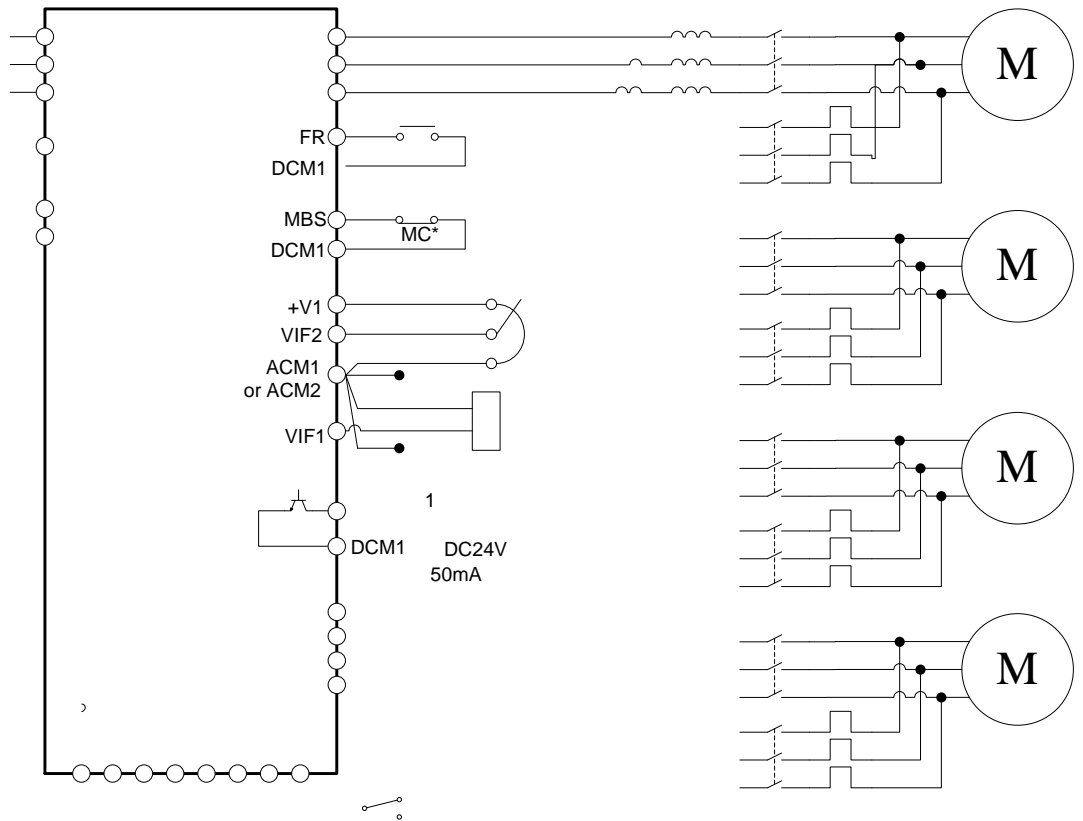
3-3

1

RY1 8		
CM1 4		



(F8007=9 10)



(SC-WS)
F1108() 1 2

5-2

MC*

MCO 7
OFF

MC*

MBS

LV

MBS

F8007 1 3 5 7 9 11 13

AC

	DI1	DI8		F1414	F1421
DI1		" FR"		F1414=1	
	D01	D03		F1509	F1511
D02	"		"	F1510=11	

MCCB

(F8007=9 14)

ON

ON

ACM1 ACM2

MC

MBS

4-1

2

No.			
1001		1 40 (1)	SC-WS 1
1002	1	1 10 21 22 1	SC-WS 1 10 21 22
1101		1 3 1	
1111		1 3 1	SC-WS 2
1202		1 99 1	17 18 19 20
1401	(VIF1)	0 ± 600Hz 0	VIF1
1402	(VIF1)	0 ± 600Hz 60	
1403	(VIF2)	0 ± 600Hz 0	VIF2
1404	(VIF2)	0 ± 600Hz 60	
1405	(VIF3)	0 ± 600Hz 0	VIF3
1406	(VIF3)	0 ± 600Hz 60	
3001	PID1	1 99 (1)	1
3002	PID1	1 99 (0)	
3003	PID1	0 100 0.1	P
3004	PID1	0.01 100 0.1	I
3005	PID1	0 100 0	D
3201	PID	0 5 0	1 PID1
8001	RY3	0 99 1	
8002	RY4	0 99 5	
8003	RY5	0 99 6	
8004	RY6	0 99 8	
8005	RY7	0 99 10	
8006	RY8	0 99 12	
8007		0 15 0	0 OFF
8008	M1	0 or 1 1	0 M1(1 8)
8009	M2	0 or 1 0	0 M2
8010	M3	0 or 1 0	0 M3
8011	M4	0 or 1 0	0 M4
8012	M5	0 or 1 0	0 M5 (9 12)
8012	M6	0 or 1 0	0 M6 (9 12)
8014	M7	0 or 1 0	0 M7 (5 12)
8015	T _{MC}	0.10 2.00sec (1.0sec)	MC
8016	T _H	0.1 10.0 min (5min)	
8017	T _L	0.1 10.0 min (5min)	
8018	K	20 95 % (50%)	

8019	T_p	0.1 10.0 min (5min)	
8020	T_A	0.1 90.0sec (5.0sec)	
8021	T_D	0.1 90.0sec (5.0sec)	

4-2

SC-WS

F1001

SC-WS F1001=1 V/F

F1002 1

SC-WS F1002=11 20() F8022 0 F1002
(F8022 F8029)

F1002=1

F1101=2 VIF1 0 5V

F1101=3 VIF1 0 10V

F1101=4 VIF2 0 5V

F1101=5 VIF2 0 10V

F1101=6 VIF3 0 5V

F1101=7 VIF3 0 10V

F1101=8 VIF1 4 20mA

F1101=9 VIF2 4 20mA

F1101=10 VIF3 4 20mA

F1101=21

F1101=22

F1101 11 20

F1101

1 2 3

F1111

SC-WS 2 () F1111=2 F1111=1

F1401 (VIF1)

F1402 (VIF1)

VIF1 (F8022=0)

F1403/F1405 (VIF2/VIF3)

F1404/F1406 (VIF2/VIF3)

VIF2/VIF3 (F8022=0)

F1202

F1202

F1202=17 [MPa]

F1202=18 [MPa]

F1202=19 [MPa]

F1202=20 [H]

F3002 PID1

F3002 0

F3002 1 9

F3002 1 VIF1 0 5V 0V F1401(F8022=0) F8023(F8022 0) 5V
F1402(F8022=0) F8024(F8022 0)

F3002 2 VIF1 0 10V 0V F1401(F8022=0) F8023(F8022 0) 10V
F1402(F8022=0) F8024(F8022 0)

F3002 3 VIF2 0 5V 0V F1403(F8022=0) F8023(F8022 0) 5V
F1404(F8022=0) F8024(F8022 0)

F3002 4 VIF2 0 10V 0V F1403(F8022=0) F8023(F8022 0) 10V
F1404(F8022=0) F8024(F8022 0)

F3002 5 VIF3 0 5V 0V F1405(F8022=0) F8023(F8022 0) 5V
F1406(F8022=0) F8024(F8022 0)

F3002 6 VIF3 0 10V 0V F1405(F8022=0) F8023(F8022 0) 10V
F1406(F8022=0) F8024(F8022 0)

F3002 7 VIF1 4 20mA 4mA F1401(F8022=0) F8023(F8022 0) 20mA
F1402(F8022=0) F8024(F8022 0)

F3002 8 VIF2 4 20mA 4mA F1403(F8022=0) F8023(F8022 0) 20mA
F1404(F8022=0) F8024(F8022 0)

F3002 9 VIF/VIF2 4 20mA 4mA F1405(F8022=0) F8023(F8022 0)
20mA F1406(F8022=0) F8024(F8022 0)

F3201 PID

" SC-WS"

F3201=1

SC-WS

PID1

F3201=0

F3201=1 PID1

F8007

SC-WS

SC-WS

F8007 0

SC-WS

F8007 0

SC-WS

F1001=1

F8007

0

F1001 1

F8007

F8007=15

F8022

F8023

F8024

F8025

F8026

1

F8007=15

PID

2

F8007=15

SC-WS

F8007=15

0

3

No			OFF			
0						
1						1 7
2						
3						
4						
5						1 6
6						
7						
8						
9						1 4
10						
11						
12						
13						1 4
14						
15						

F8008 8014

()

F8008 8014=0

F8008 8014 1

F8034=1

a) 1 M1 F8007 1 8 F8008

b) 5 M5 6 M6 F8007 9 14 F8012 F8013

c) 7 M7 F8007 5 14 F8014

F8015 T_{MC}

1

F8020 T_A

F8020

(F1011)

F8021 T_b

F8021

(F1011)

F8022 () Pref

F8022

SC-WS

F8022 0

$$F8024 = \frac{Pg}{F1007} * F8024 / F1007$$

F8022 0

F8022

F8023 Pb

F8022

F8023

F8027
F8022 F8029 F8027

F8028
F8028

F8033 T_{chs}

F8032

F8033

D01

D03(F1509 F1511)

" 12"

ON

F8034

F8008 F8014

F8034=0

F8008 F8014

F8034=1

DI 1 DI 8(F1414 F1421)

F1414	F1421=49:	M1(PM1)	50:	M2(PM2)	51:	M2(PM2)		
	52:	M4(PM4)	53:	M5(PM5)	54:	M6(PM6)	55:	M7(PM7)
		ON				OFF		

a) 1 M1 F8007 1 8 F8008

b) 5 M5 M6 F8007 9 14 F8012 F8013

c) 7 M7 F8007 5 14 F8014

5-1

2 6

INV

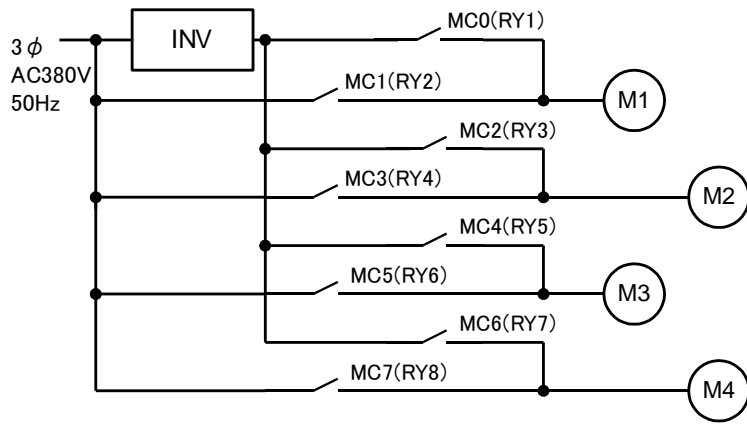
M1 7

()

MCO 7

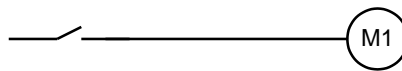
MC

F8007=9



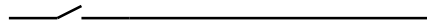
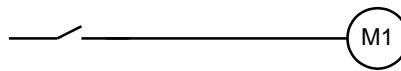
F8007=9, 10

MC0 (RY1)



F8007=11, 12

MC0 (RY1)



F8007=13, 14

13 14 MS

SC-WS

DC24V 50mA

(RYX)

MC(MC8)

5-2

F8022 F1002 8 F8022 0 , F1002
 F8022=0 F1002

4

F1002	
1	(F2101 F2116)
2	VIF1 0 5V (F1401 F1402)
3	VIF1 0 10V or (F1401 F1402)
4	VIF2 0 5V (F1403 F1404)
5	VIF2 0 10V or (F1403 F1404)
6	VIF3 0 5V (F1405 F1406)
7	VIF3 0 10V or (F1405 F1406)
8	VIF1 4 20mA (F1401 F1402)
9	VIF2 4 20mA (F1403 F1404)
10	VIF3 4 20mA (F1405 F1406)
22	AD2 AD3 (F2101 F2116)
23	

F8022 F8029

F3002

9

5

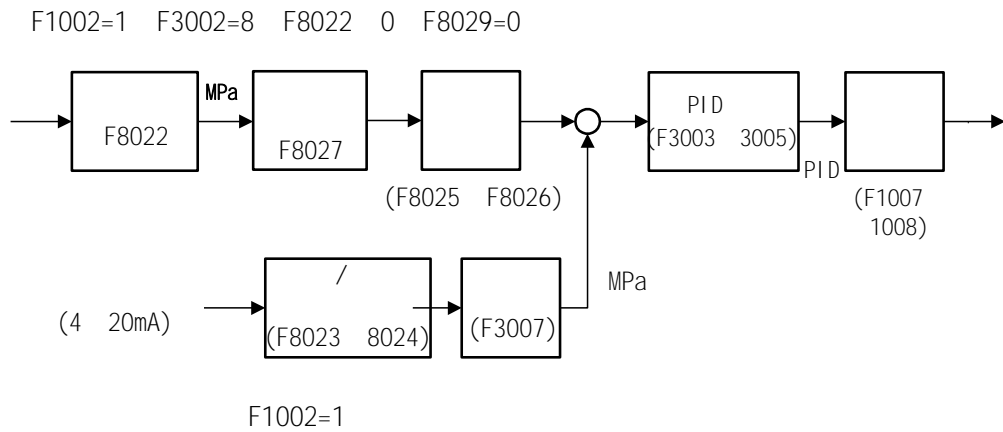
F3002	
1	VIF1 0 5V F8023 F8024
2	

F8023 F8024

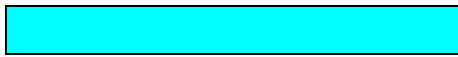
SC-WS F1002 F3002
 6 SWS F1002 F3002

F1002	F3002									
	0	1	2	3	4	5	6	7	8	9
1	x									
2	x	x	x					x		
3	x	x	x					x		
4	x			x	x				x	
5	x			x	x				x	
6	x					x	x			x
7	x					x	x			x
8	x	x	x					x		
9	x			x	x				x	
10	x					x	x			x
22	x									

F3002=0



5-3



RY1

F8007=9 14 F8008=0
F8009=1 RY3 ON F8009=0 F8010=1

ON OFF

RY5 ON



(F1103)

(F1104)

F8022 F8029

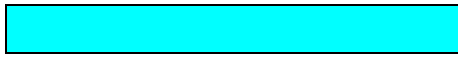


(F8020)

PID

F1102 2

PID



F1111=

()

(F8021)

F1111=

F8007 1 3 5 7 9 11 13

SC-WS

RY2 8

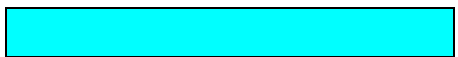
F8007 2 4 6 8 10 12 14

F8007 5 8 11 14

F1111=2

F1111=2

F1111=1



0.00Hz DRIVE

F1104 > 0

STOP

(F1101 2)

OFF



LV

LV 2

LV (LV)

MC*

LV

LV RY1 8

(F8007=13 14)

OFF

LV

F1414 F1421=7 RST
RST DCM1 DCM2

LV

RST

LV

F1108=1

2 MBS
STOP

LV

LV

STOP

LV

		RST DCM1	F1108	
	LV			LV
	LV			LV
	LV			LV LV
	LV		or	LV
	LV			LV
	LV			LV

1

2

(F1108=2)

LV

SC-WS

(F8007=1 8) RY1

(F8007=9 14)

OFF

LV

LV

AL1

10

OFF

F8015

5

ON

RY1

F8015

5

RY2

SC-WS

LV

STOP

OFF

LED

(F1307)

5-4 PID



() PID (=)
 (F1007) F8016

F8028

F8007		
1 8	F8021 (F1008)	()
9 14	F8015 (T _{MC}) F1012 1019 PID	T _{MC}

- 1
- 2



() PID
 F1008 F8017

F8028

F8007		
1 14	F8020 (F1007) PID	

3 F8007=1, 2, 5, 6

F8007=3, 4, 7 14



() PID
 F8017 (T_L)

F8028

F8007		
5 8 11 14	()	RY8(F8007=5 8, 11 12) (F8007=13, 14)



()

(1)

P16

F8019

(T_p)

F8007		
5 8 11 14	F1012 26 PID	RY8 UPF

5-5

F8032

F8032=999

5

F8032=999

F8032

F1202=20

DI1 DI8(F1414 F1421)

" 43 (TCL)"

ON

" TCL" " ON"

" ON"

" TCL"

F8032

F8032
F8033

ON

F8008 F8014

gate off

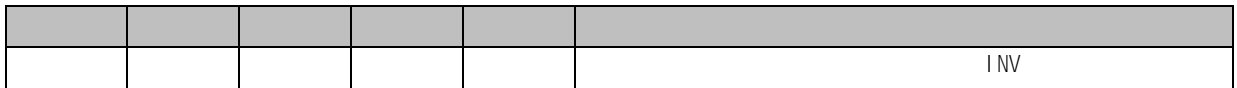
F8032

F8007=0

F8032 0

ON "TCL"

1



F8033

D01 D03(F1509 F1511)

" 12"

F8033=120

F8032

F8033

F8032

F8033

ON

1

2

3

4

F8033

(F8032)

F8033

5

F8033

OFF

F8033

5-6

F8007

F8007 0

RY1

F8008=1

F8007 0

F8001 F8006

0

F8007

" " " " " "

" "

" " " " " "
 " "
 " " F8007=3, 4, 7, 8
 " " F8007=1, 2, 5, 6



" " " " " "
 " "
 " " " " " "



" " " " " "
 " "



" " " " " "

1

OFF " "

" 1 "

PID

" " " " () " "

1 60 " " LED " "

2 " " D01 D03(F1509 F1511)
 " 30" " L=ON" " " " H=OFF"

3 " "
 60

4 "

"

"

"

"

"

"

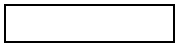
"

1

ON

OFF

" ON"



"

"

"

"



"

"

SC-WS

F8022 F8029

1

FbEr

SC-WS(F8007 0)

(F8022=0)

FbEr

SC-WS

No.	No.			
1	F1001		1	
2	F8007		1 14	15
3	F3201	PID1	1	
3	8008 8014		1 or 0	F8034=1
4	F8015		1.00 sec	MC
5	F1101		1 or 2	
6	F1109		2	
7	F1007		45 50 Hz	
8	F1008		20 35 Hz	
9	F1012		5 30 sec	
10	F1016			

33	F8028		0.0 %	
34	F3003	P	0.1 5.0	1Mpa
35	F3004	I	0.1 5.0	
36	F3005	D	0	0
37	F8016		1.0 5.0	F8030= 2
38	F8017		1.0 5.0	F8031= 2

ms

0.1 0.2

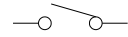
" Lu X"

MBS

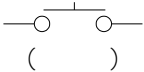
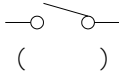
MC*

"

"



ON

		1	2	3	4
F1101		F1101=2	F1101=1	F1101=2	F1101=1
MBS		MC*			MC*
		 ()		 ()	
HD					
		F1108=0	F1108=0	F1108=1	F1108=1
		F1102=1	F1102=1	F1102=2	F1102=1 or 2
		F1105=0 sec	F1105=0 sec	F1105=1 sec	F1105=0 sec
	Lu	F1706=3	F1706=3	F1706=0	F1706=0
(Lu)				• •	
(Lu)					
(Lu)					

SC-WS

(F8007=0) 6ch (RY3 RY8) F8001 F8006

F8001 RY3
 F8002 RY4
 F8003 RY5
 F8004 RY6
 F8005 RY7
 F8006 RY8
 RY1 RY2

Code No.			
F8001	(RY3)	0:	1
F8002	(RY4)	1: 1 2 3:	5
F8003	(RY5)	4: 2 5: (1)	6
F8004	(RY6)	6: (1 8) 7:	8
F8005	(RY7)	8: (F1704)	10
F8006	(RY8)	9: (80%)	13
		10	
		11: 12:	
		13:	
		14: 15:	
		16: 17:	
		18: FR 19: RR	
		20: 2DF 21: 3DF	
		22: 5DF 23: 9DF	
		24: AD2 25AD3	
		26: JOG 27: MBS	
		28: ES 29: RST	
		31: 32:	
		33 35	
		36: (F1704)	
		37 99:	

CHARGE

