

MACHINE : (PAGE 2)

ELEMENTARY DIAGRAM OF YASNAC MRC

未認	
作成	

LIST OF ADDED PAGE

技術検討用

TOTAL PAGE	27
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TABLE OF REFERENCE DIAGRAM

NO.	DRAW NO.	NAME	REVISION
1	DE9200710	MAIN CONTROL BOX DIMENSION DIAGRAM	
2	DE9407016	PRODUCTION SPECIFICATION	
3	DE9200496	PROGRAMMING PENDANT DIMENSION DIAGRAM	
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OPTION LIST

NO.	NAME	PAGE
1	JANCD-MIF02	11
2	JANCD-MMM01, MSL01, MSL02	12
3	JANCD-MSV01 (2) (3), MSV02 (2) (3), MFC04 (2) (3)	13
4	I/O TERMINAL (MIO03)	19
5		
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TYPE LIST

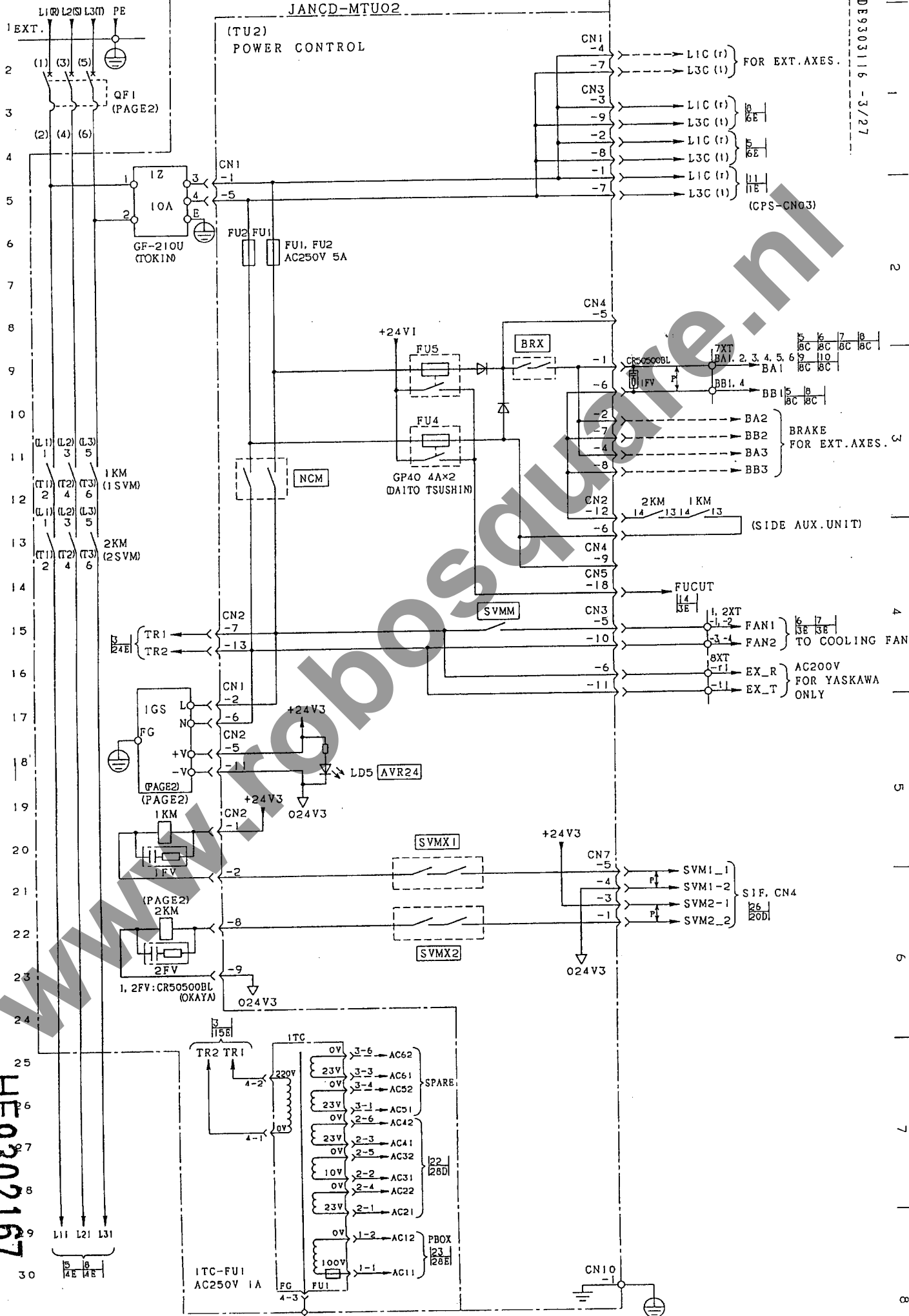
NO.	MRC TYPE	ROBOT TYPE	AC POWER	QF1	QF2	JZNC-MTU	1. 2KM (SYM)	IGS	NOTE
1	ENCM-RM6106	SK16	AVERAGE 3.5KVA PEAK 7KVA	NF50-SS 30A 3P TUV (MITSUBISHI)	—	15-1	DILOM-G/ 31+10S 35A (Klockner MOELLER)	FY242R5GN DC24V 2.5A (SHINDENGEN)	(ENG)
2	ENCM-RM6107	SK6	AVERAGE 2.5KVA PEAK 4.5KVA	NF30-SS 20A 3P TUV (MITSUBISHI)	—	15-1	DILOM-G/ 31+10S 35A (Klockner MOELLER)	FY242R5GN DC24V 2.5A (SHINDENGEN)	(ENG)
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AC 200/220V 60HZ
AC 200V 50HZ

JZNC-MTU15-□ (1/2) (SEE PAGE2 POWER CONTROL UNIT)

JANCD-MTU02

(TU2)
POWER CONTROL



YASKAWA

YASNAC MRC SMALL TYPE FOR EUROPE

MAIN POWER, JZNC-MTU15-□ (1/2)

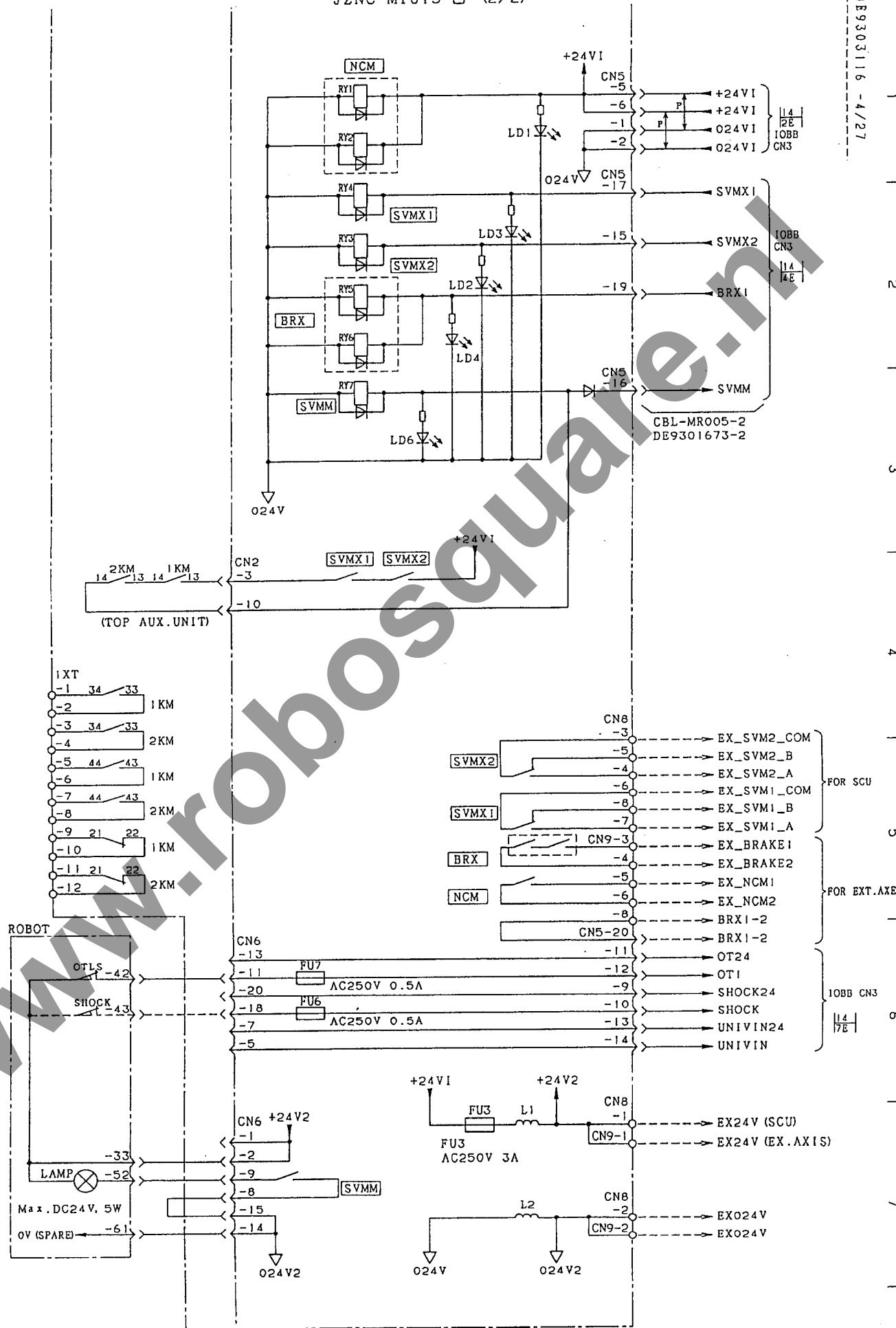
DE9303116

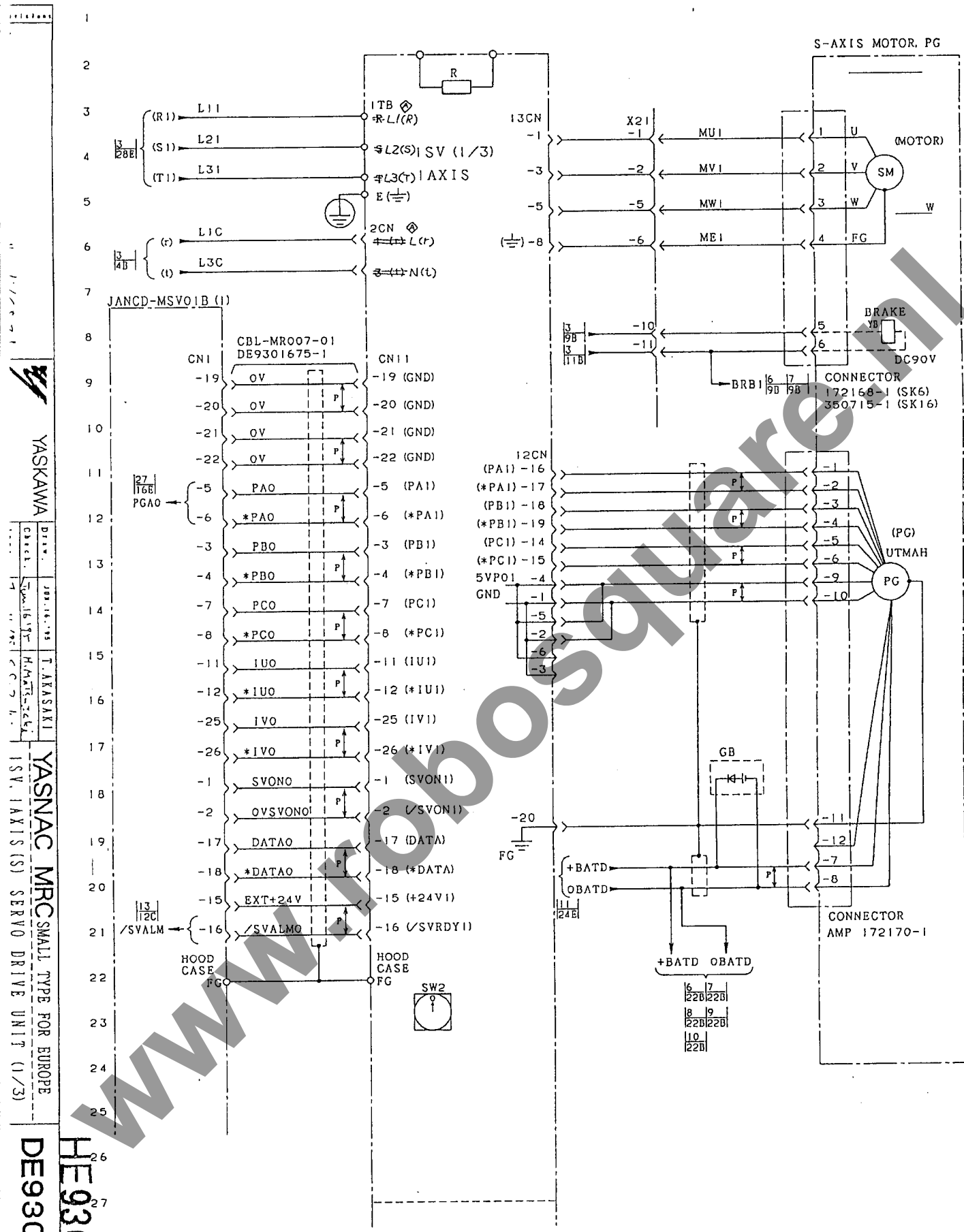
HE9302167

JZNC-MTU15-□ (2/2)

YASKAWA
 Draw. JZNC-MTU15-□ (2/2)
 Model. JZNC-MTU15-□ (2/2)
 Appr. 5. 2024. k.
 YASNAC MRC SMALL TYPE FOR EUROPE
 DE9303116

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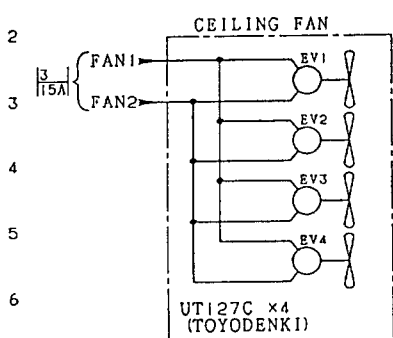




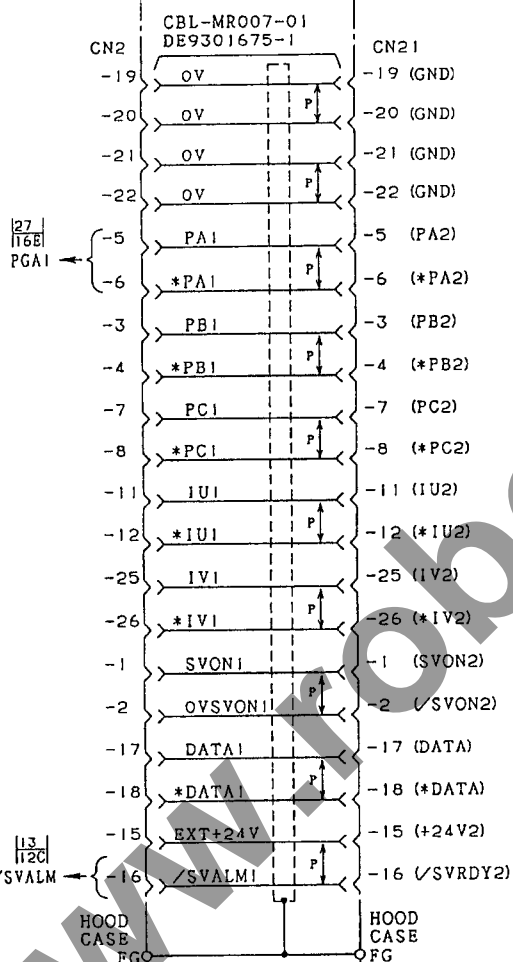
SPEC. OF S-AXIS				
TYPE	ISV		MOTOR	
	CACR-1R	SW2	W	P/R
SK6	050505FC	0	SGMP-08AWYR41	750
SK16	101010FC	0	SGMP-15AWYR11	1500

YASKAWA
YASNAC MRC SMALL TYPE FOR EUROPE
DE9303116
HE9302167

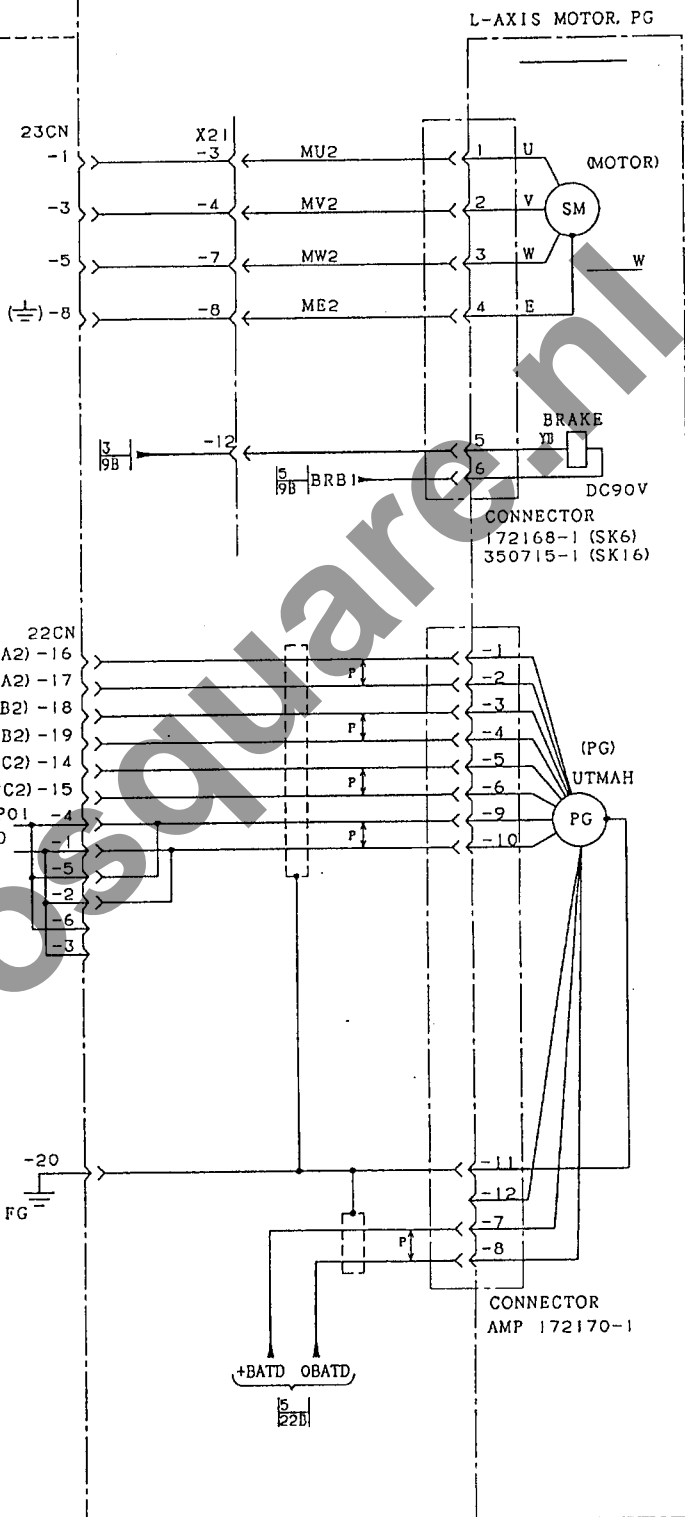
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JANCD-MSV01B (1)



1SV (2/3)
2AXIS



SPEC. OF L-AXIS

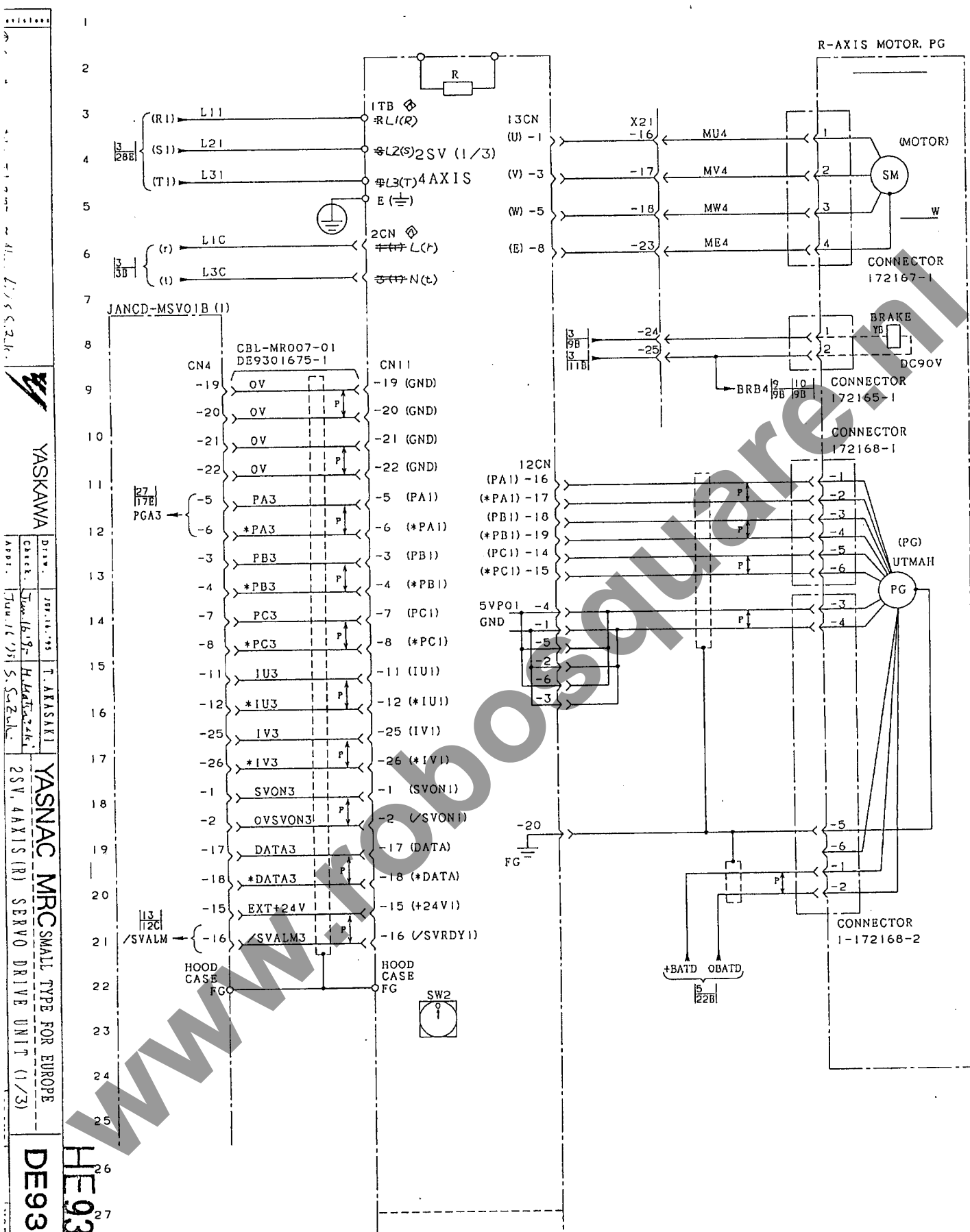
TYPE	1SV		MOTOR		P/R
	CACR-1R	SW2	-	W	
SK6	050505FC	0	SGMP-08AWYR31	750	
SK16	101010FC	0	SGMP-15AWYR11	1500	

YASKAWA

YASNAC MRC SMALL TYPE FOR EUROPE

HE9302167
DE9303116

TYPE		ISV	MOTOR		P/R
	CACR-1R	SW2		W	
SK6	050505FC	0	SGMP-08AWYR31	750	
SK16	101010FC	0	SGMP-08AWYR11	750	



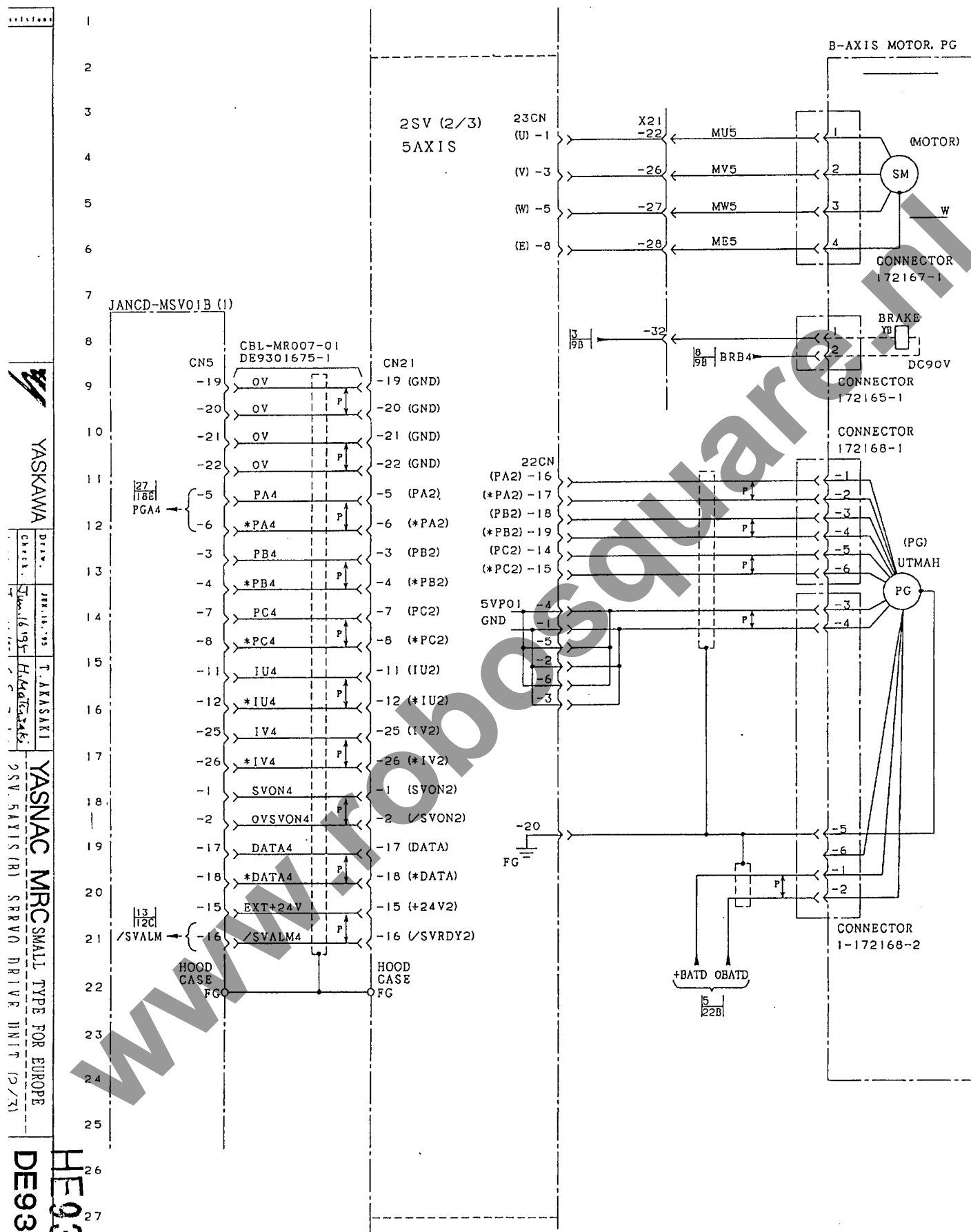
SPEC. OF R-AXIS

TYPE	2SV		MOTOR		P/R
	CACR-1R	SW2	SGMP-01AWYR21	W	
SK6	010101FC	0	SGMP-01AWYR21	100	
SK16	020202FC	0	SGMP-02AWYR11	200	

YASKAWA
YASNAC MRC SMALL TYPE FOR EUROPE
2SV, 4AXIS (R) SERVO DRIVE UNIT (1/3)

DE9303116
HE9302167

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SPEC. OF B-AXIS

TYPE	2SV		MOTOR		P/R
	CACR-1R	SW2	-	W	
SK6	010101FC	0	SGMP-01AWYR21	100	
SK16	020202FC	0	SGMP-02AWYR11	200	

YASKAWA

DATE: JAN. 18, '95
 CHECK: T. AKASAKI
 T. AKASAKI

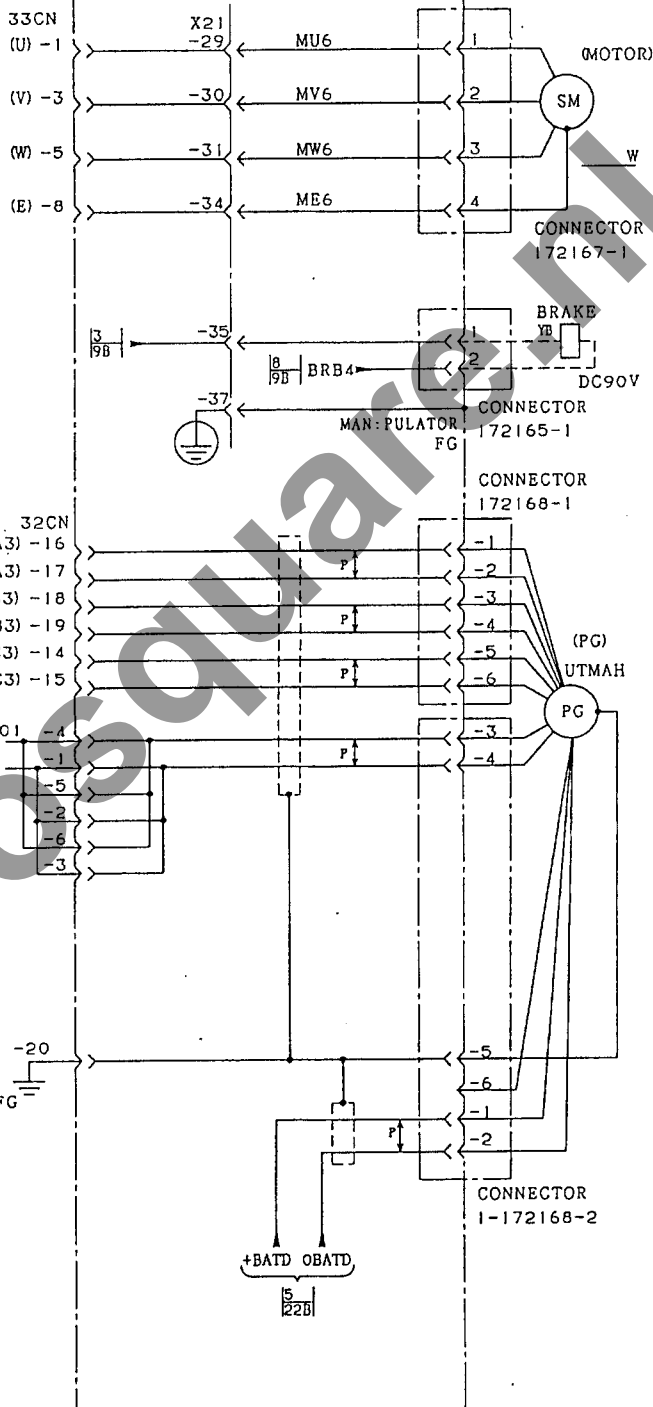
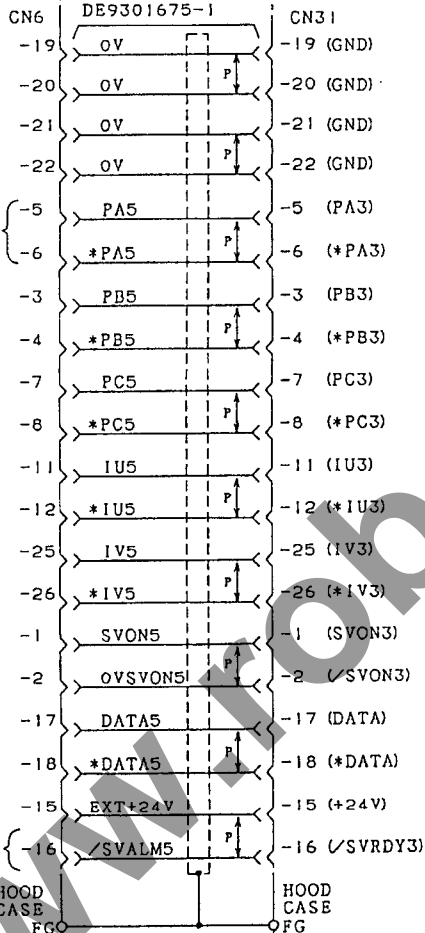
YASNAC MRC SMALL TYPE FOR EUROPE
 2SV 5AXIS (R) SERVO DRIVE UNIT (2/3)

DE9303116
 HE9302167

2SV (3/3) 6AXIS

JANCD-MSV01B (1)

CBL-MR007-01
DE9301675-1



SPEC. OF T-AXIS

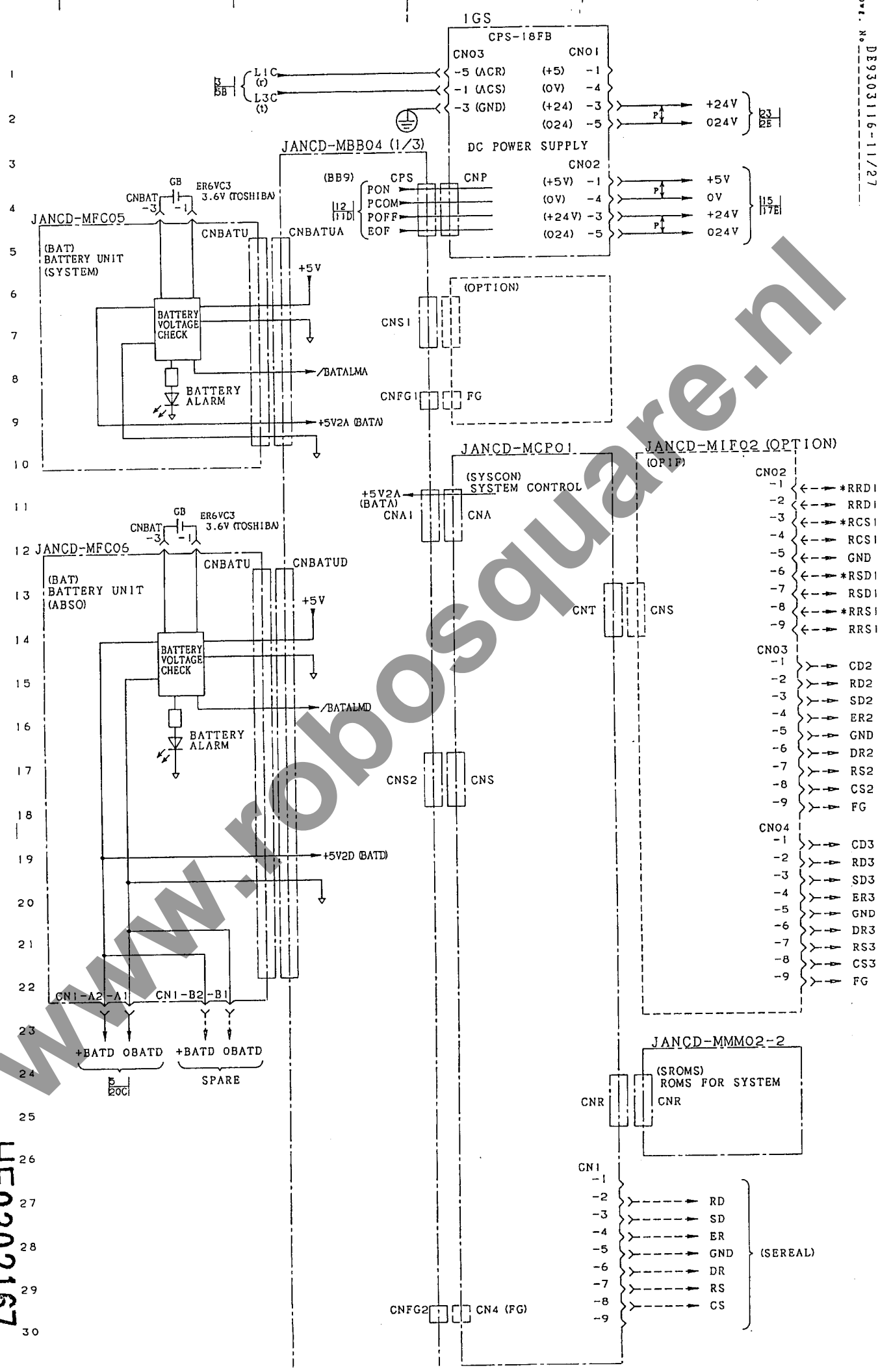
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	CACR-1R	SW2	-	W	
SK6	010101FC	0	SGMP-01AWYR21	100	
SK16	020202FC	0	SGMP-02AWYR11	200	

YASKAWA

YASNAC MRC SMALL TYPE FOR EUROPE

HE9302167
DE9303116

YASKAWA
 DE9302167
 DE9303116
 YASNAC MPC SMALL TYPE FOR EUROPE
 MBB04 (CPS, MCP01, MMB02-2, MFC05, 06c1c.) (1/3)
 Drawn: JAN. 16, '95 T. AKASAKI
 Check: MAR. 16, '95 H. MATSUDA
 Appr.: JUN. 16, '95 S. SAKAKI
 HE9302167
 DE9303116



(BB9)

JANCD-MIF01
(C10)CON-CURRENT
I/O CONTROL
(ID#7)CBL-MR003-01
DE9301671-1

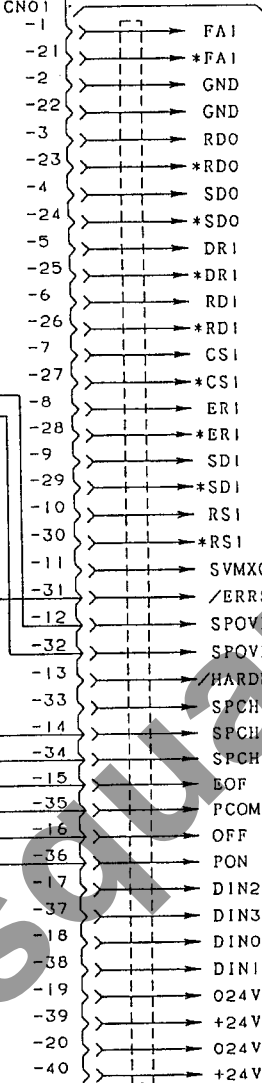
27 (SPOVERO
24E SPOVERI
27 SPCHKO
20E SPCHKI

CNA2

+5V2A
(BATA)13 /ERRSVM
4D

11 PCOM
5D EOF
PON
POFF

CNA



FG

CNC

CNFG4

CN2 (FG)

JANCD-MMM01 (OPTION)
(EXCMOS)EXTENTIONAL
CNC CMOS RAM

JANCD-MSL01 (OPTION)

(SENS1)

SENSOR LINK1

SW1

1 2 3

SHORT

1-2

2-3

ID#

#2

#3

CNA3

CNLSA1

CNFG5

(FG)

JANCD-MSL02 (OPTION)

(SENS2)

SENSOR LINK2

SW1

1 2 3

SHORT

1-2

2-3

ID#

#2

#3

CNA4

CNLSA2

CNFG6

(FG)

NOTE
Every PCB of sensor must have
different ID#.

YASKAWA

DATE: JAN. 14, 1993

CHECK: T. AKASAKI

DESIGN: H. HATA

DRAWN: T. AKASAKI

JANCD-MBB04 (2/3)

YASNAC MRC SMALL TYPE FOR EUROPE

HE9302167

DE9303116

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YASKAWA

YASNAC MRC SMALL TYPE FOR EUROPE

HE9302167

DE9303116

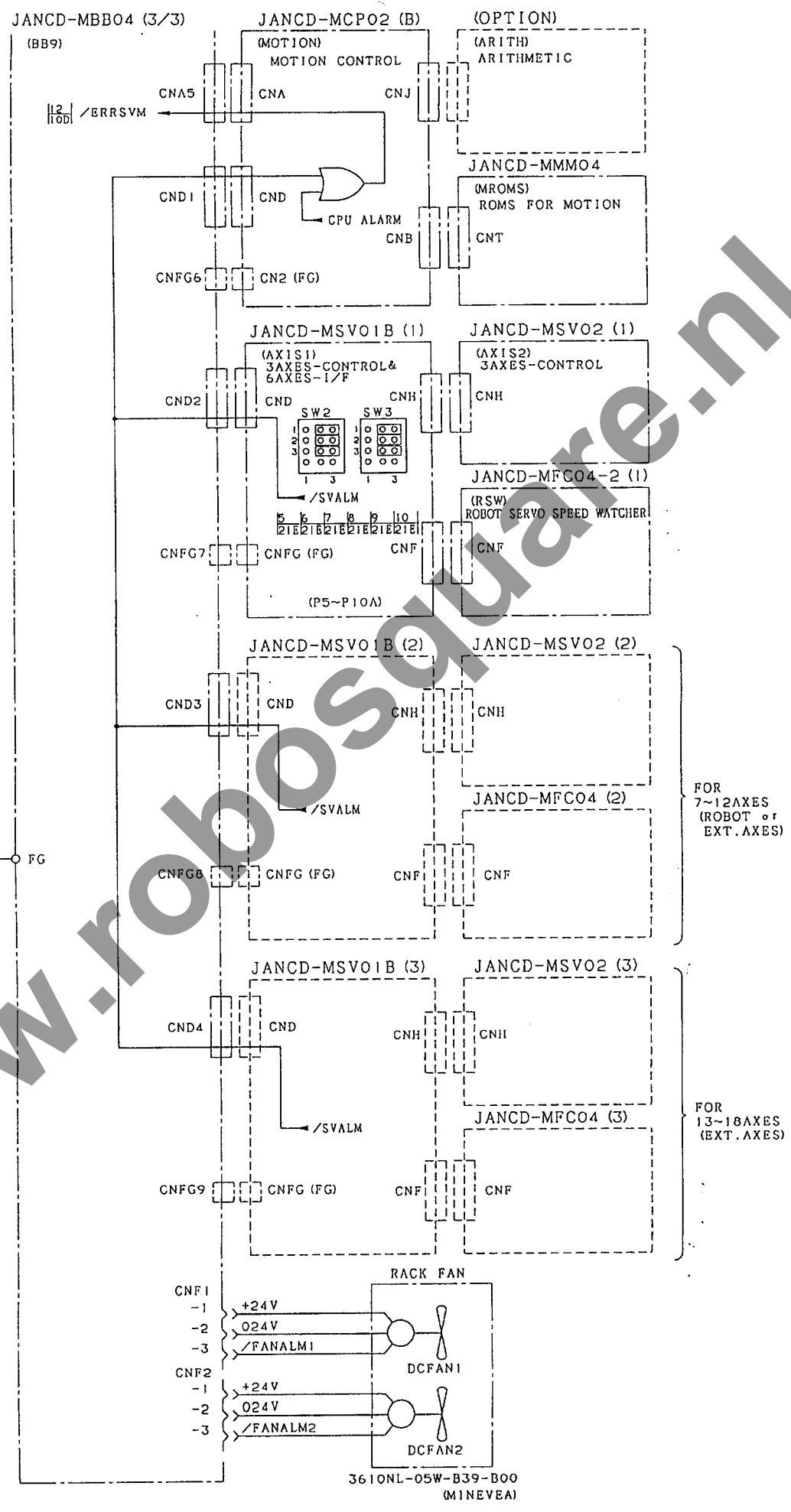
Drawn: T. AKASAKI

Checked: H. MATSUDA

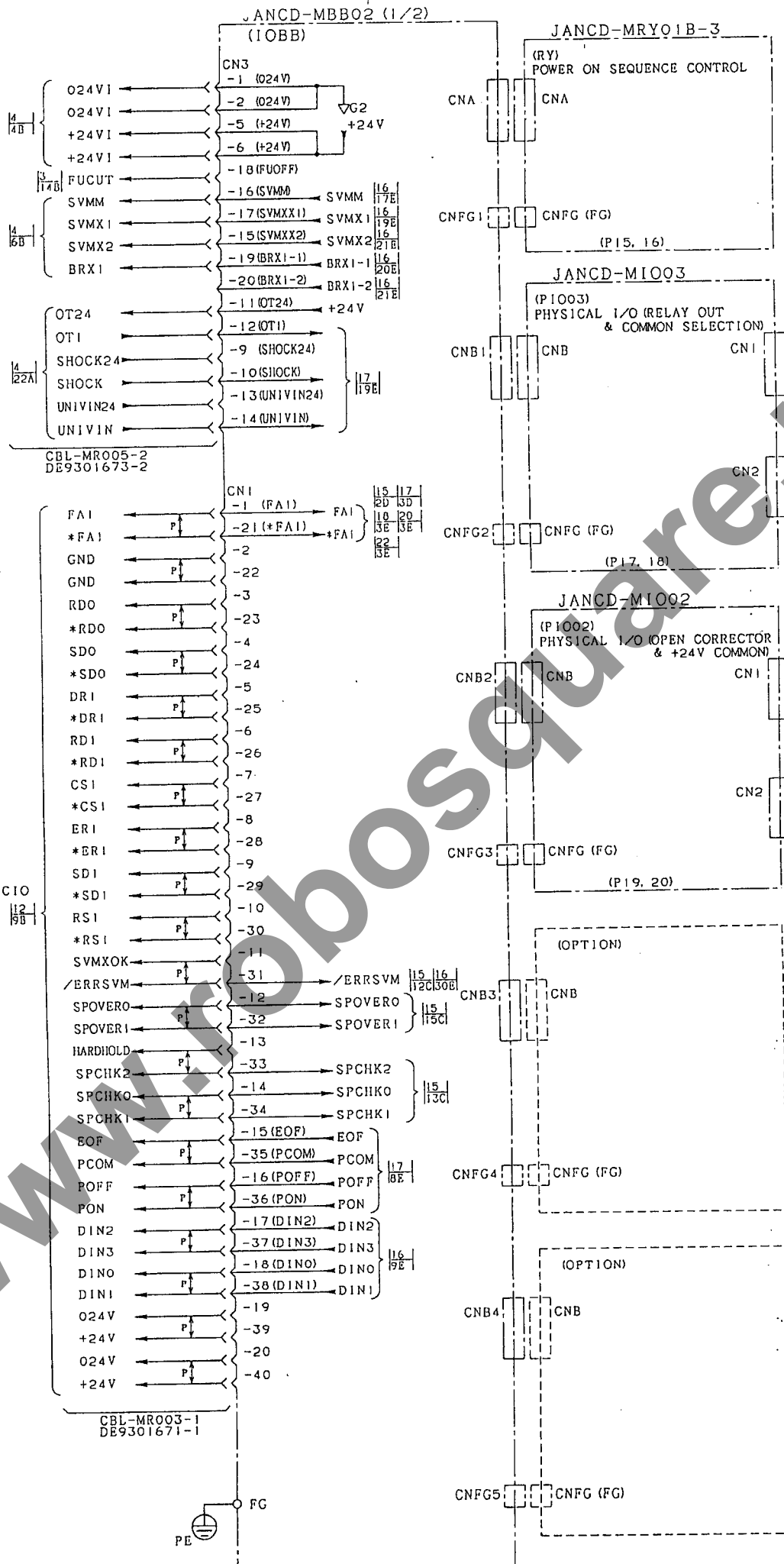
Appr.: S. SUGIURA

MBB04 (MCP02 (B), MIMO4, MSVO1B (1)~MSVO2 (3), FAN etc.) (3/3)

13/27



YASKAWA		DATE: JAN. 16, 1995		T. AKASAKI	
Check	YASNAC MRC SMALL TYPE FOR EUROPE	Check	YASNAC MRC SMALL TYPE FOR EUROPE	Check	YASNAC MRC SMALL TYPE FOR EUROPE
MBB02 (MRY01B-3, M1002, M1003, etc.) (1/2)		MBB02 (MRY01B-3, M1002, M1003, etc.) (1/2)		MBB02 (MRY01B-3, M1002, M1003, etc.) (1/2)	
DE9303116		DE9303116		DE9303116	
HE9302167		HE9302167		HE9302167	
14		14		14	
27		27		27	

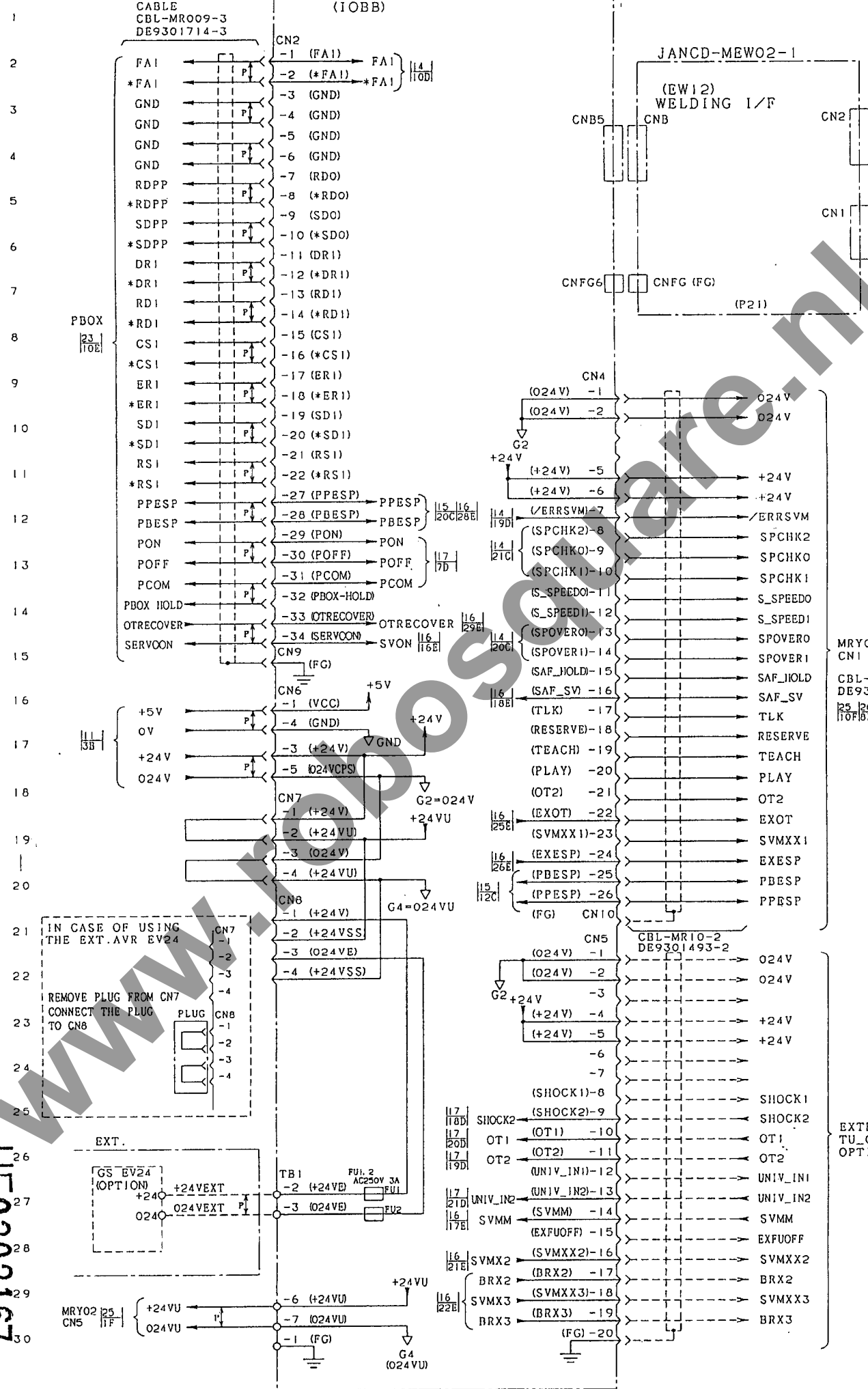


JANCD-MBB02 (2/2)
(IOBB)

CABLE
CBL-MR009-3
DE9301714-3

JANCD-MEW02-1

(EW12)
WELDING I/F



IN CASE OF USING
THE EXT. AVR EV24
REMOVE PLUG FROM CN7
CONNECT THE PLUG
TO CN8

EXT.

GS EV24
(OPTION)

MRY02 25
CN5 11F

MRY02
CN1
CBL-MR10-02
DE9301493-2
25 26
10F 10F

EXTERNAL AXES.
TU_CONTROL
OPTION

Revision

Drawn	2001.10.15	T. AKASAKI
Check	2001.10.15	H. MOTOYAMA
Appr.	2001.10.15	S. KAWABATA

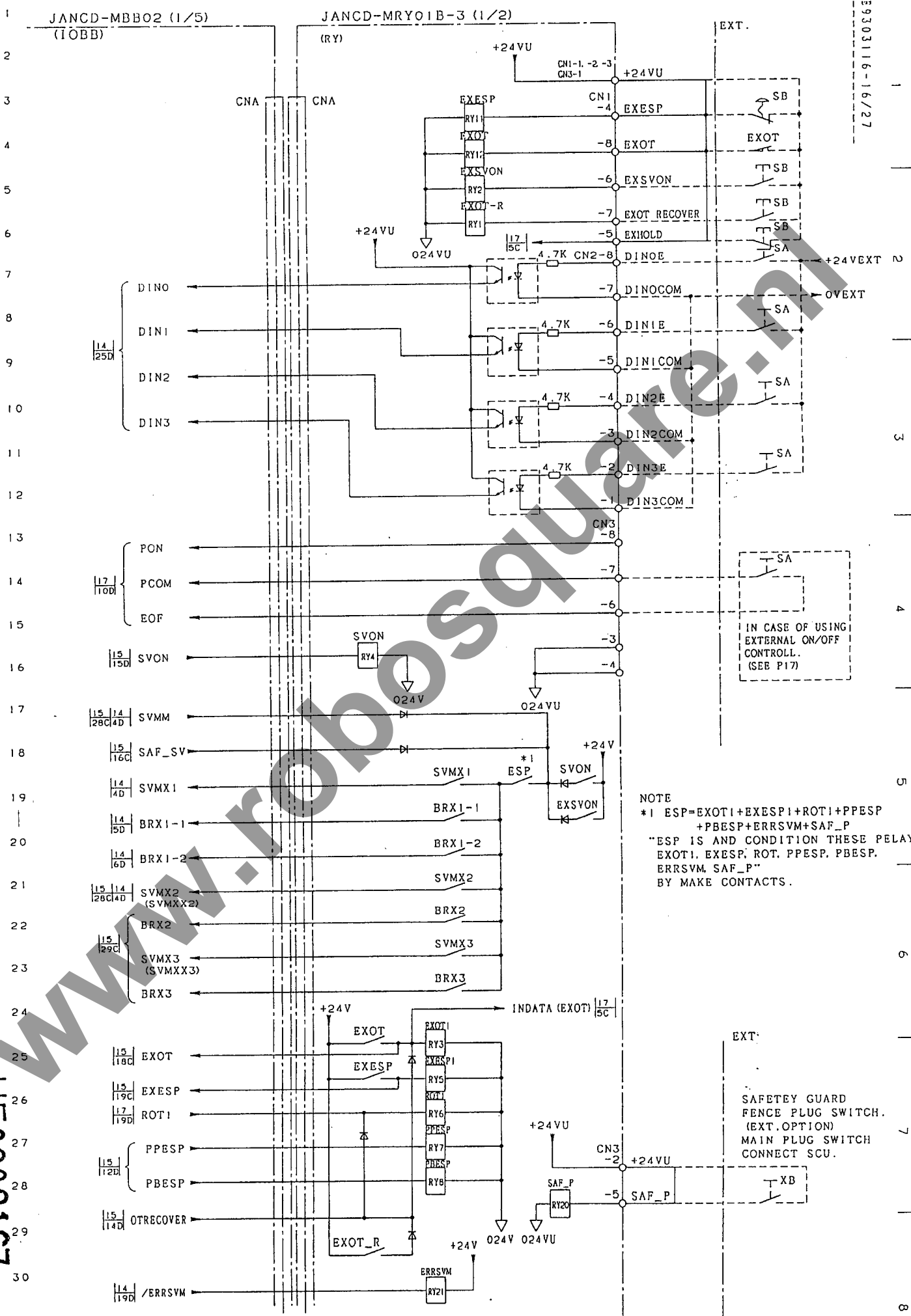
YASKAWA

YASNAC MRC SMALL TYPE FOR EUROPE

DE9303116

HE9302167

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27



YASKAWA

DE9303116

HE9302167

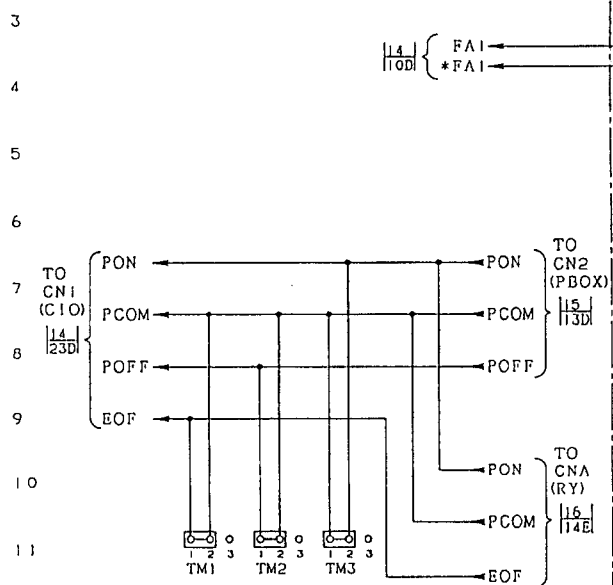
YASNAC MRC SMALL TYPE FOR EUROPE

MRY01B (1/2) SAFETY RELAY

16/27

JANCD-MBB02 (2/5)
(IOBB)

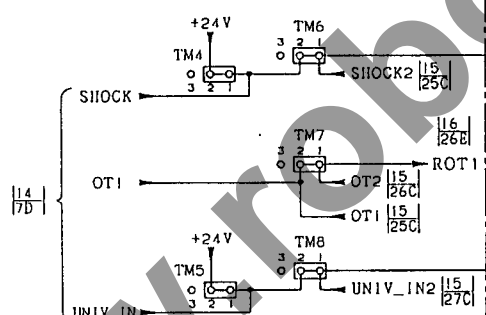
JANCD-MRY01B-3 (2/2)



SHORT PIN SETTING

	1	2	3
TM1	0	0	0
TM2	0	0	0
TM3	0	0	0
TM4	0	0	0
TM5	0	0	0
TM6	0	0	0
TM7	0	0	0
TM8	0	0	0

IN CASE OF NOT USING EXTERNAL POWER ON/OFF FUNCTION. (NORMAL)

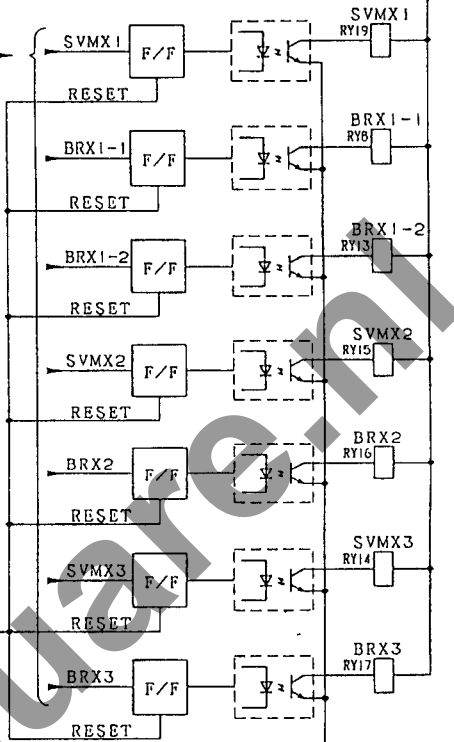


CNFG1 CNF (FG)

NEW FA BUS OUT DATA
SERIAL & PARALLEL CONVERTER

INDATA
16 116 117
7C 124C 17C
17 20C

ALARM&ESP
ALARM LATCH



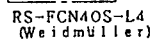
024V

SW1

1	2	3
0	0	0
SHORT	SHOCK SIGNAL	
1-2	NORMAL SIGNAL	
2-3	E-STOP SIGNAL	

SW2

1	2	3
0	0	0
SHORT	FENCE PLUG SWITCH	
1-2	VALIDNESS	
2-3	INVALIDNESS	

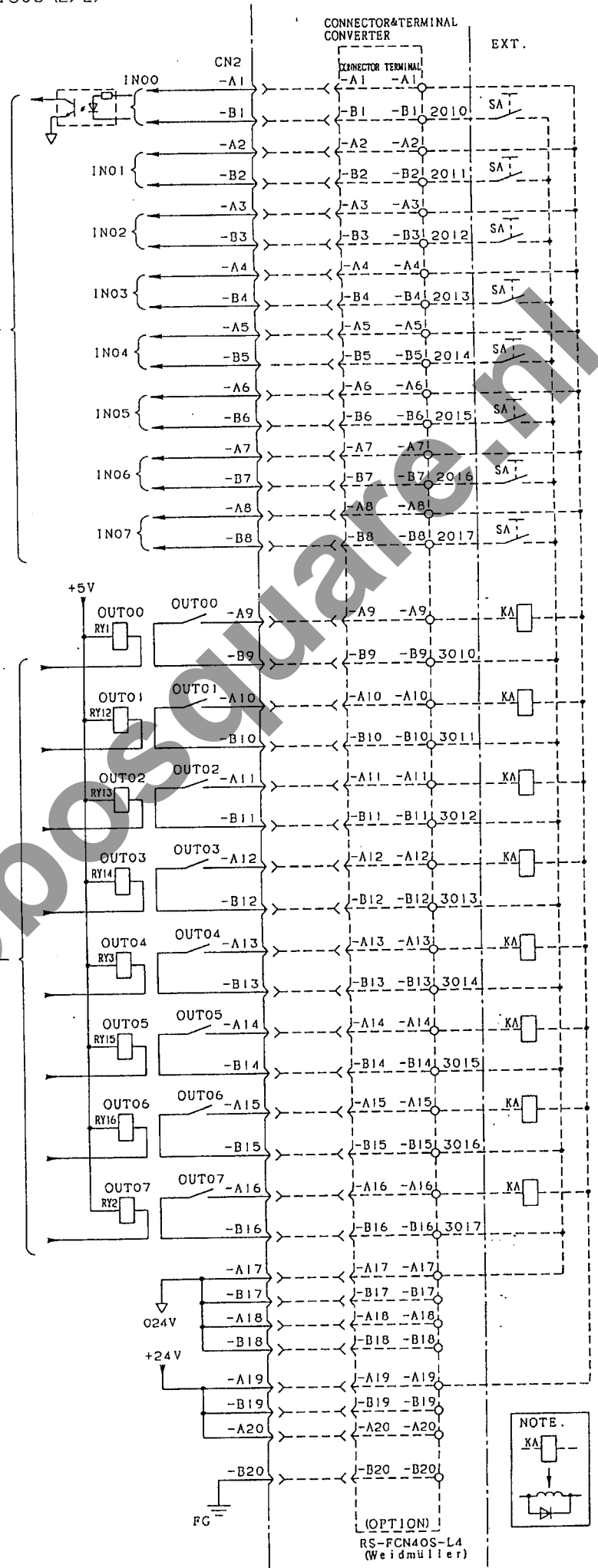

$$\frac{10}{27} \times$$

JANCD-M1003 (2/2)
(P1003)

YASKAWA	
DR. No.	JANCD-M1003
Check.	T. AKASAKI
Appr.	YASAC MRC SMALL TYPE FOR EUROPE
PHYSICAL I/O M1003 (2/2) COMMON SELECTION	
GROUP	DE9303116
USER	R2A 1D
BB	19
	27

INDATA

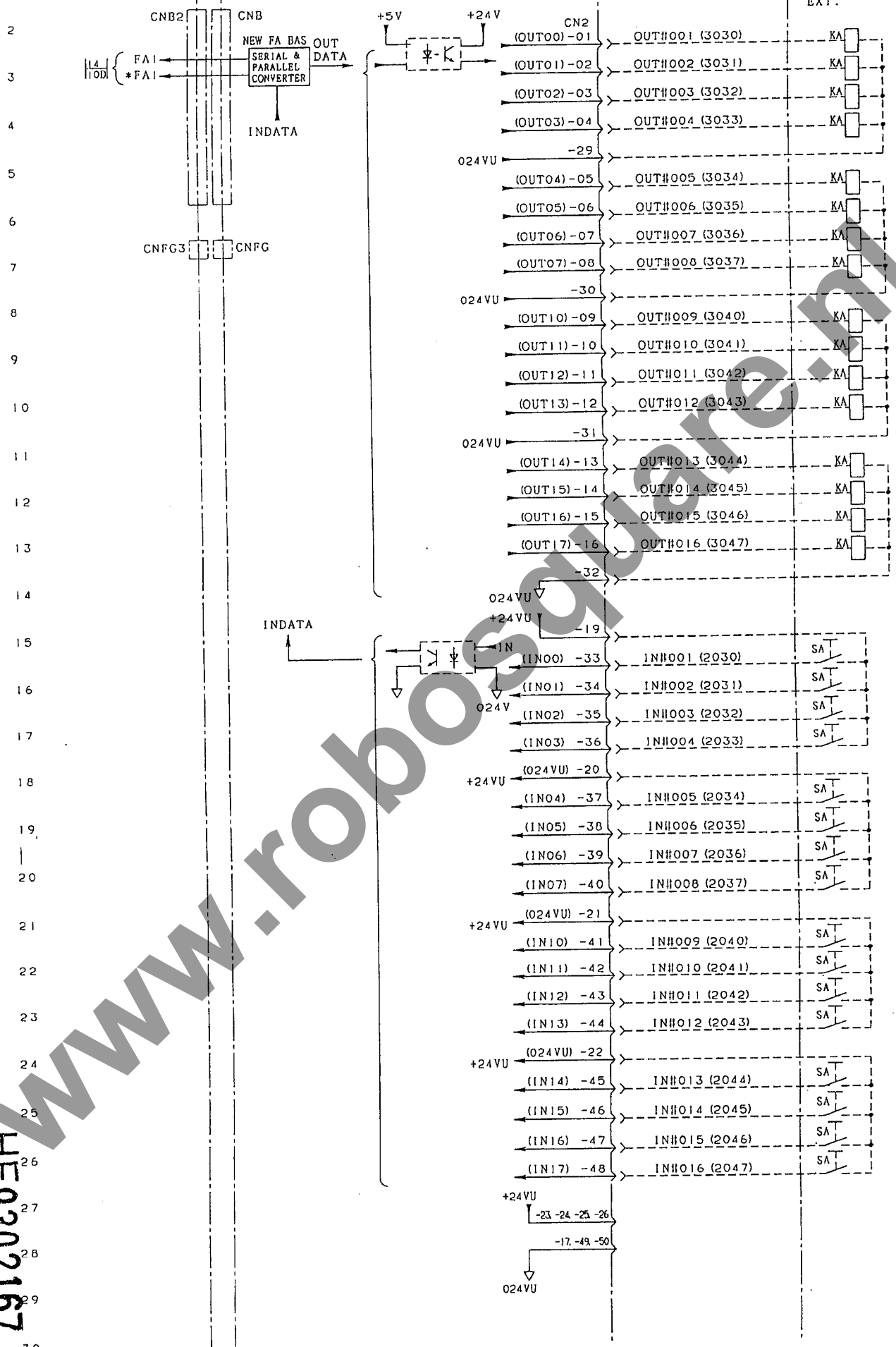
OUTDATA



DE9303116-19/27

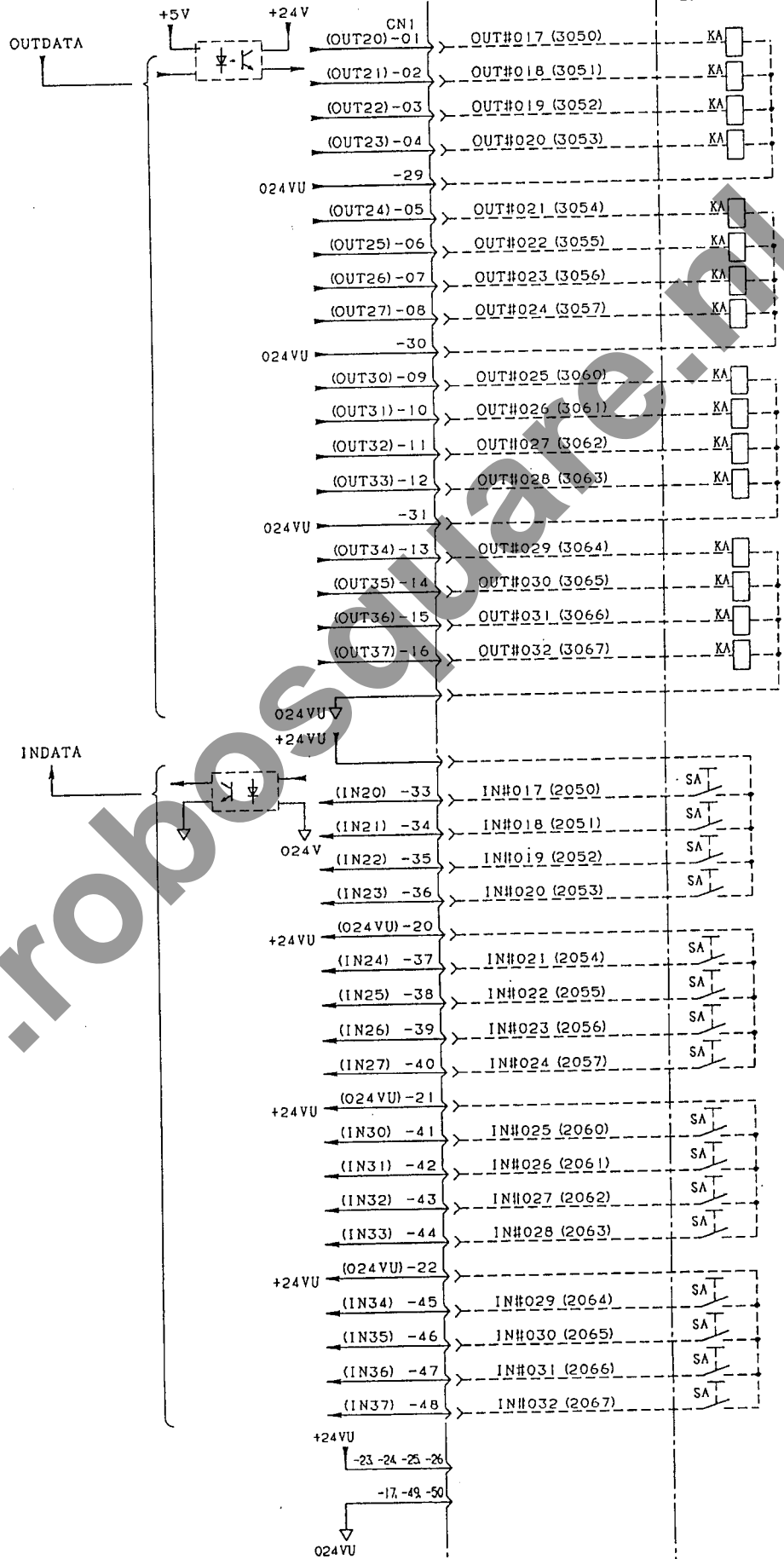
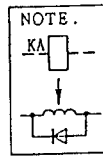
JANCD-MBB02 (4/5)
(IOBB)

JANCD-MIO02 (1/2)
(PIO02)



YASKAWA	DATE	1987.10.15	DESIGNED BY	T. AKASAKI	YASNAC MRC SMALL TYPE FOR EUROPE	DE9303116
	CHECKED BY	1987.10.15	DESIGNED BY	H. YAMAGUCHI	PHYSICAL I/O MIO02 (1/2) +24V COMMON	HE9302167
	APPROVED BY	1987.10.15	DESIGNED BY	S. SUGIMOTO		

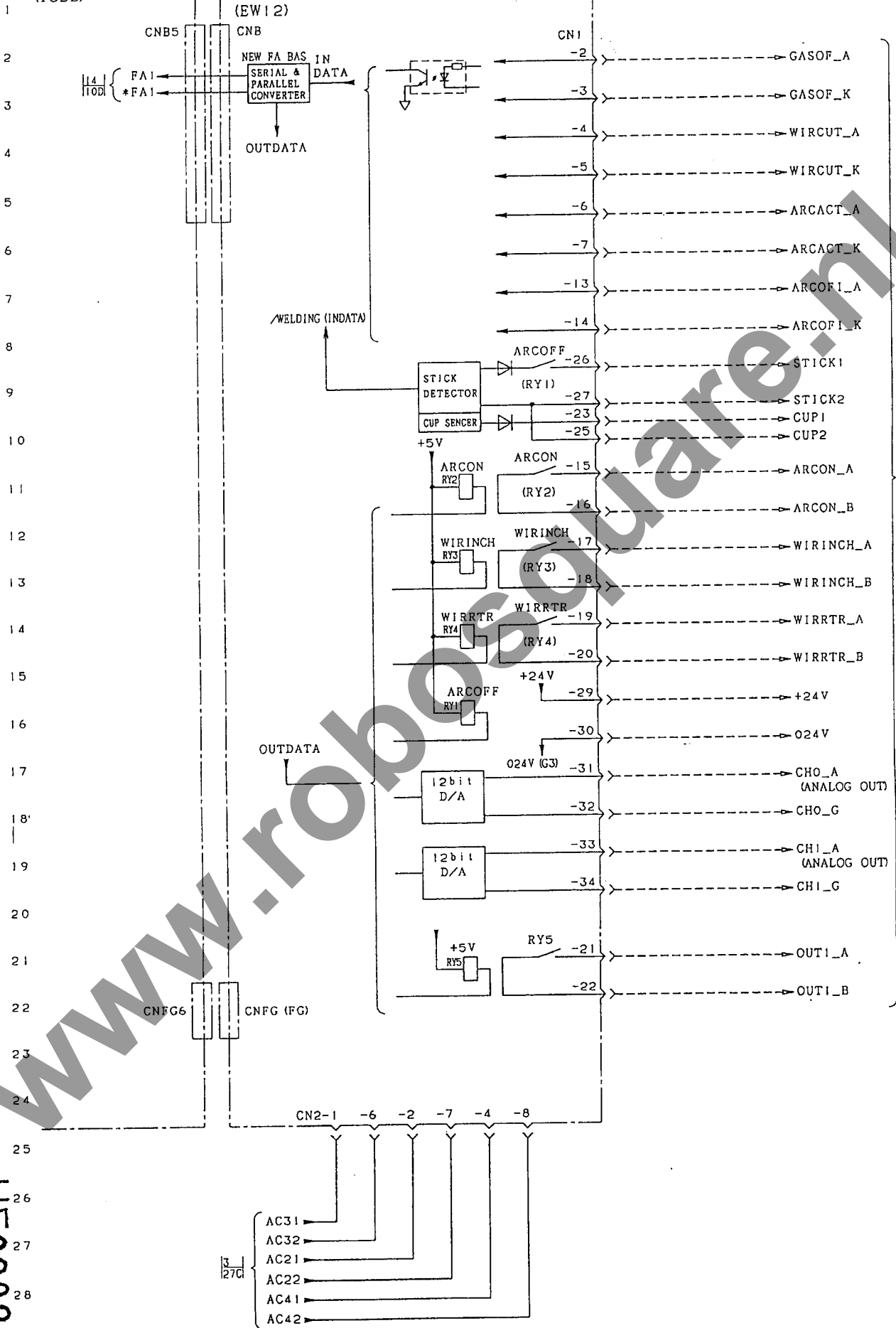
JANCD-M1002 (2/2)
(PIO02)



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YASKAWA																													
YASNAC MRC SMALL TYPE FOR EUROPE																													
DE9303116																													
HE9302167																													
21																													
27																													
RB																													

JANCD-MBB02 (5/5)
(IOBB)

JANCD-MEW02-1



FOR WELDER

YASKAWA

Drawn: JMS, 10.10.95
Checked: TMS, 16.07.97
Appr.: JMS, 17.07.97

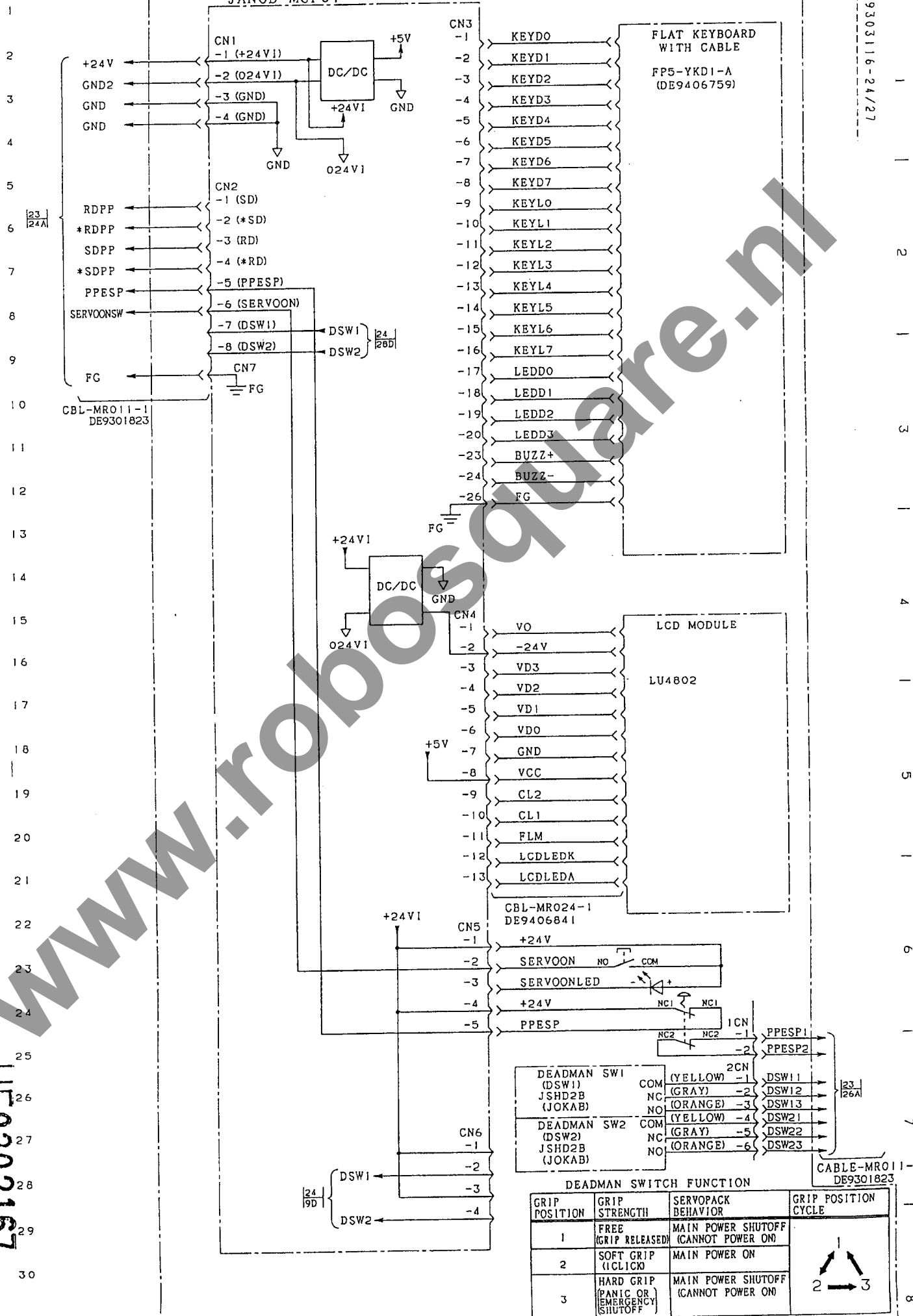
YASNAC MRC SMALL TYPE FOR EUROPE
WELDING I/F MEW02

DE9303116



JZNC-MPP17E (ENG)

JANCD-MSPO1



YASKAWA

DR. W. T. AKASAKI
Check. T. AKASAKI
Appr. T. AKASAKI

YASNAC MRC SMALL TYPE FOR EUROPE
PROGRAMMING PENDANT MPP17E

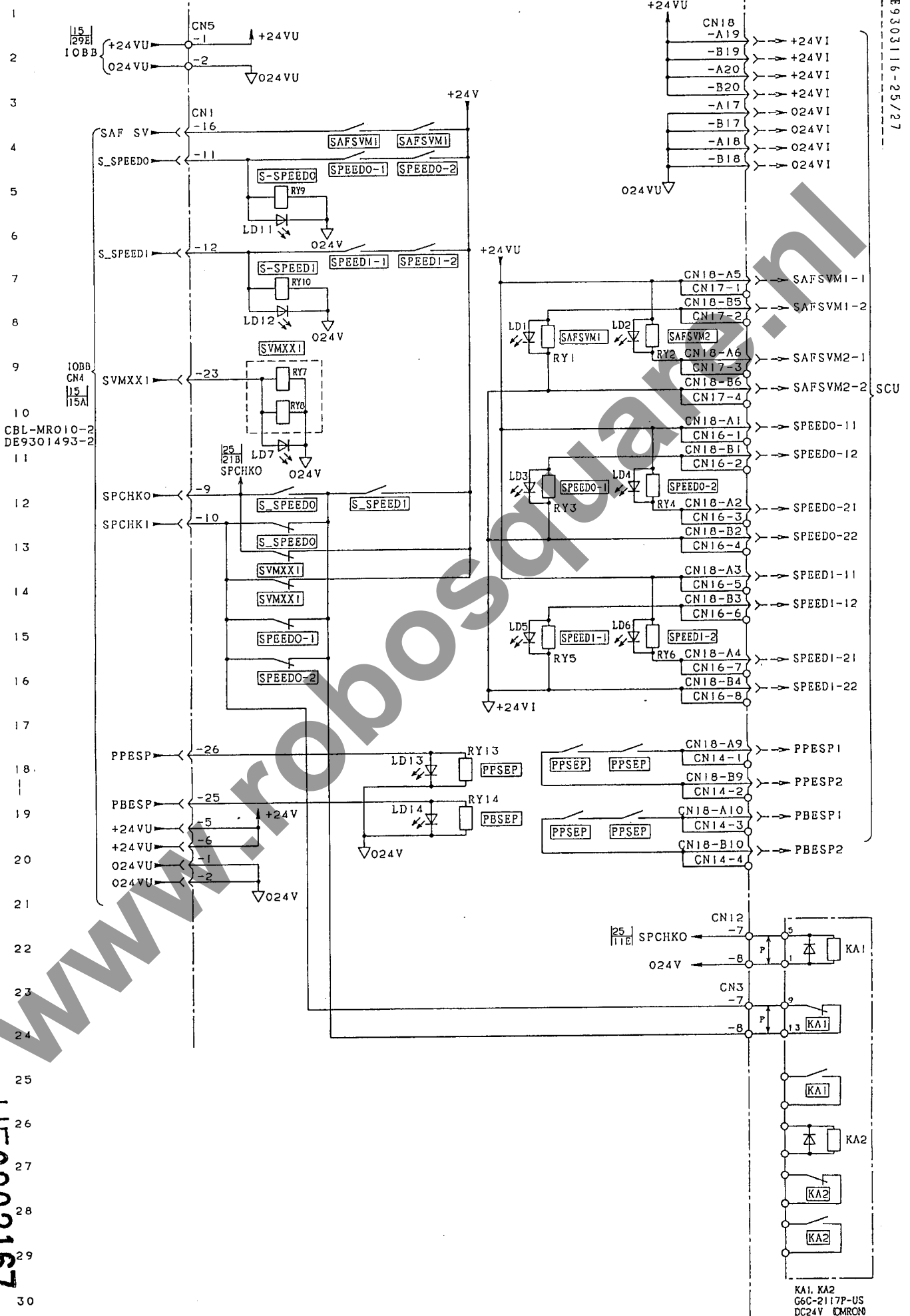
HE9302167
DE9303116

GROUP

USER R 2 A 1 D

BB

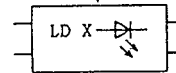
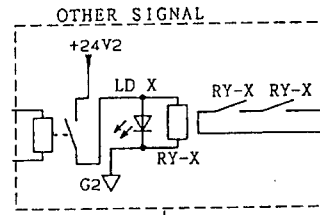
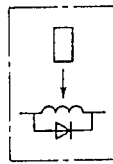
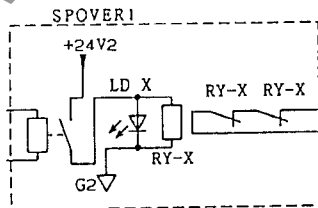
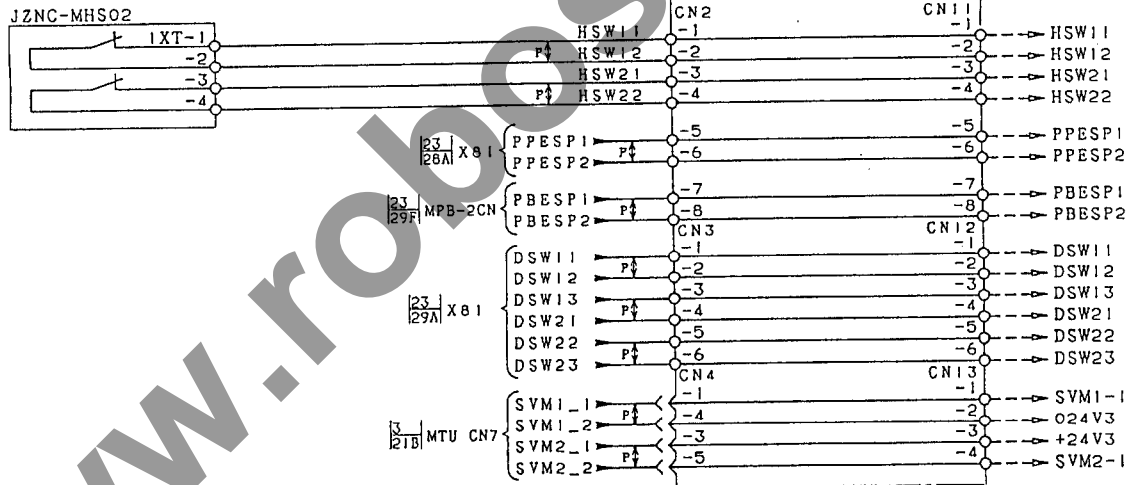
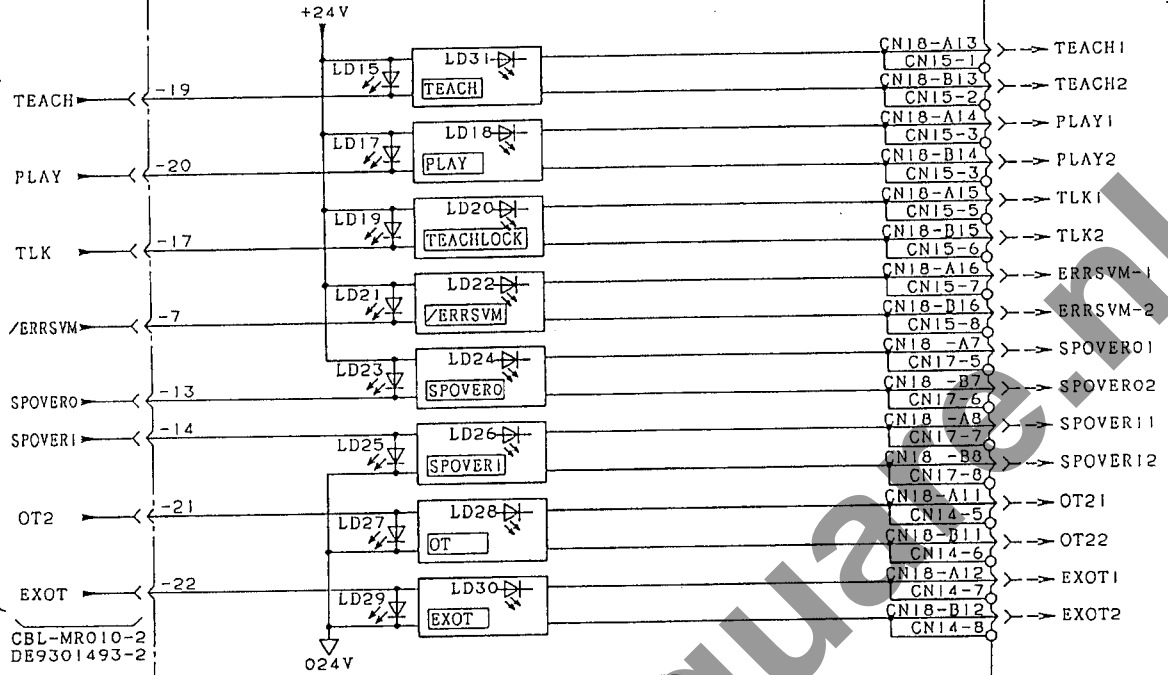
JANCD-MRY02 (SIF) (1/2)



KA1, KA2
G6C-2117P-US
DC24V CMCN0

YASKAWA	
Model	YASNAC MRC SMALL TYPE FOR EUROPE
Doc. No.	DE9303116
Rev.	HE9302167

JANCD-MRY02 (2/2) (SIF)



SAFETY CONTROL UNIT

YASKAWA

DE9303116-26/27

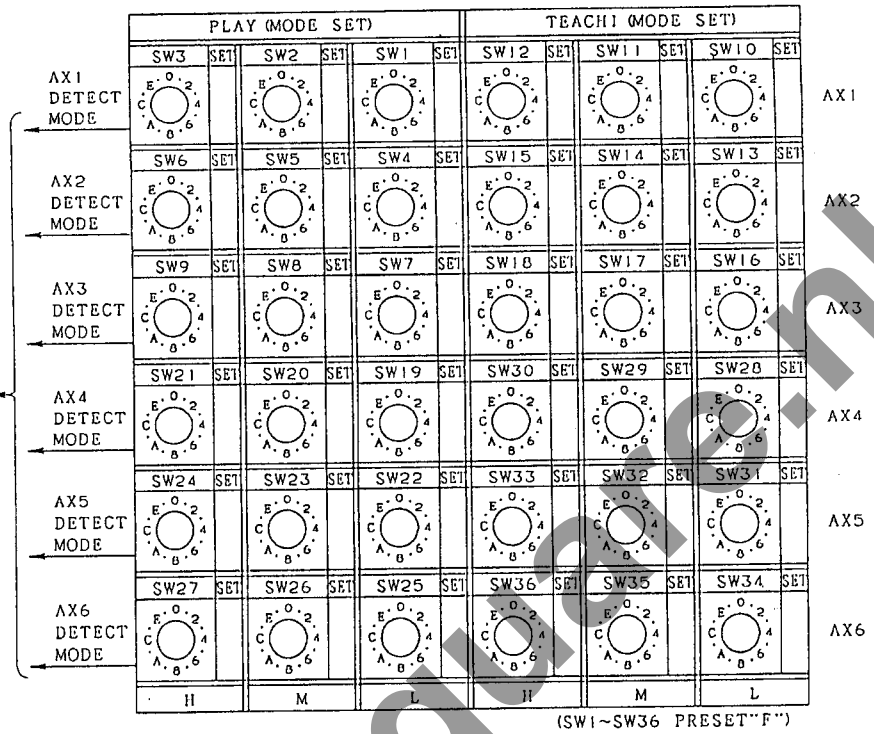
YASNAC MRC SMALL TYPE FOR EUROPE

DE9303116

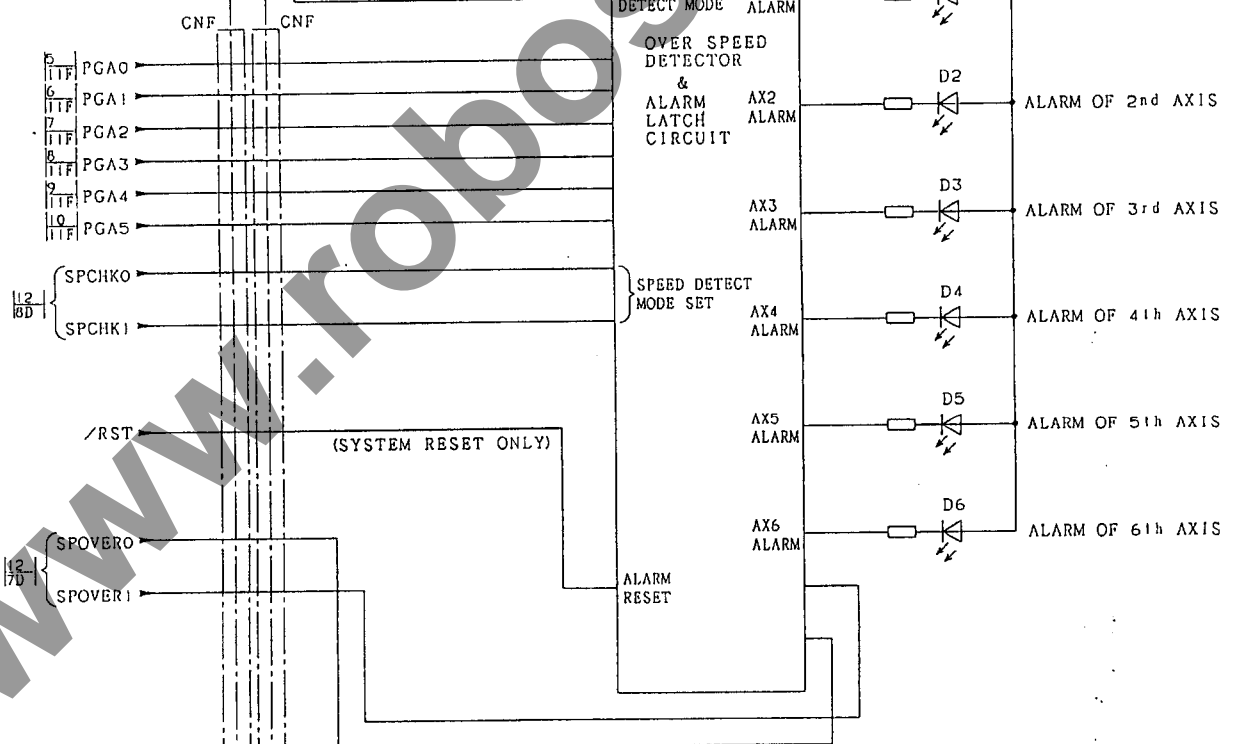
JANCD-MSVO1 (1)
(AXIS1 (1))

JANCD-MFC04
(RSW) ROBOT SERVO SPEED WATCHER

SERIAL NO. _____
ROBOT TYPE _____



MACHINE MODE SET



YASKAWA

Draw. 108.1.193 T. AKASAKI
Check. 16.12.73 H. AOKI
Appr. 16.12.73 S. SUGIURA

YASNAC MRC SMALL TYPE FOR EUROPE
MFC04 ROBOT SPEED WATCHER

HE9302167
DE9303116