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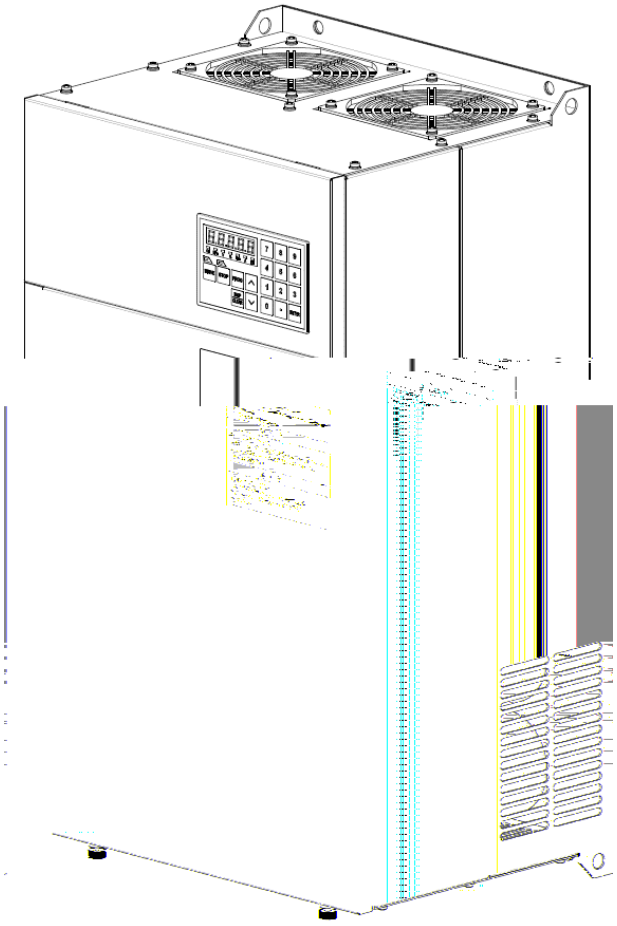

**1-1**

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**1-3**

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**1-7**

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**1-8**

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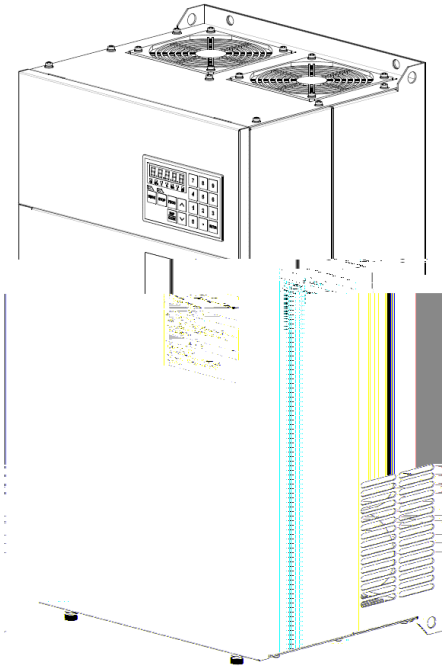
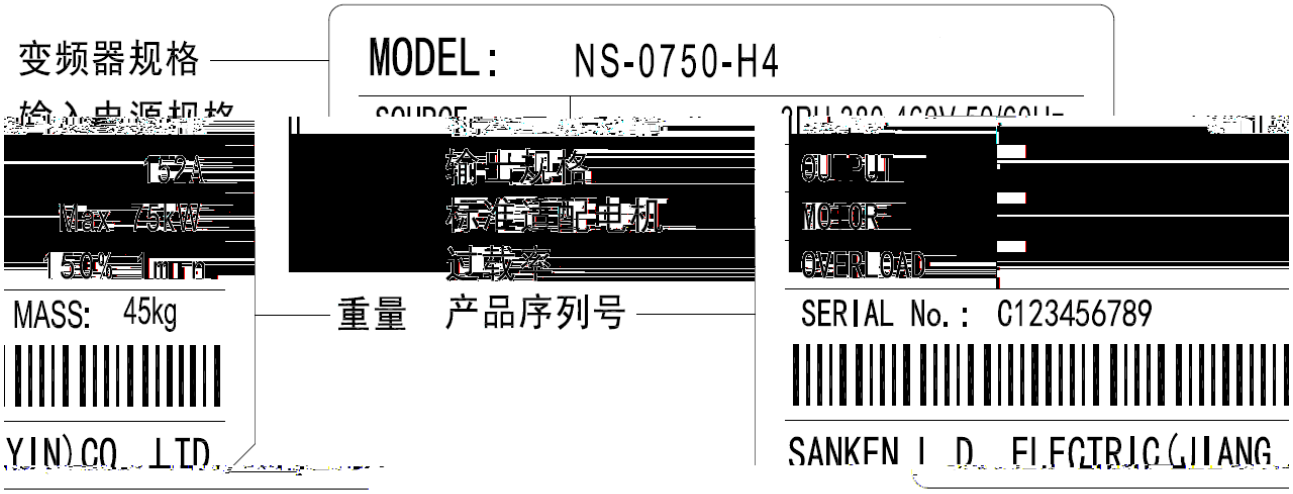
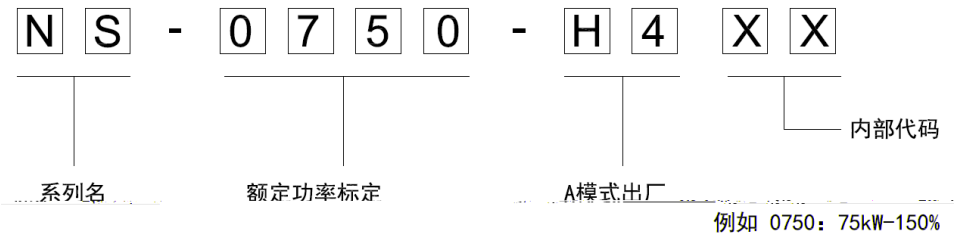
**2-1**



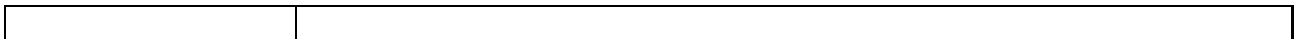
**2-2**


变频器规格
MODEL: NS-0750-H4
输出规格
标准适用电机
过载率
重量
产品序列号
MASS: 45kg
SERIAL No.: C123456789
YIN)CO LTD
SANKEN I D ELECTRIC(JIANG




例如 0750：75kW-150%

**3-1**



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**4-1**

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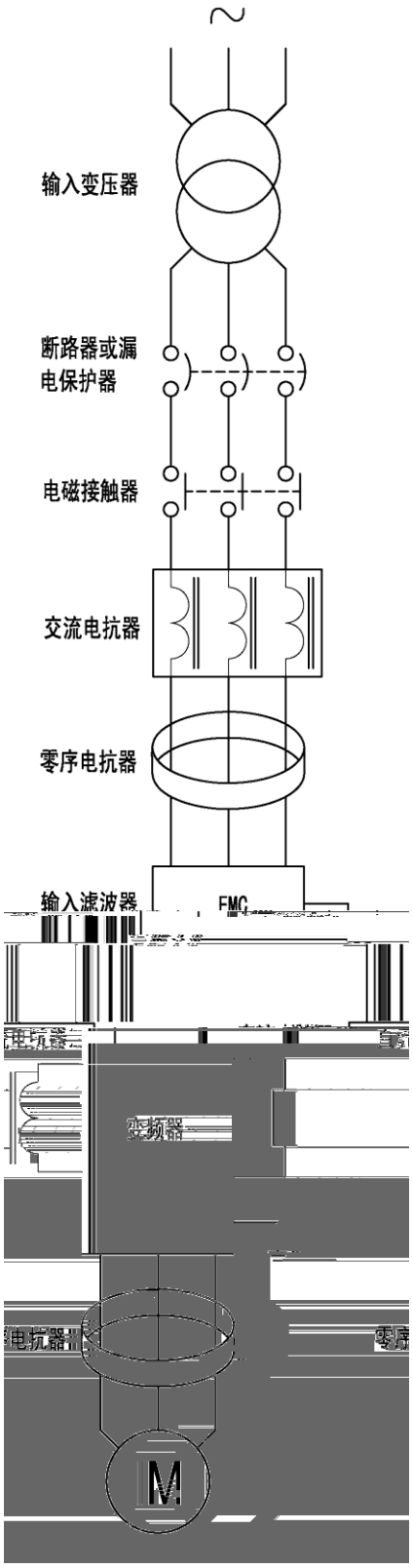

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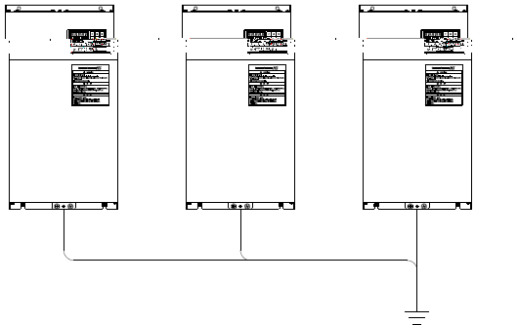
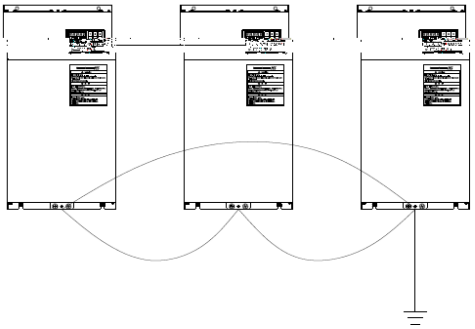
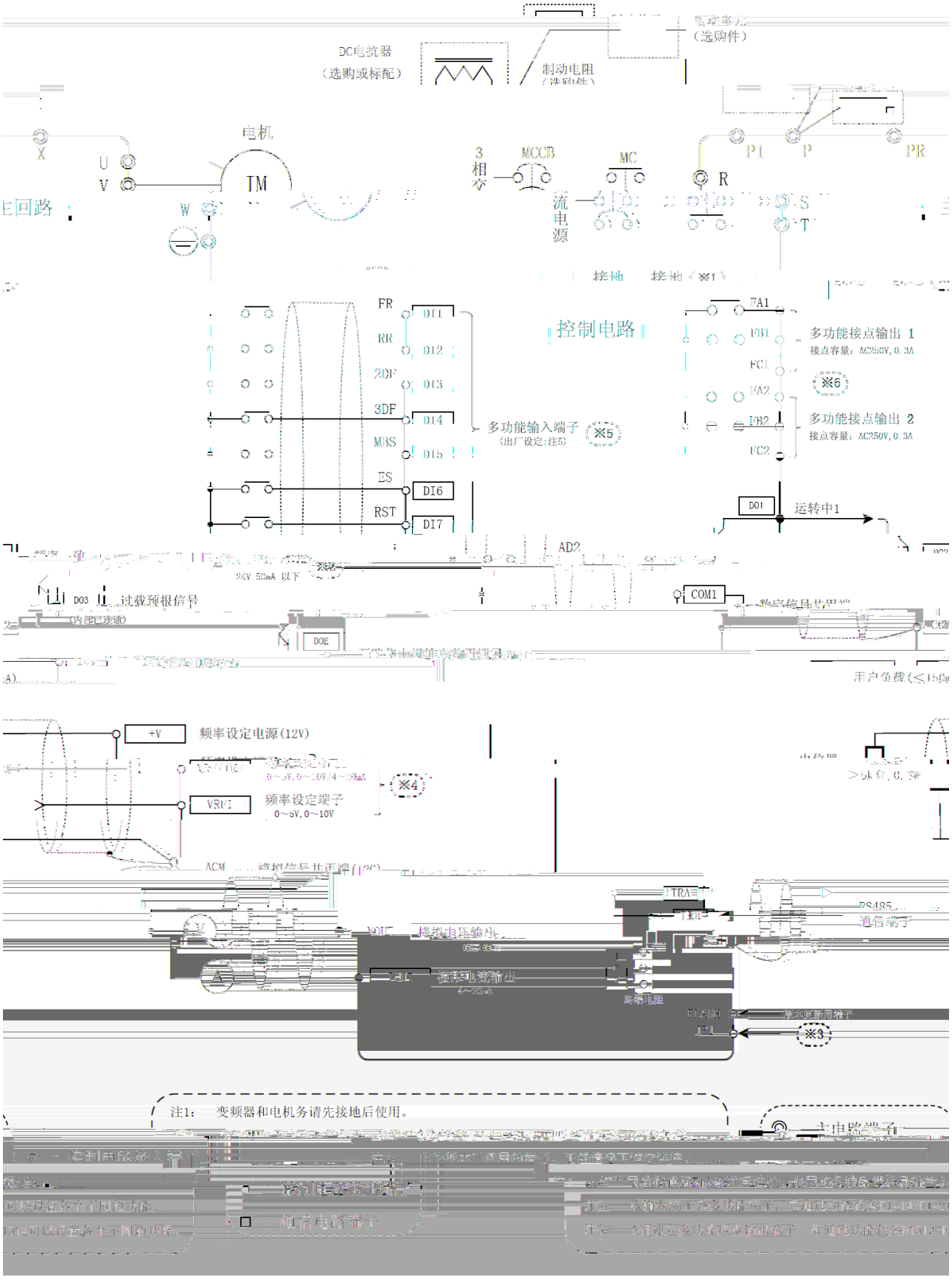


正确



错误


DC电抗器
（选购或标配）
制动电阻
（选购件）
电机
TM
3
相
交
流
电
源
MCCB
MC
R
S
T
P1
P
PR
接地
接地 ※1
控制电路
FR
RR
2DF
3DF
MRS
ES
RST
DI1
DI2
DI3
DI4
DI5
DI6
DI7
多功能输入端子
（出厂设定：注5）
※5
TA1
TB1
TC1
TA2
TB2
TC2
多功能接点输出 1
接点容量：AC250V, 0.3A
※6
多功能接点输出 2
接点容量：AC250V, 0.3A
DO1
运转中1
AD2
DO3
过载预报信号
DOE
COM1
+V
频率设定电源(12V)
VRF1
频率设定端子
0～5V, 0～10V
※4
TRA
RS485
通信端子
※3
注1： 变频器和电机务请先接地后使用。
主电路端子
控制电路端子
通信电路端子

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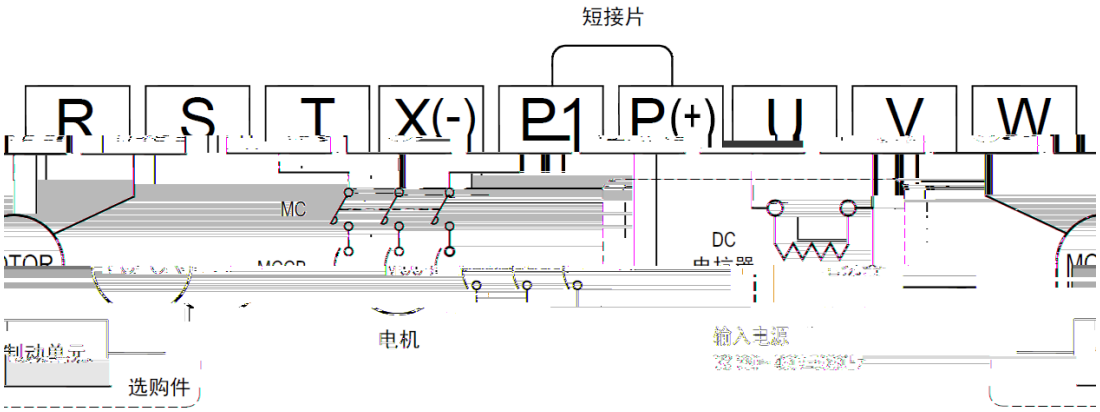
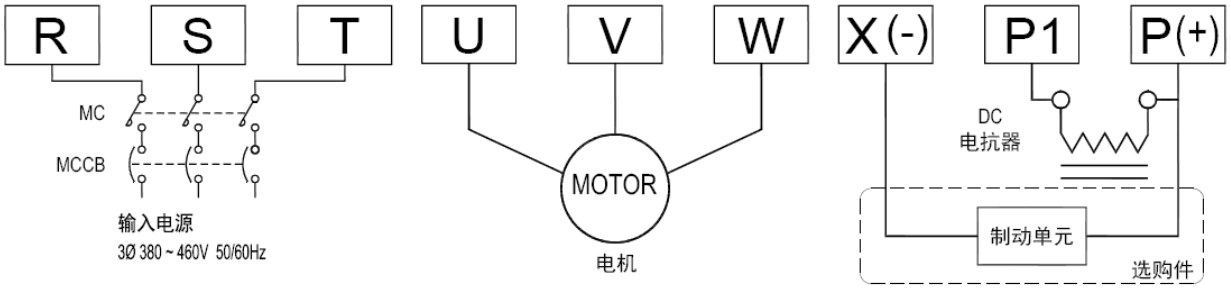

短接片
R
S
T
X(-)
P1
P(+)
U
V
W
MC
DC
电抗器
电机
输入电源
选购件

(


R
S
T
U
V
W
X(-)
P1
P(+)
MC
MCCB
输入电源
3Ø 380 ~ 460V 50/60Hz
MOTOR
电机
DC
电抗器
制动单元
选购件

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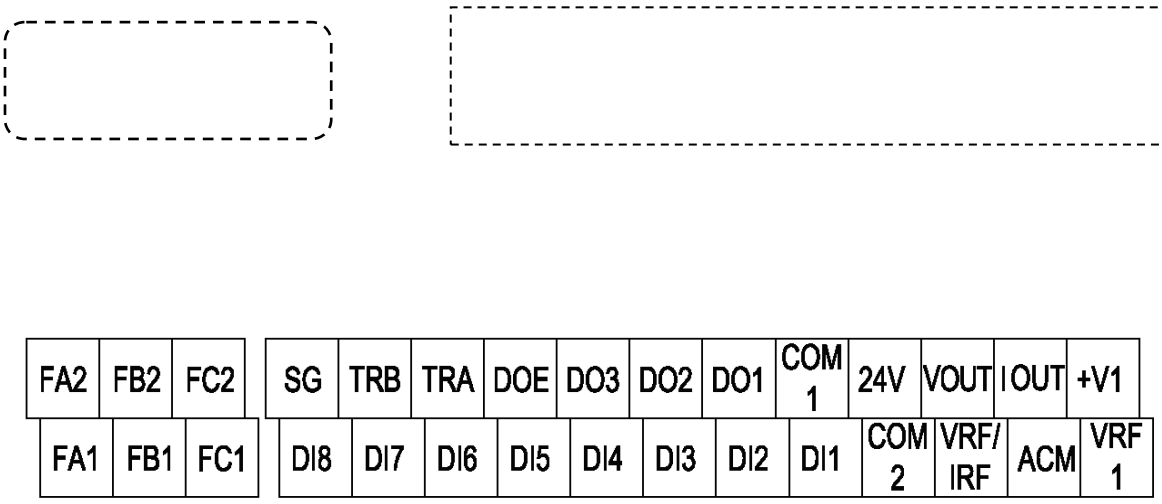
FA2
FB2
FC2
FA1
FB1
FC1
SG
TRB
TRA
DOE
DO3
DO2
DO1
COM 1
24V
VOUT
IOUT
+V1
DI8
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COM 2
VRF/ IRF
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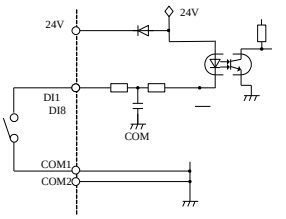
| | | | |  |
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24V
DI1
DI8
COM
COM1
COM2

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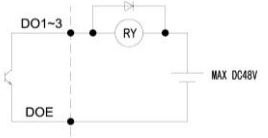
| | | | |  |
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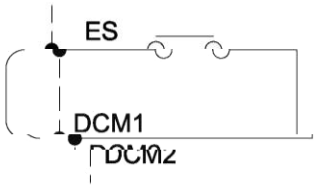
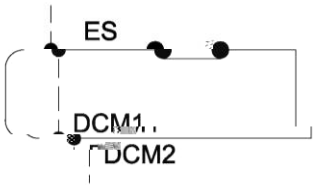
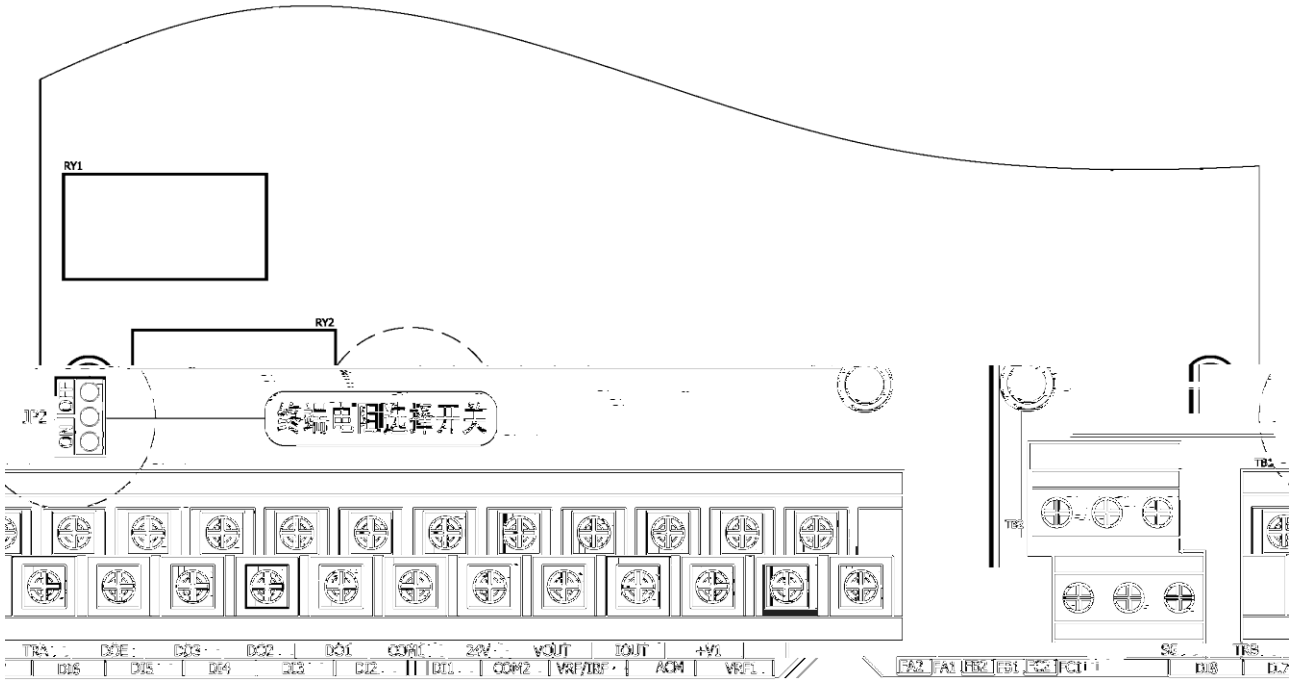
MAX DC48V
DOE

输入"常开"信号时:
F1413=1

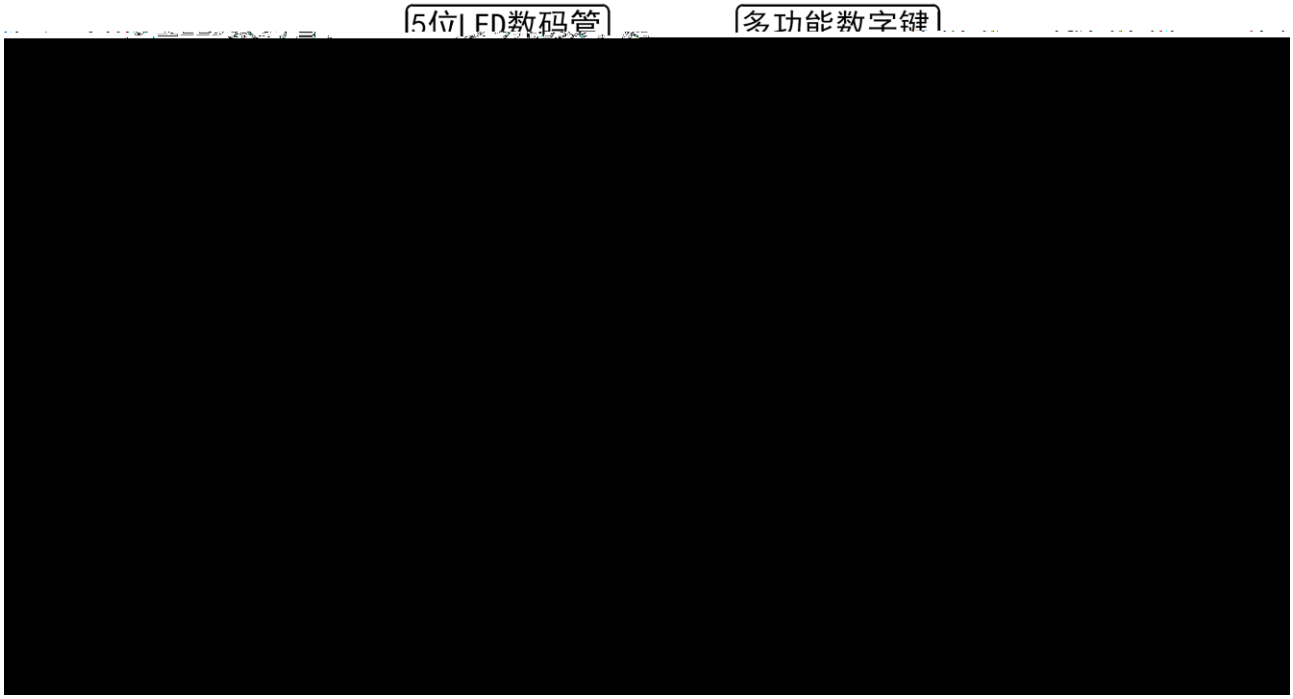



输入"常闭"信号时:
F1413=2



**5-1**

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**5-2**

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| | ^ | ●<br>●<br>●<br>● | UP |
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**5-3**

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UP / DOWN ENTER

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CLEAR/DISP

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| | 50.00 50.00 | |

**5-5**

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| | F 1602 | |
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| | 2<br>XXXXX End | |
| | F 1805 | |

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| | F 1806 | |
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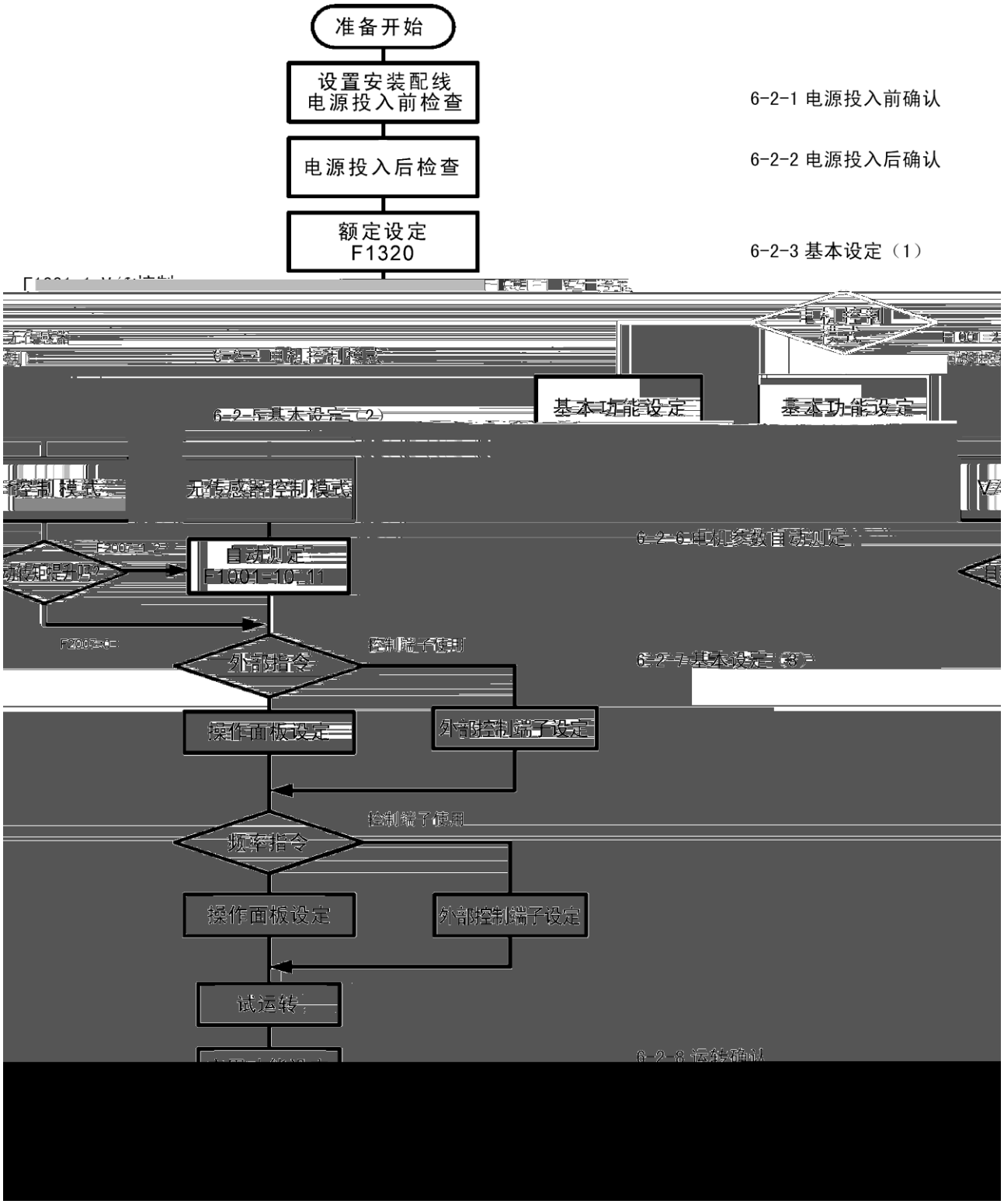
**6-1**


准备开始
设置安装配线
电源投入前检查
电源投入后检查
额定设定
F1320
6-2-1 电源投入前确认
6-2-2 电源投入后确认
6-2-3 基本设定（1）
基本功能设定
基本功能设定
6-2-6 电机参数自动测定
自动测定
F1001=10, 11
外部指令
操作面板设定
外部控制端子设定
操作指令
操作面板设定
外部控制端子设定
试运转
6-2-8 运转确认

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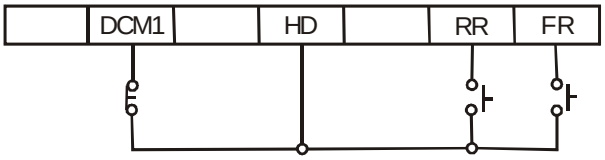
DCM1
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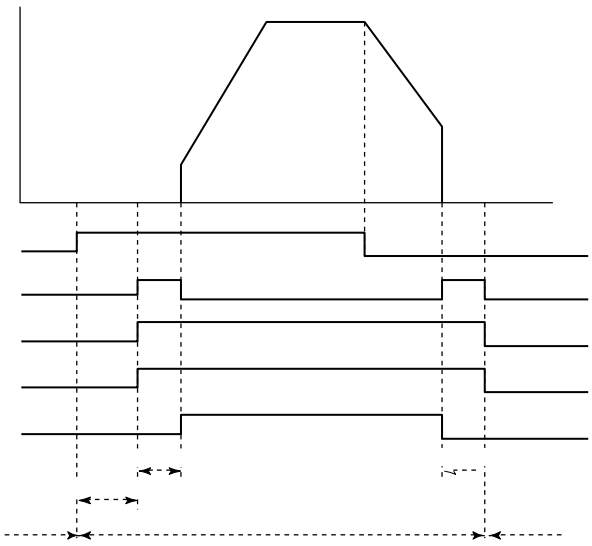
FR



**7-1**

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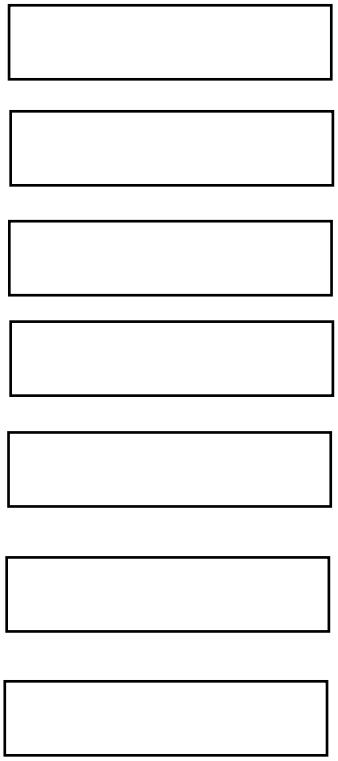

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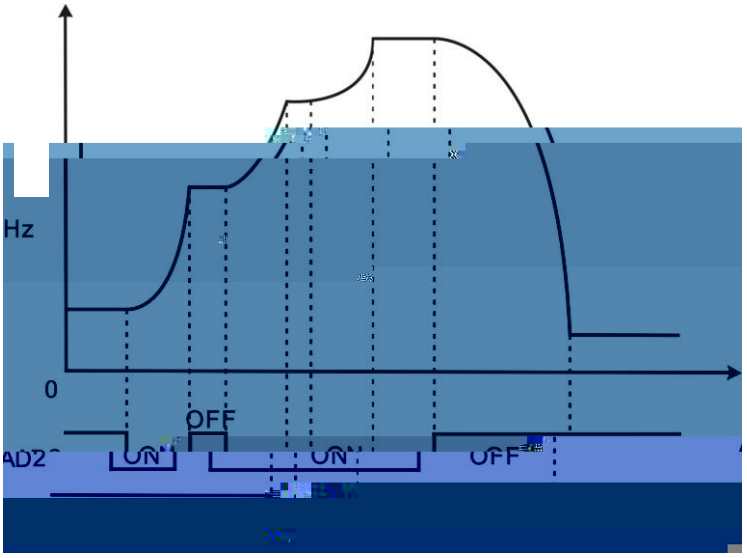
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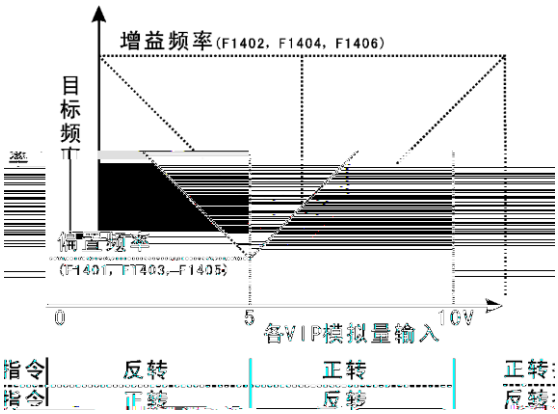
增益频率(F1402，F1404，F1406)
目标频率
偏置频率
(F1401，F1403，F1405)
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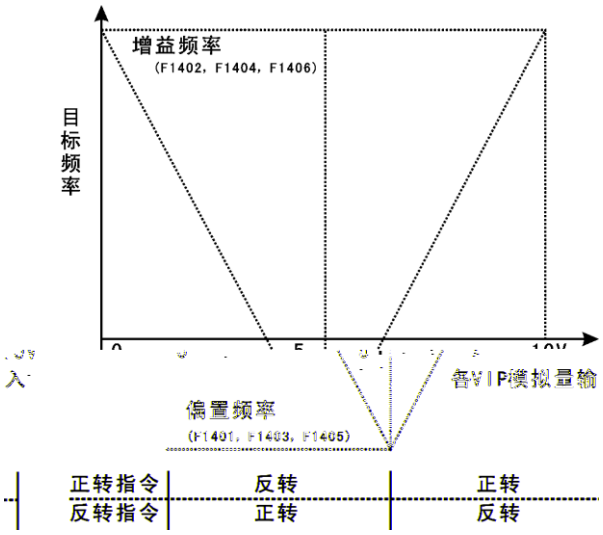
各VIP模拟量输入
指令 反转 正转
指令 正转 反转


增益频率
(F1402，F1404，F1406)
目标频率
偏置频率
(F1401，F1403，F1405)
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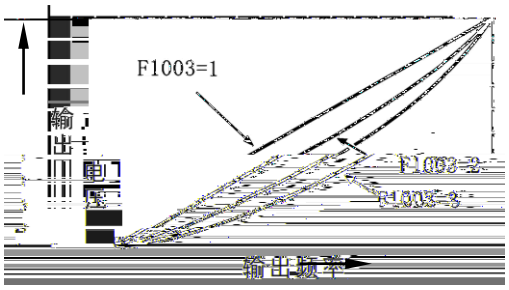
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输出频率

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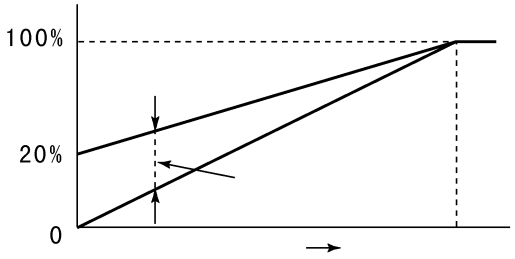
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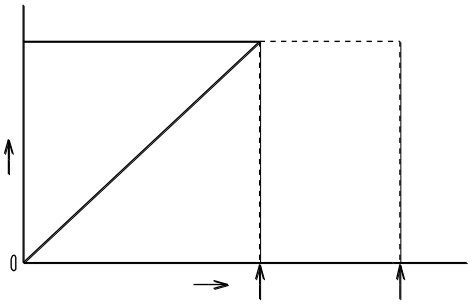
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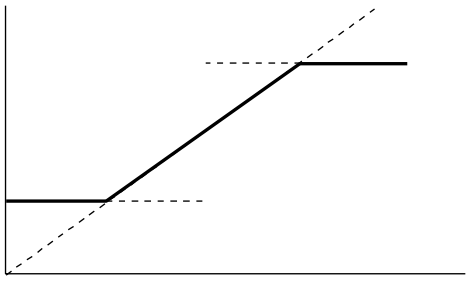

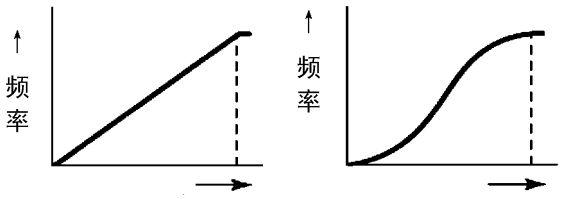
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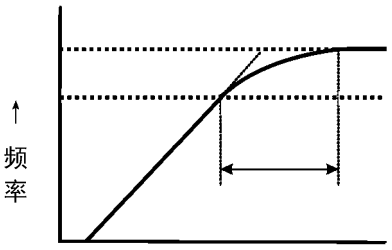
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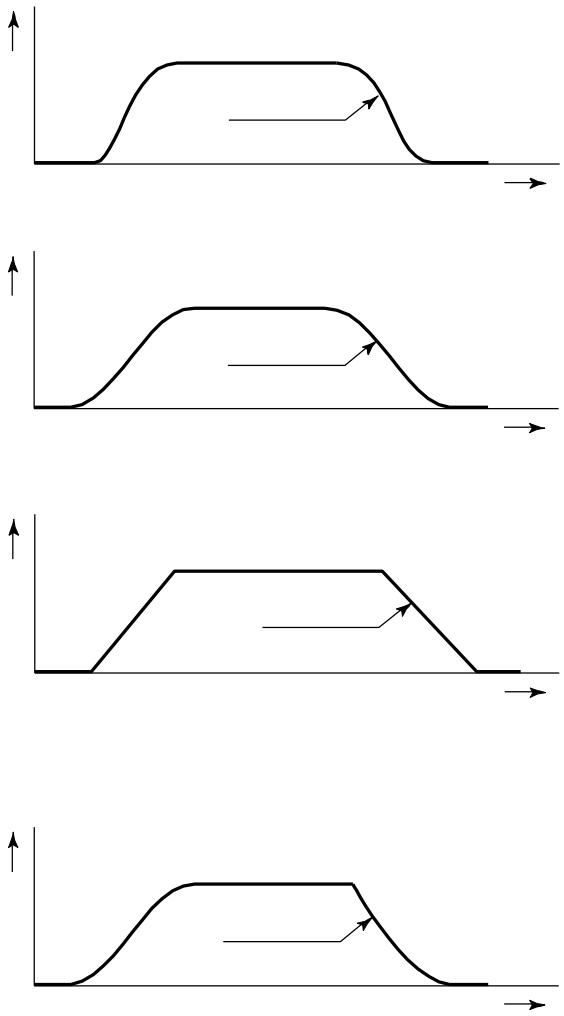

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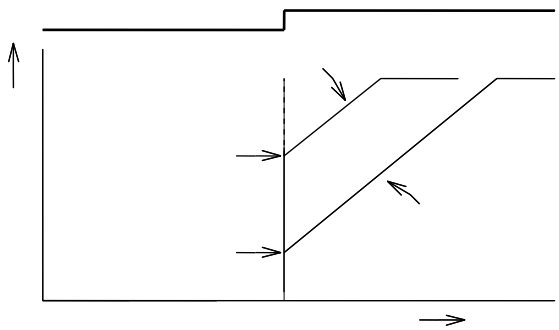

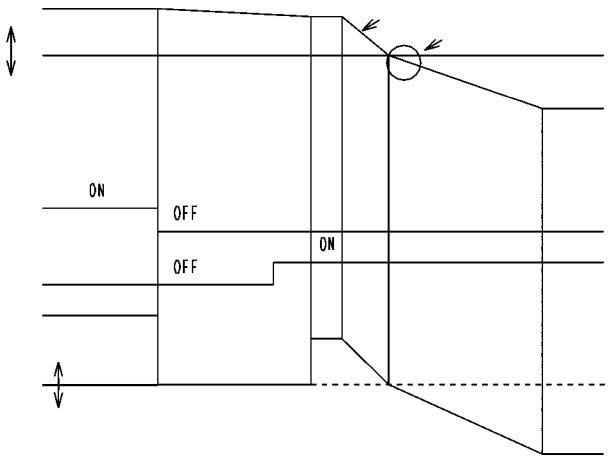
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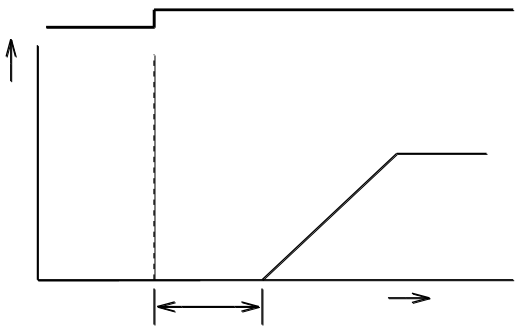

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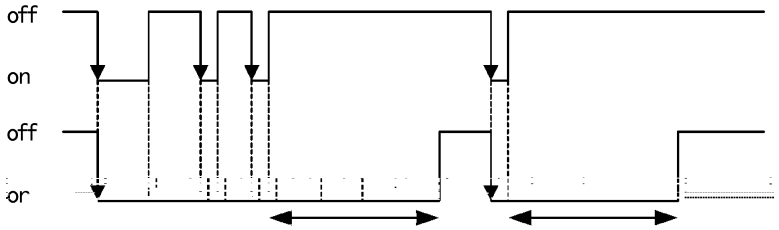
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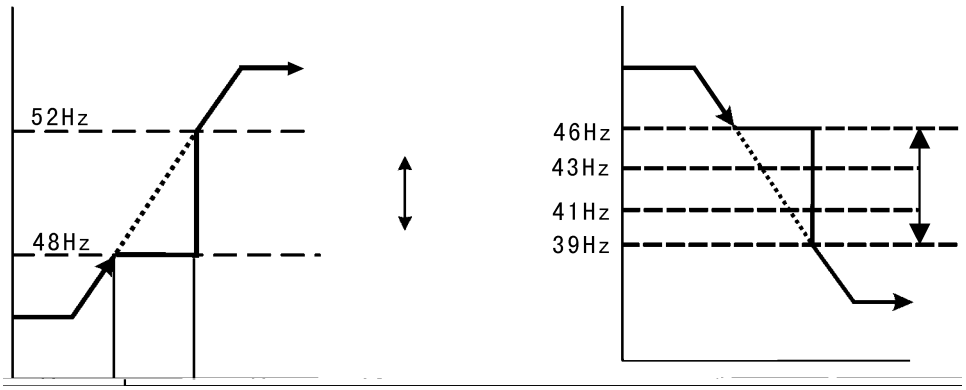


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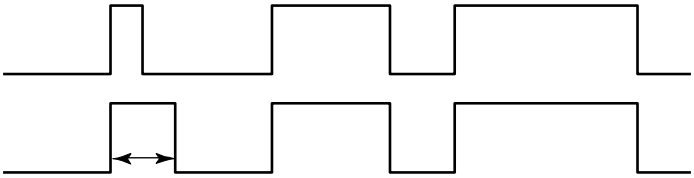

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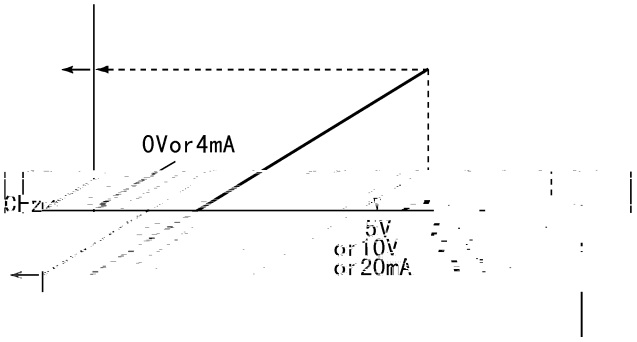
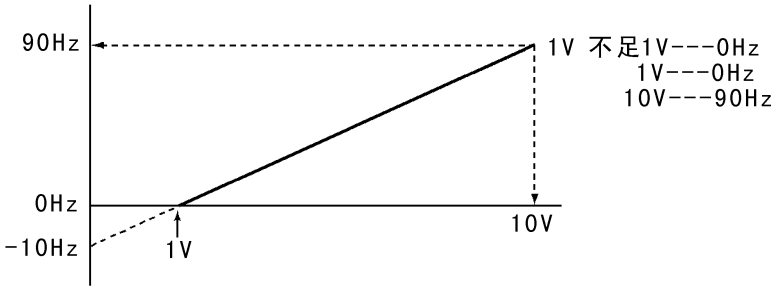

0Vor4mA
5V
or10V
or20mA


90Hz
0Hz
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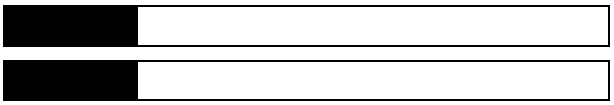
1V
10V
1V 不足1V---0Hz
1V---0Hz
10V---90Hz



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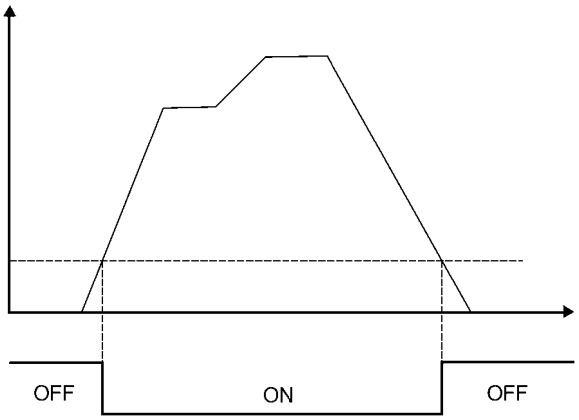
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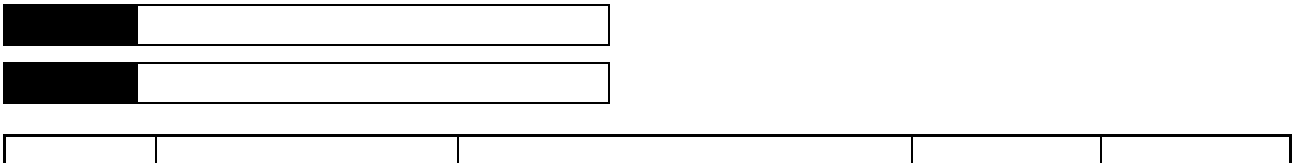

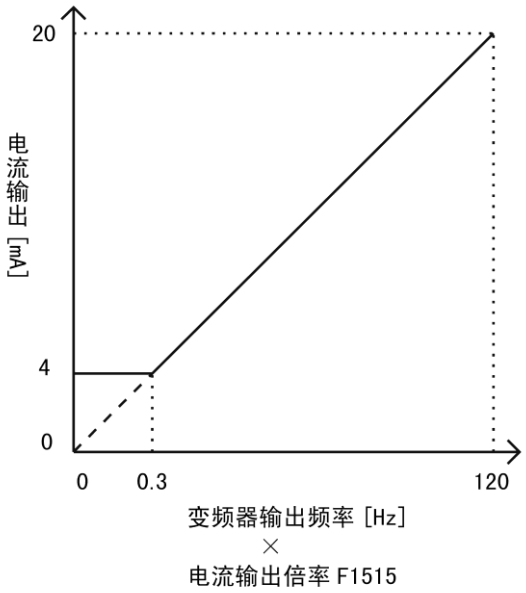
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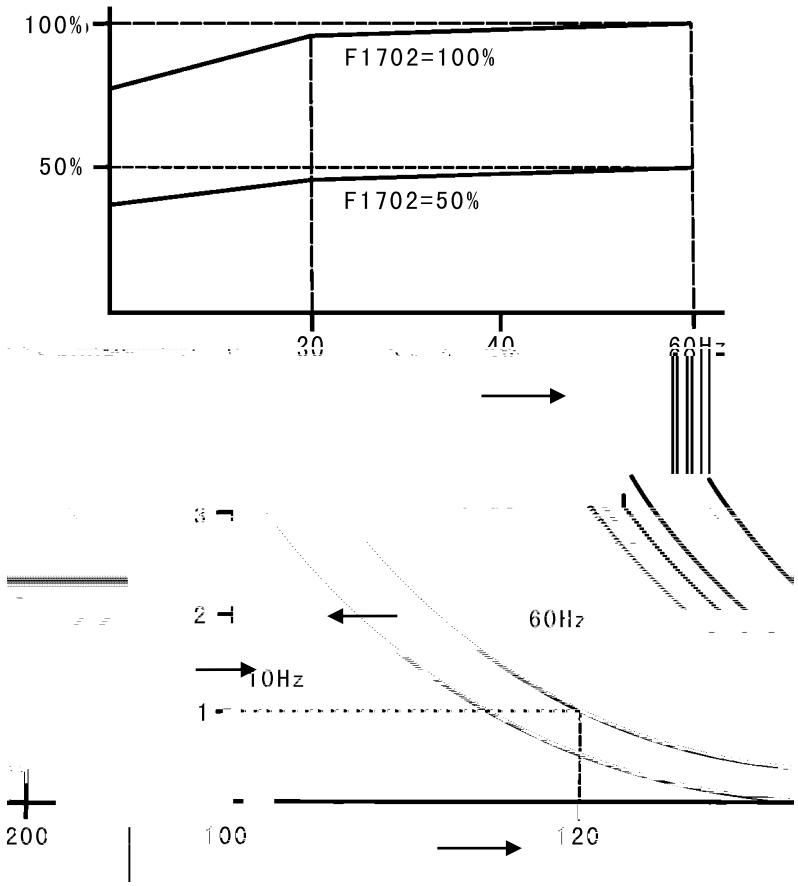
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F1702=50%
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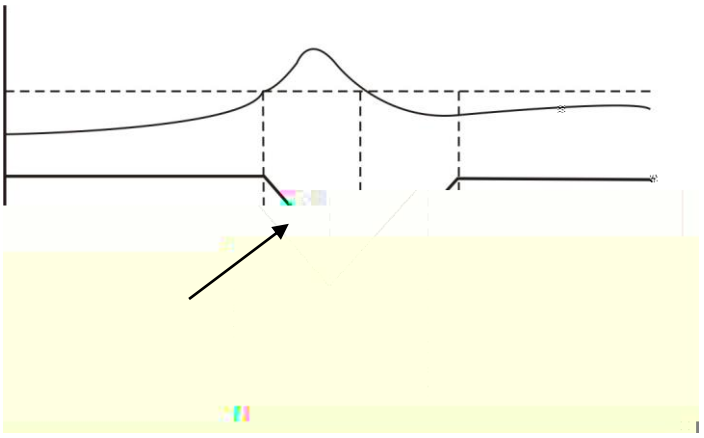

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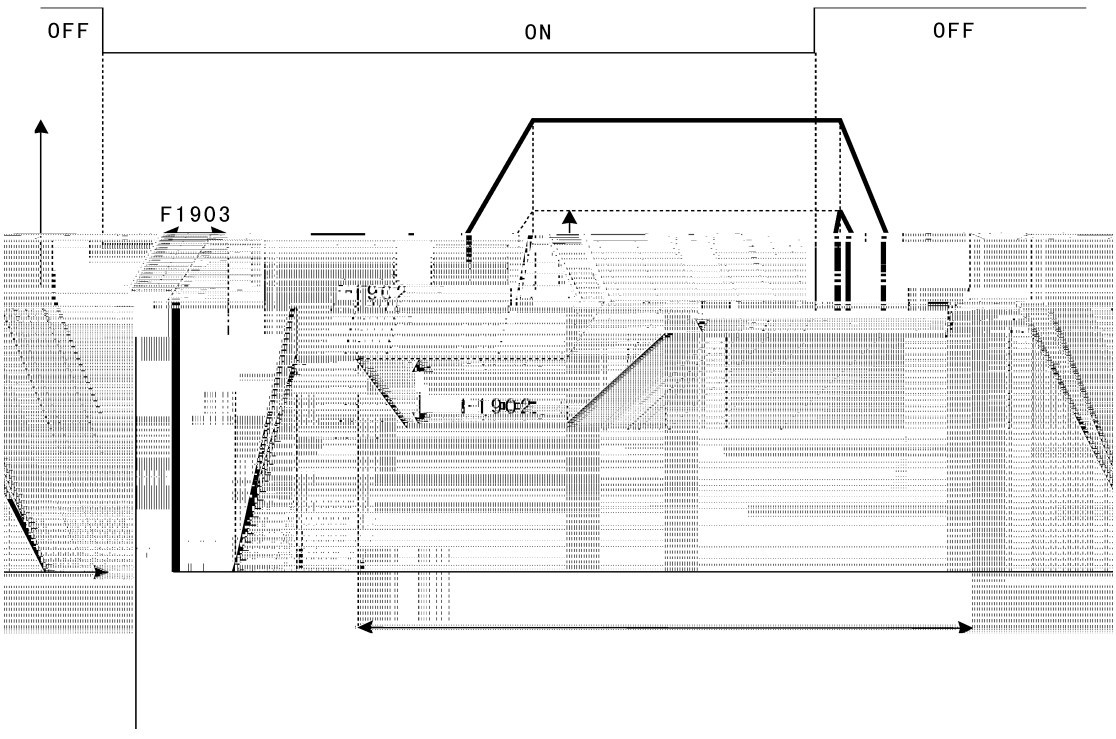
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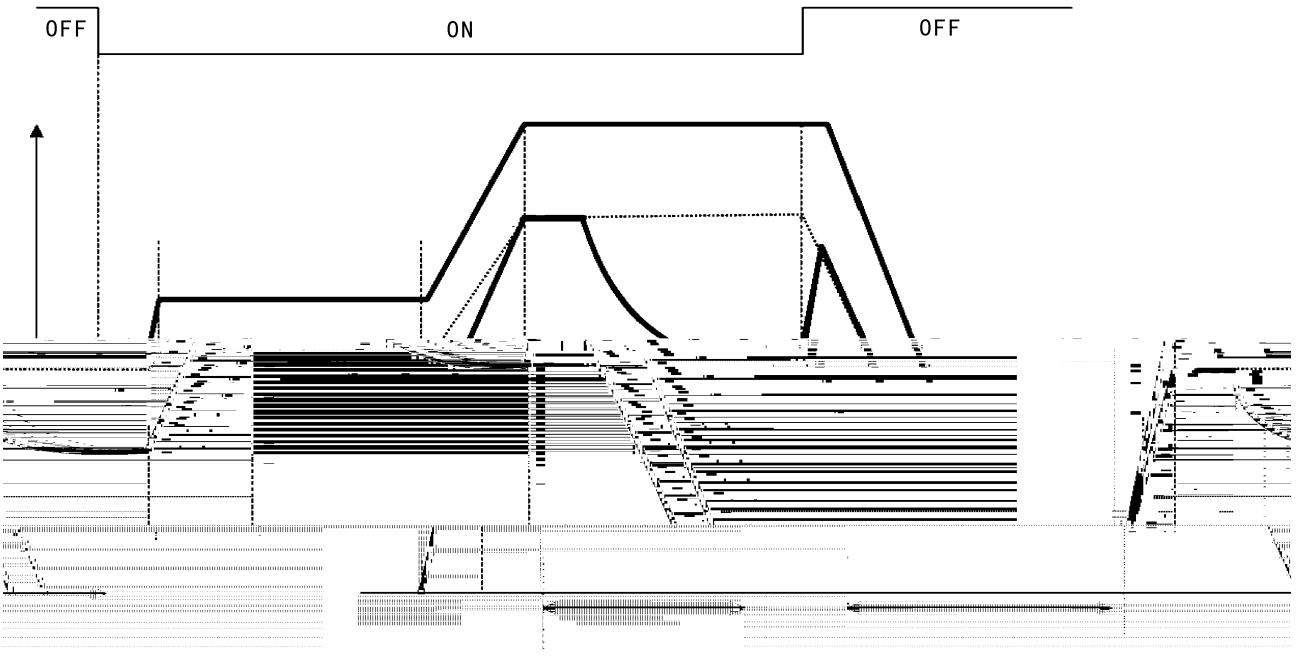
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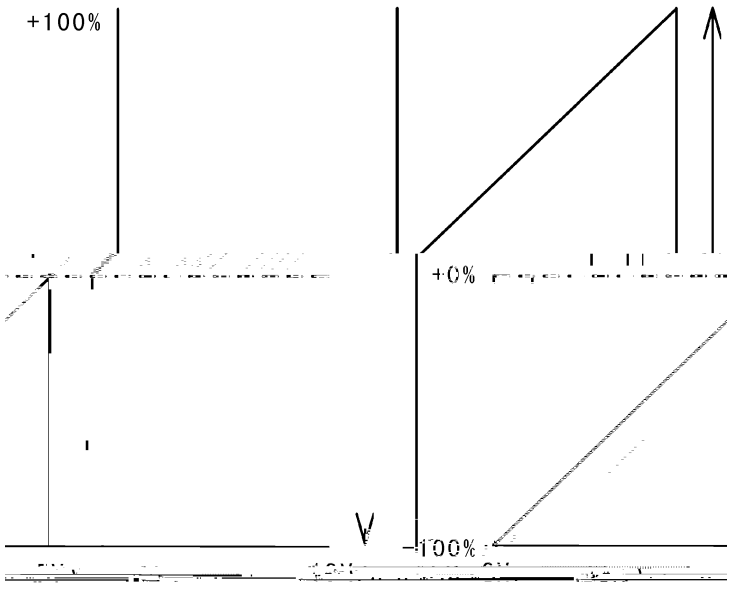
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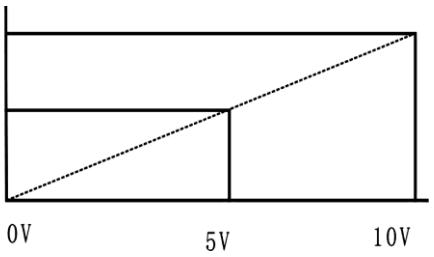
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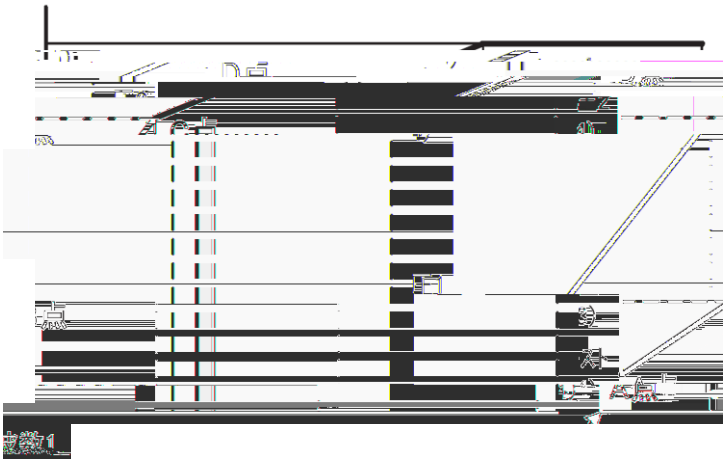

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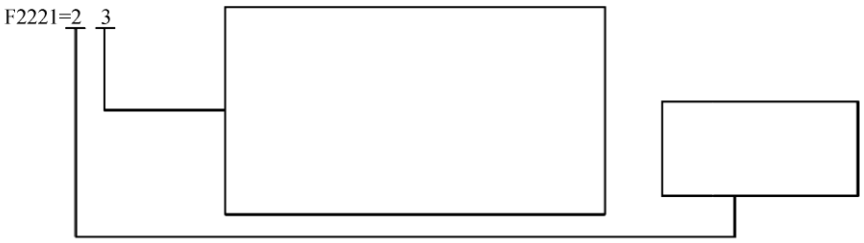
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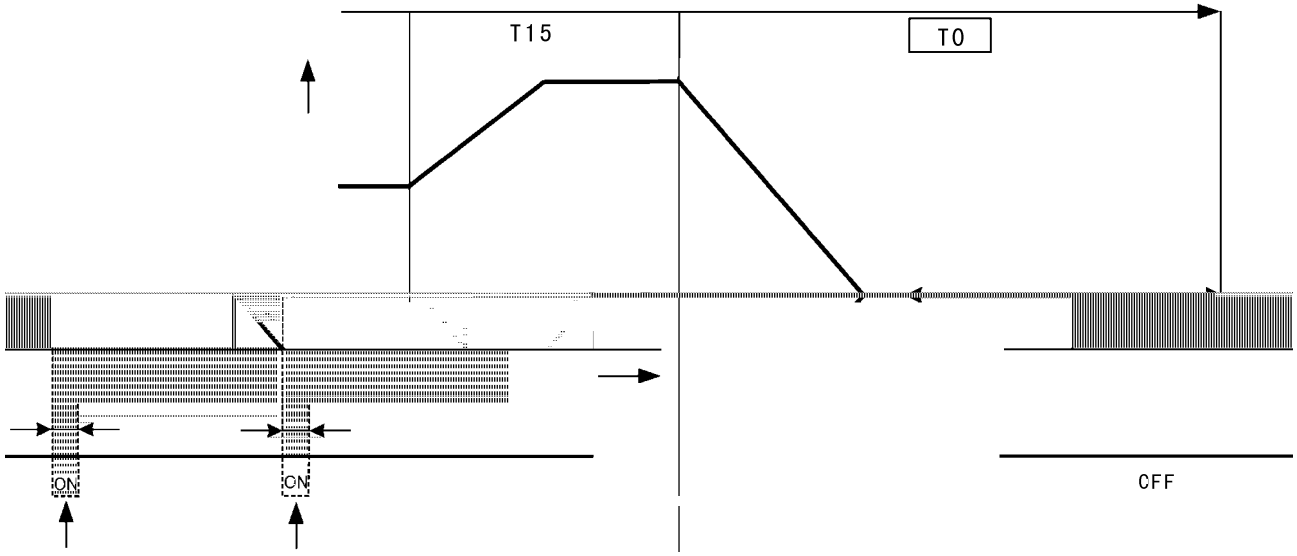
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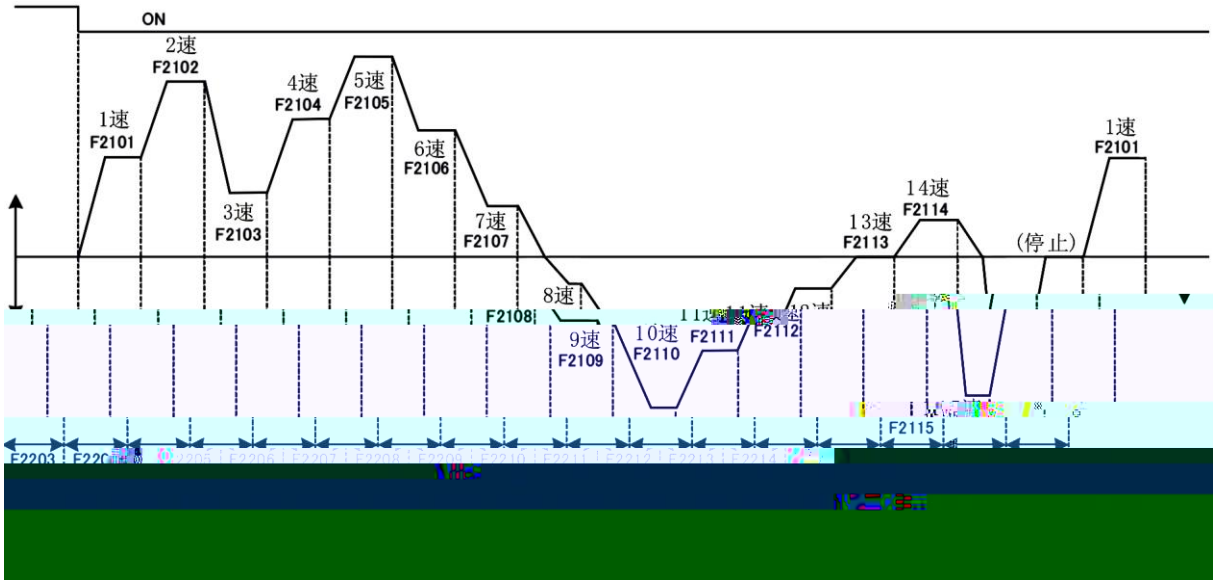
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4速
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F2108
9速
F2109
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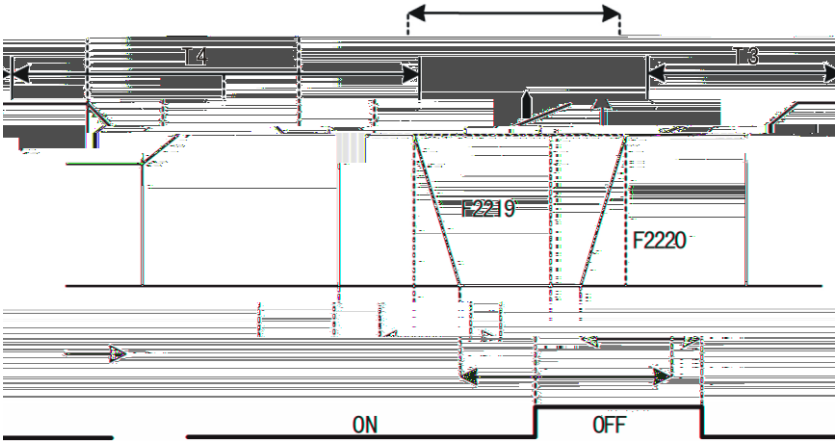
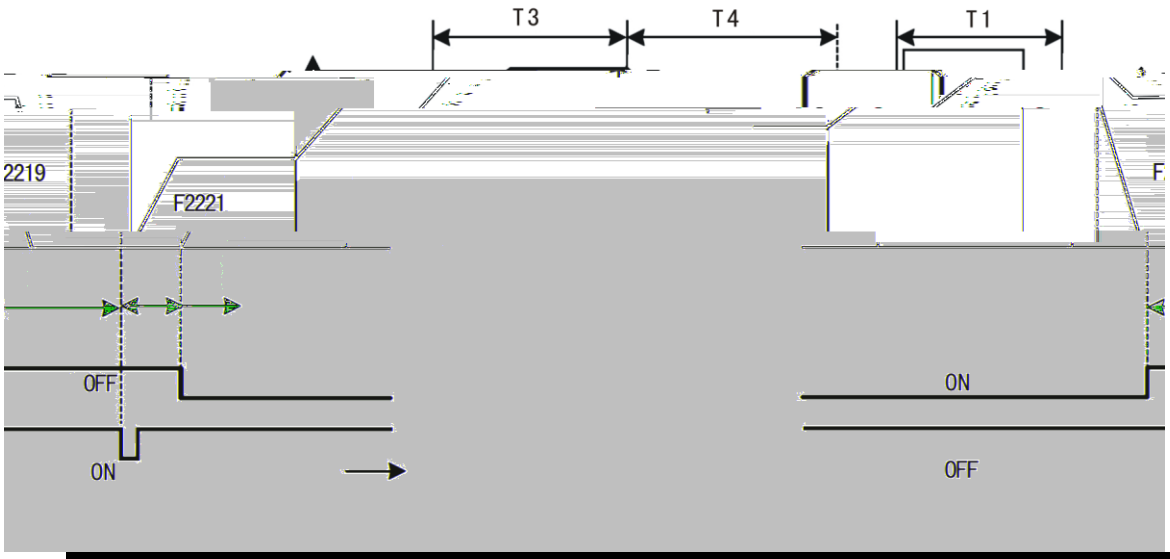

F2219
F2220
ON
OFF


T3
T4
T1
2219
F2221
F
OFF
ON
ON
OFF

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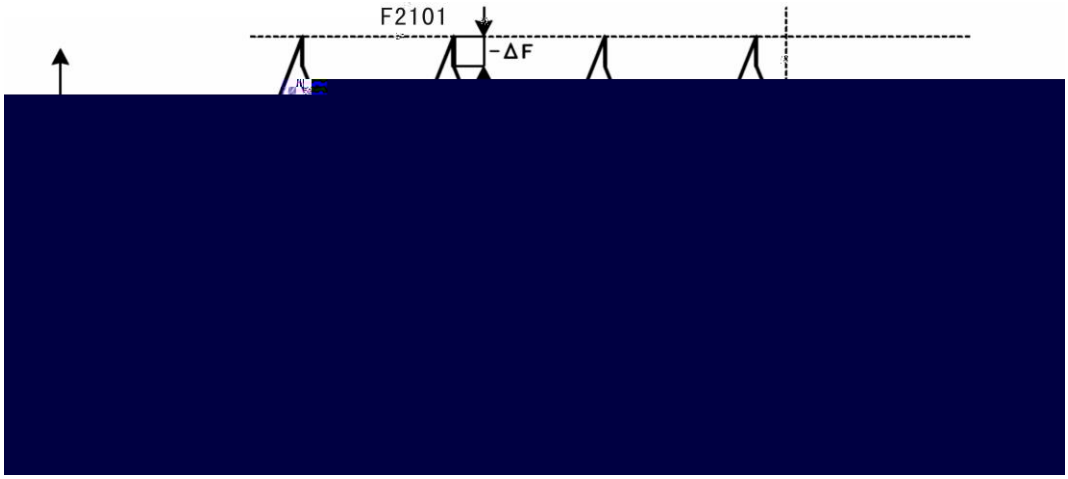
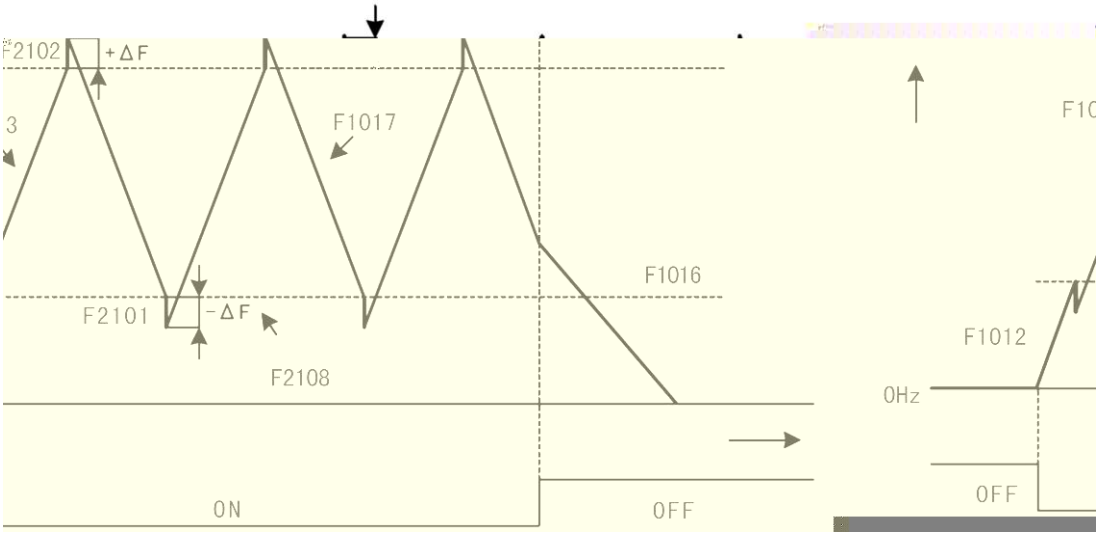
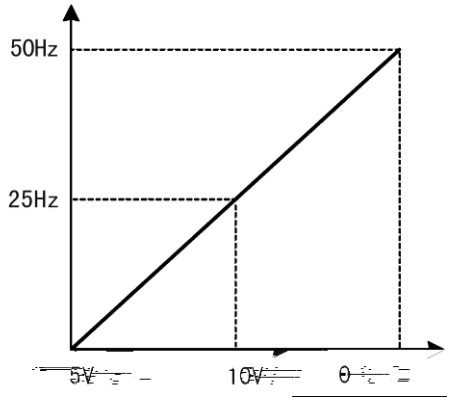
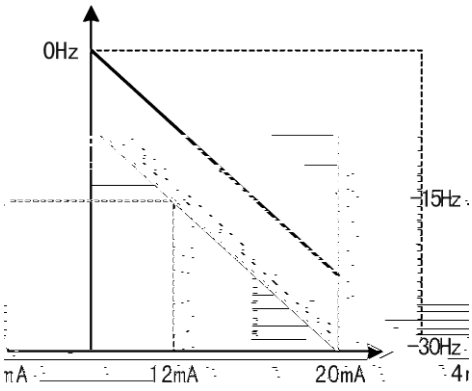
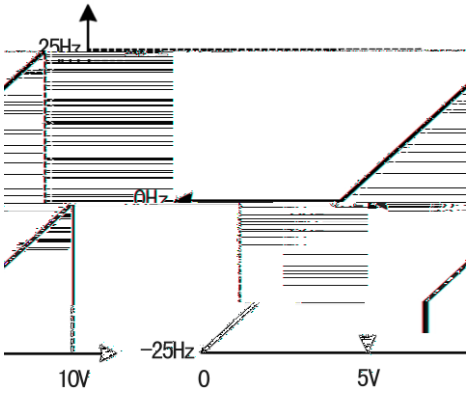
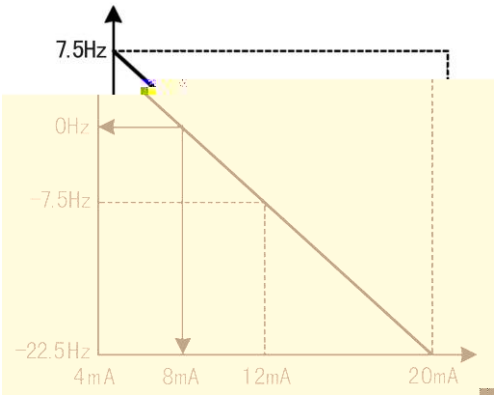

F2101
-ΔF

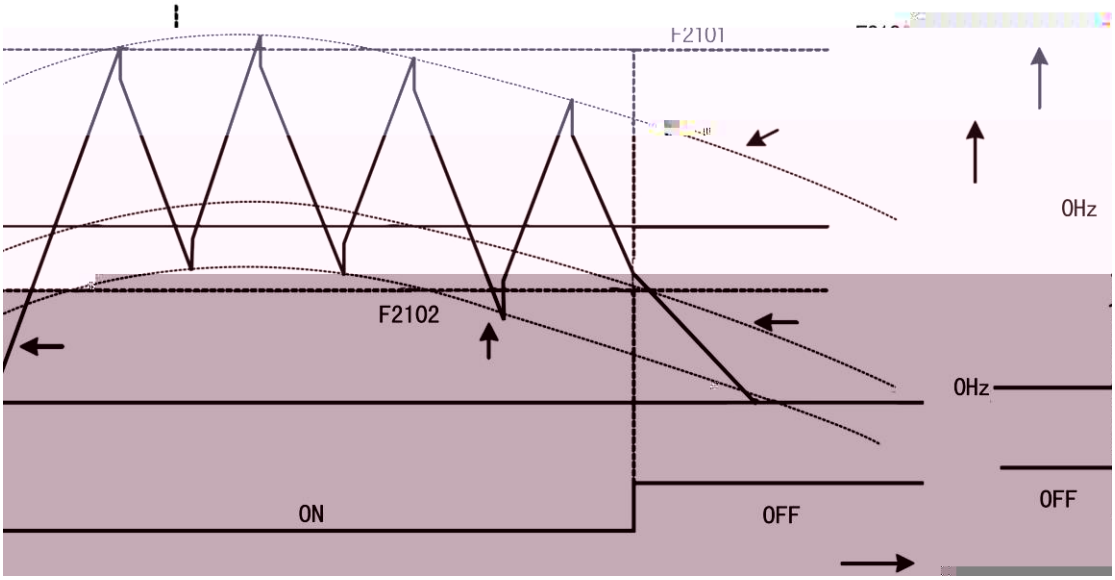

F2102
+ΔF
3
F1017
F1016
F2101
-ΔF
F2108
ON
OFF
F1012
0Hz
OFF

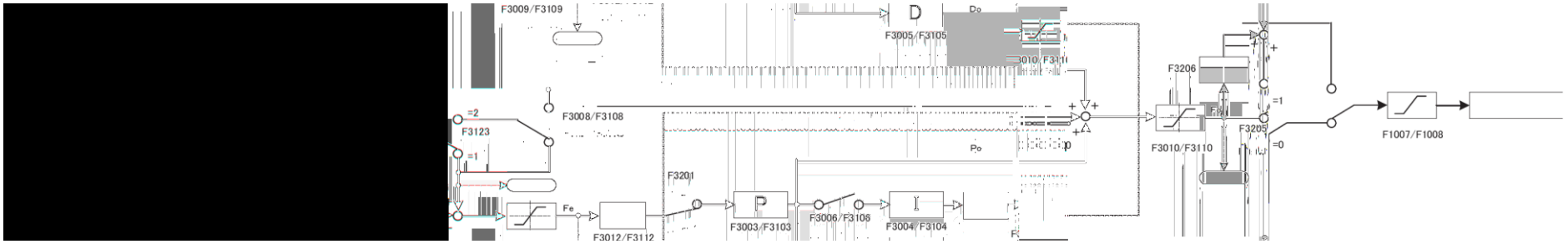

50Hz
25Hz
5V
10V
0


0Hz
-15Hz
-30Hz
mA
12mA
20mA


25Hz
0Hz
-25Hz
10V
0
5V


7.5Hz
0Hz
-7.5Hz
-22.5Hz
4mA
8mA
12mA
20mA


F2101
0Hz
F2102
0Hz
ON
OFF
OFF


F3009/F3109
D
F3005/F3105
F3206
=2
F3123
=1
F3008/F3108
F3201
Fe
F3012/F3112
P
F3003/F3103
F3006/F3106
I
F3004/F3104
F3010/F3110
F3205
=1
=0
F1007/F1008

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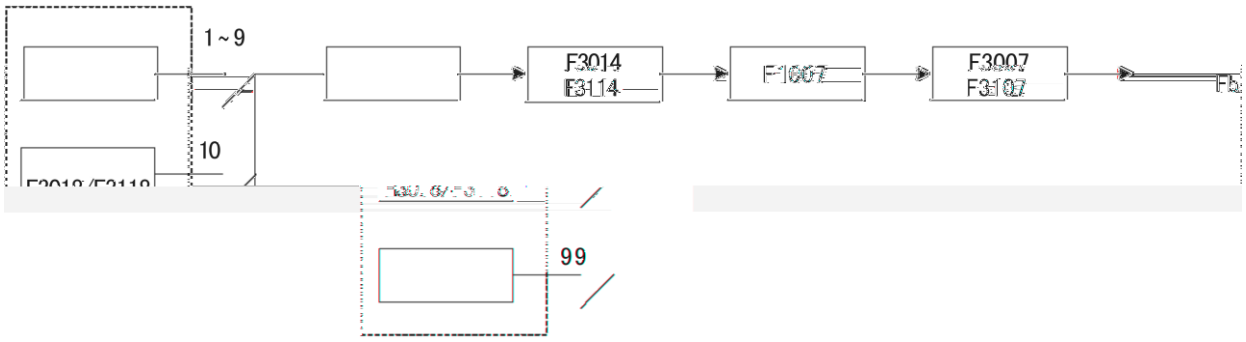
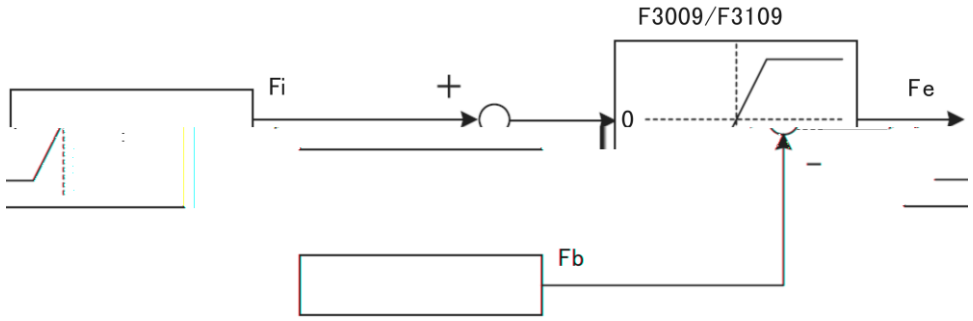

1~9
F3014
F3114
F1007
F3007
F3107
10
99


F3009/F3109
Fi
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Fe
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Fb

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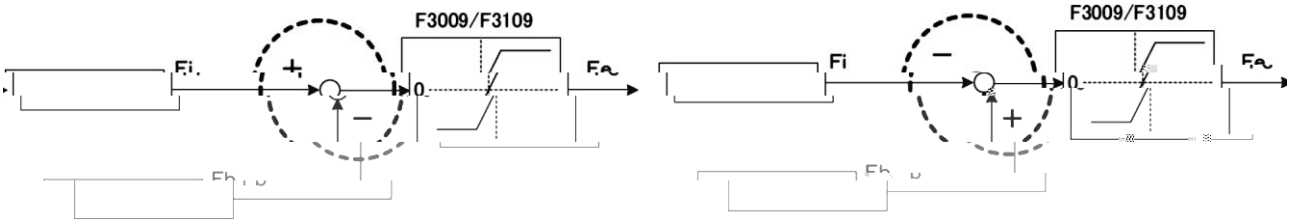
F3009/F3109
Fi
+
0
−
Fe
F3009/F3109
Fi
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0
+
Fe

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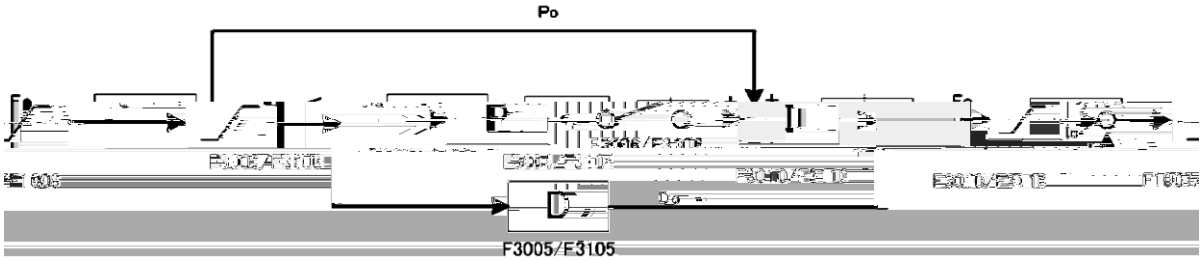


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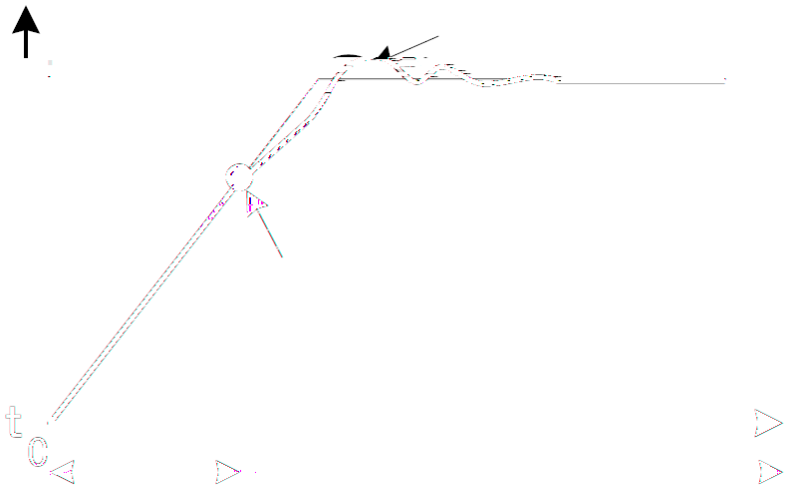
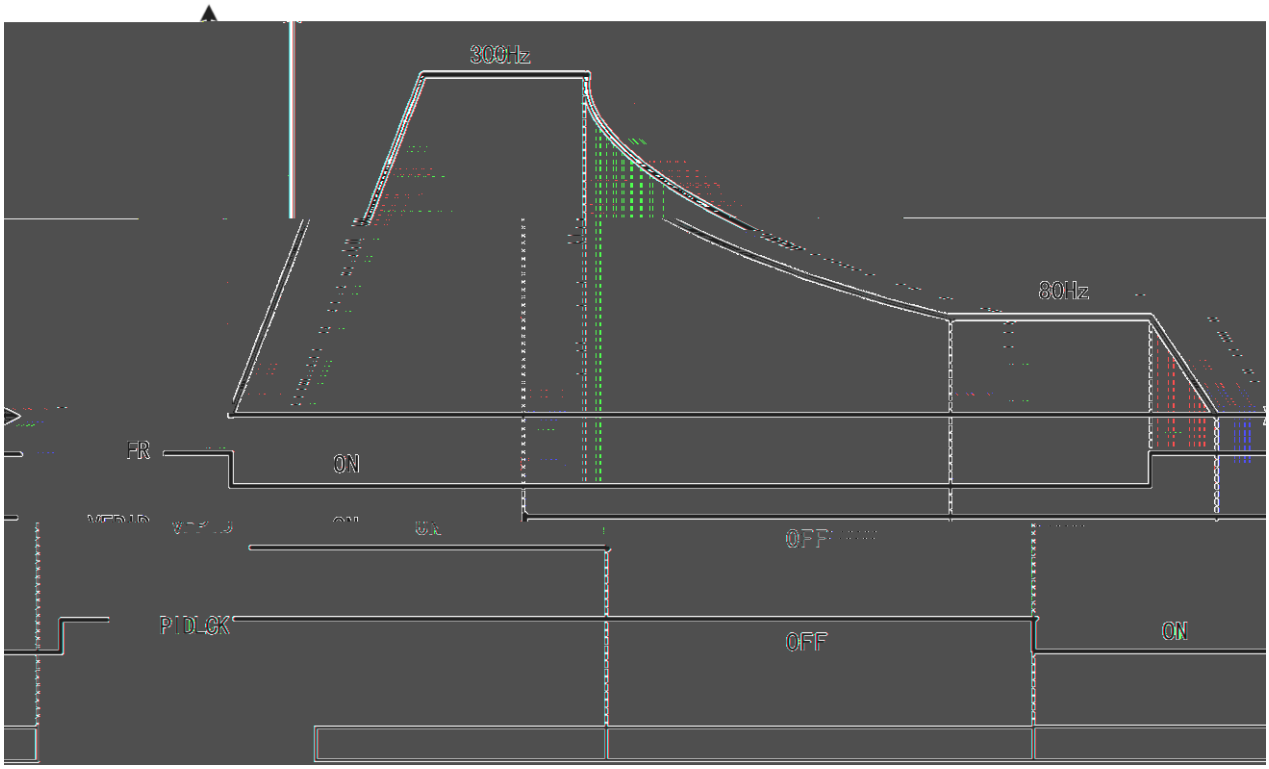
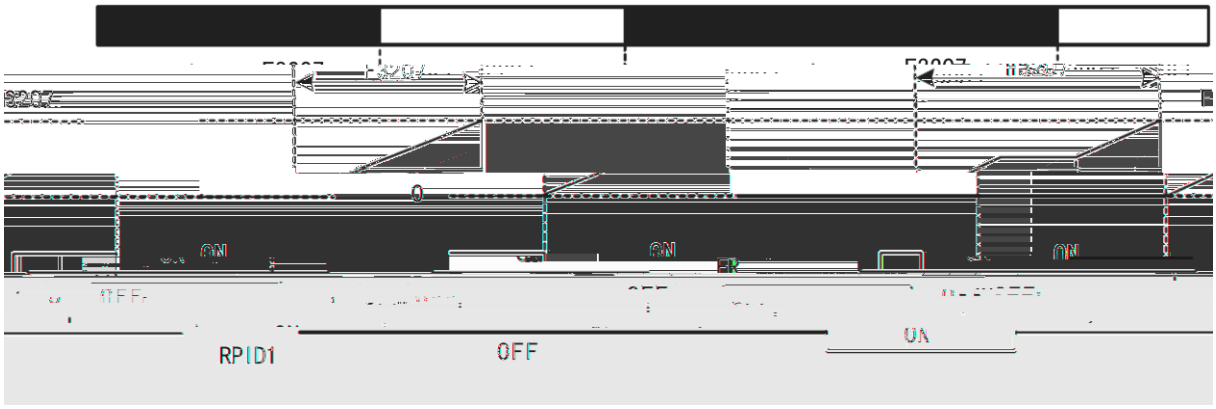

t
c


300Hz
80Hz
FR
ON
PIDLCK
OFF
ON


ON
ON
ON
RPID1
OFF
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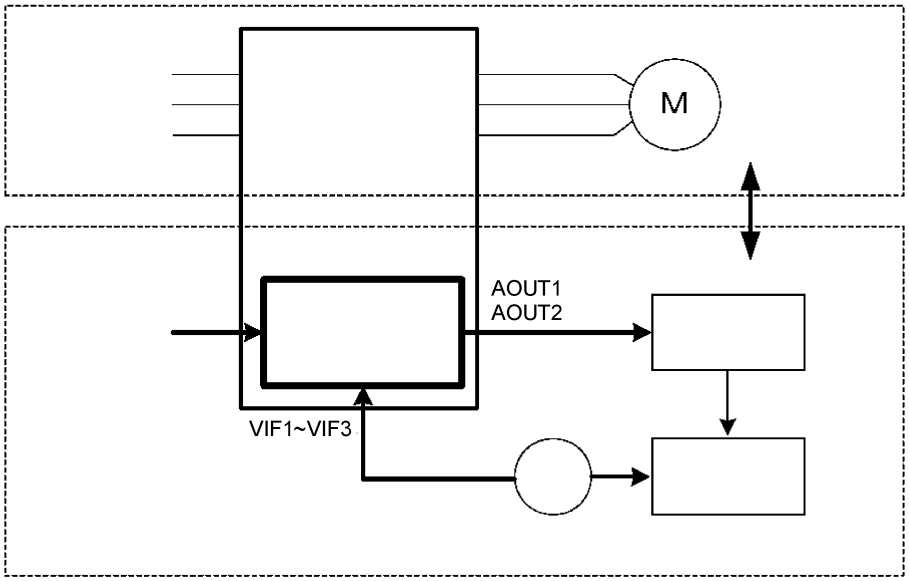
M
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AOUT2
VIF1~VIF3

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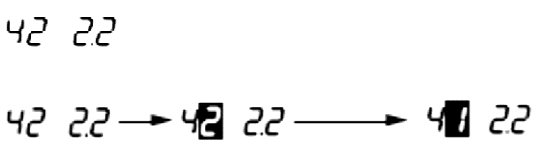

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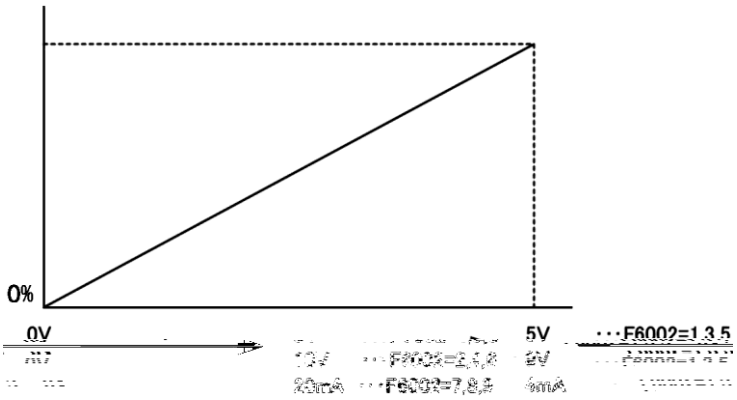
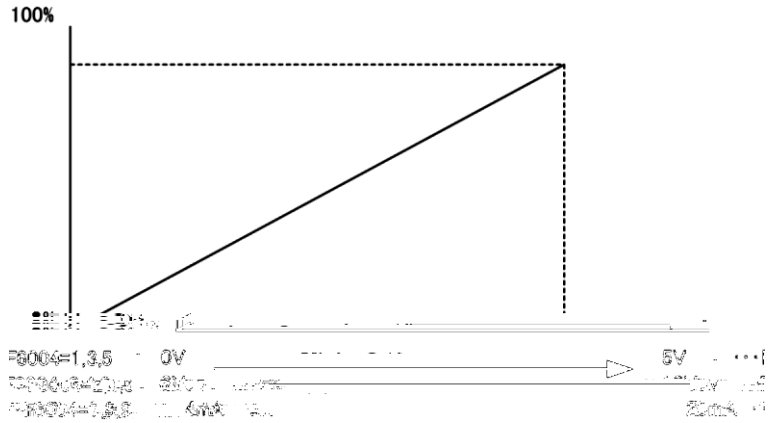

0%
0V
5V
···F6002=1,3,5


100%
F6004=1,3,5
0V
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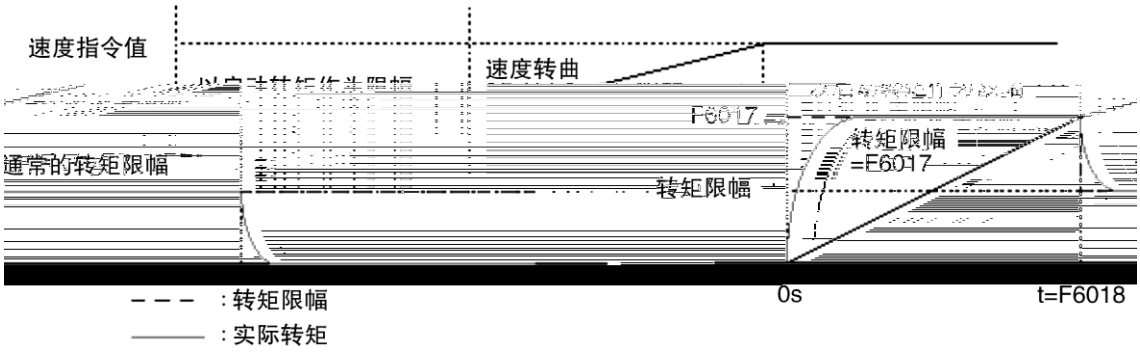
速度指令值
速度转曲
通常的转矩限幅
转矩限幅
=F6017
转矩限幅
0s
t=F6018
– – – ：转矩限幅
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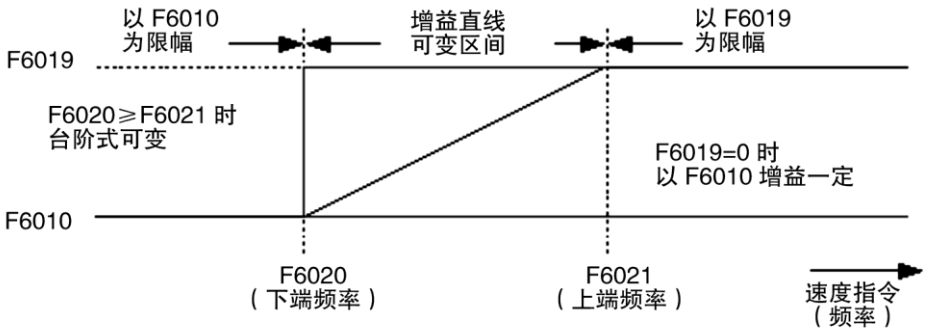
以 F6010
为限幅
增益直线
可变区间
以 F6019
为限幅
F6019
F6020≧F6021 时
台阶式可变
F6019=0 时
以 F6010 增益一定
F6010
F6020
（下端频率）
F6021
（上端频率）
速度指令
（频率）

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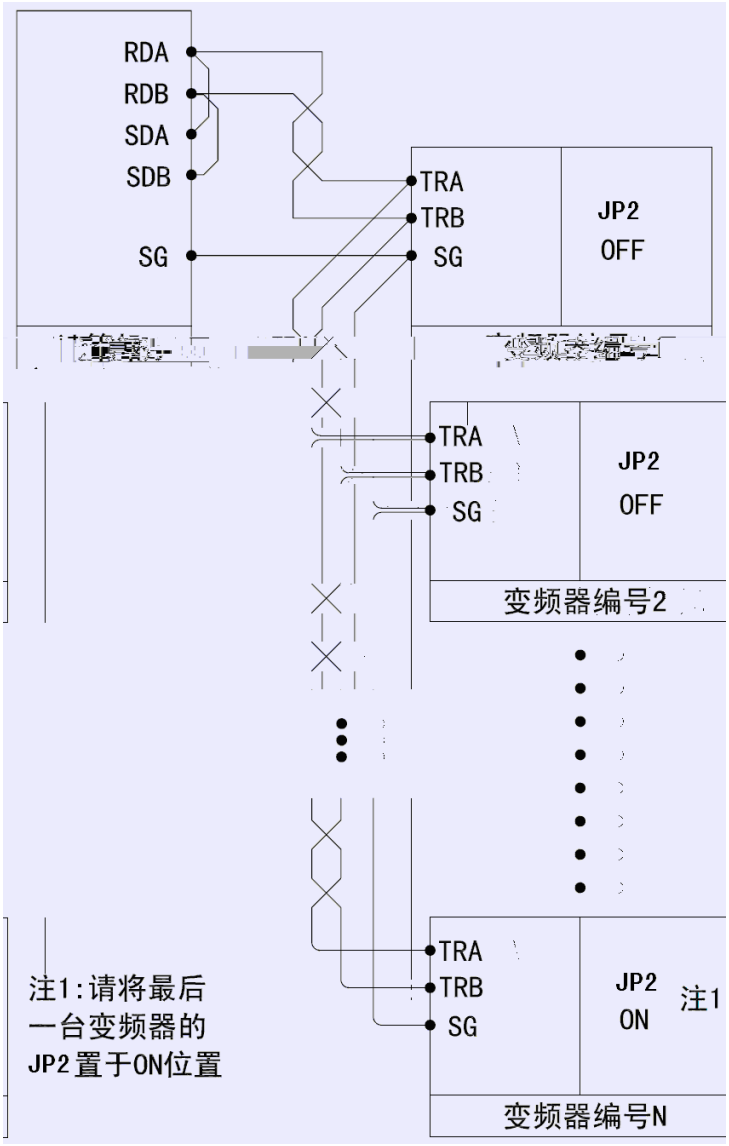
RDA
RDB
SDA
SDB
SG
TRA
TRB
SG
JP2
OFF
TRA
TRB
SG
JP2
OFF
变频器编号2
TRA
TRB
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JP2
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注1
变频器编号N
注1:请将最后
一台变频器的
JP2置于ON位置

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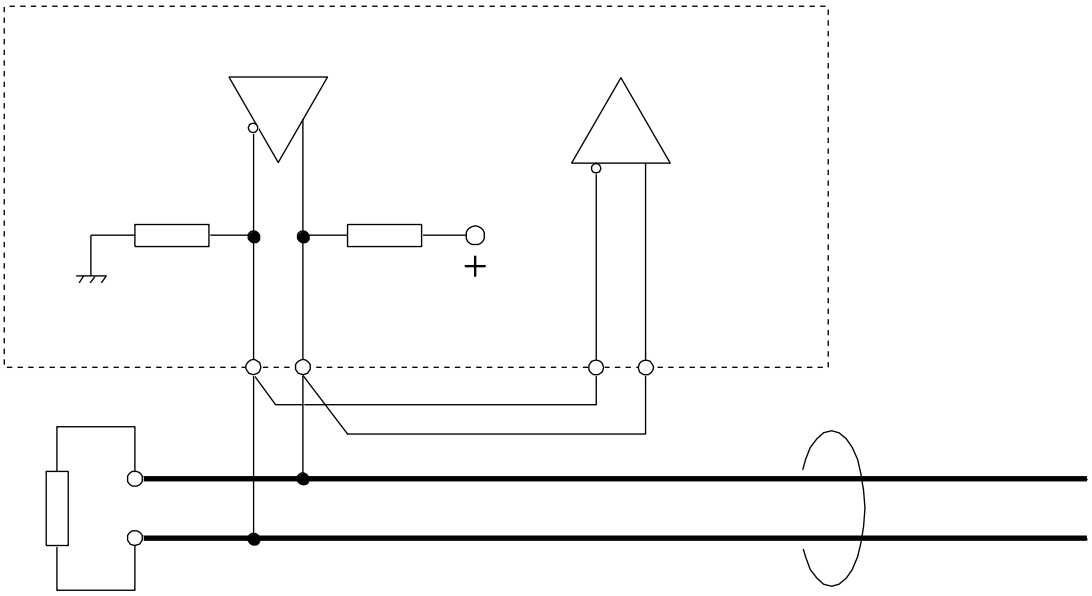

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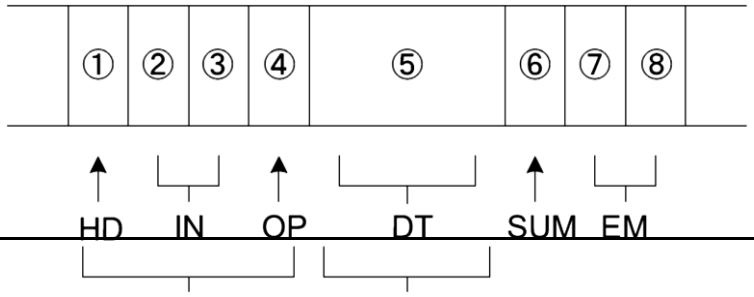
①
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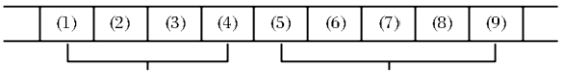
| | | |  |
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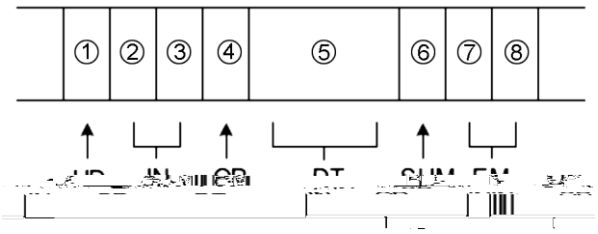
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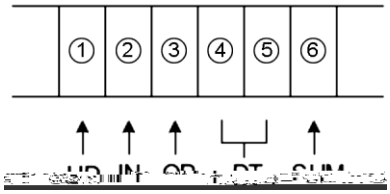
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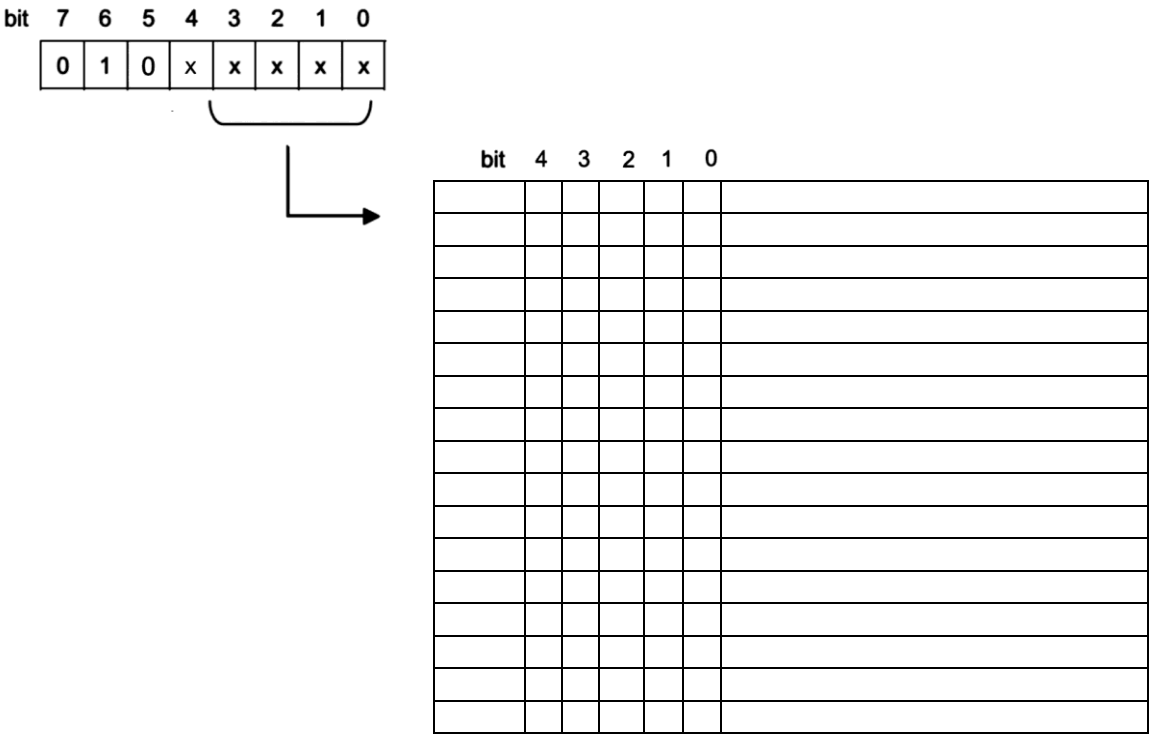
bit 7 6 5 4 3 2 1 0
0 1 0 x x x x x
bit 4 3 2 1 0

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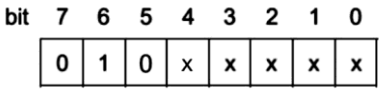
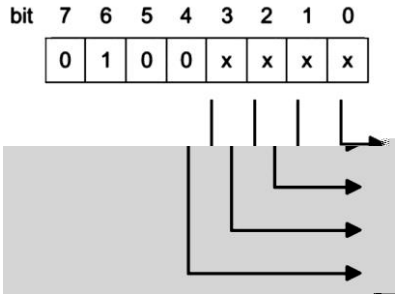
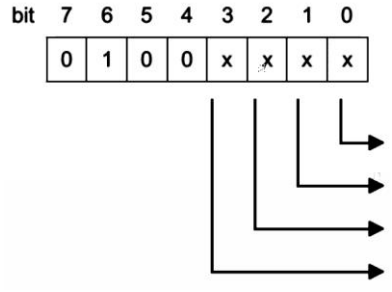
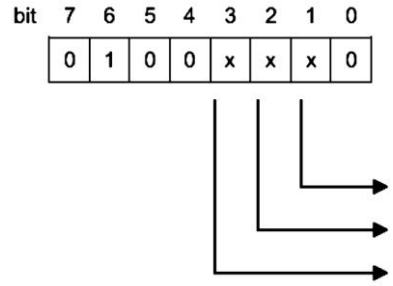
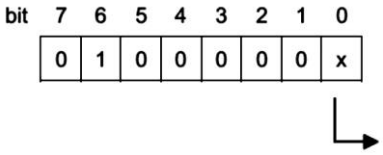
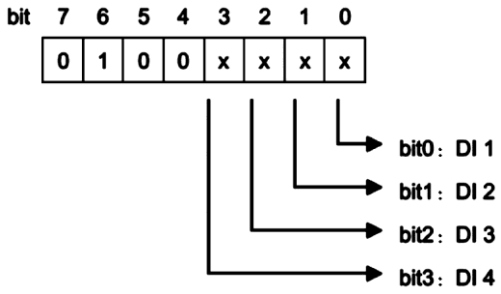

bit 7 6 5 4 3 2 1 0
0 1 0 x x x x x

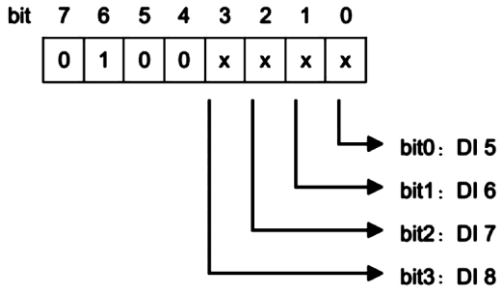

bit 7 6 5 4 3 2 1 0
0 1 0 0 x x x x


bit 7 6 5 4 3 2 1 0
0 1 0 0 x x x x


bit 7 6 5 4 3 2 1 0
0 1 0 0 x x x 0


bit 7 6 5 4 3 2 1 0
0 1 0 0 0 0 0 x


bit 7 6 5 4 3 2 1 0
0 1 0 0 x x x x
bit0：DI 1
bit1：DI 2
bit2：DI 3
bit3：DI 4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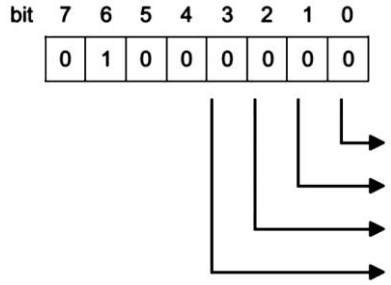
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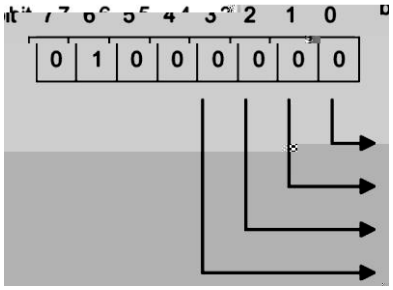
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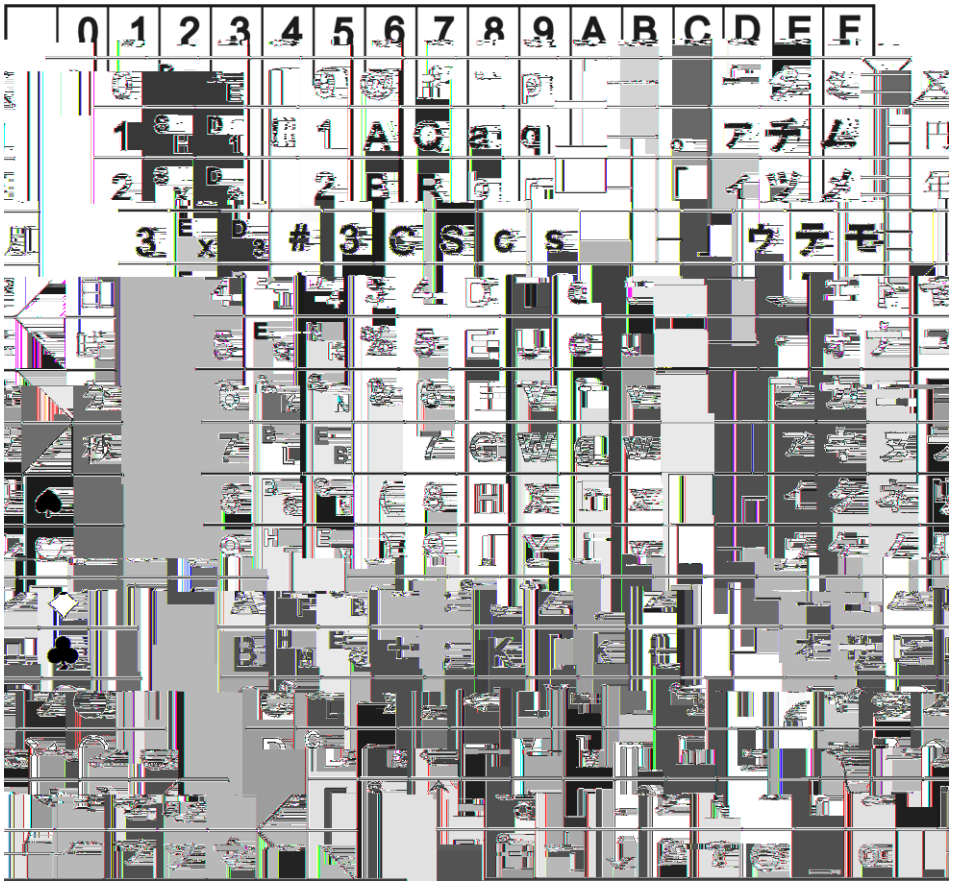
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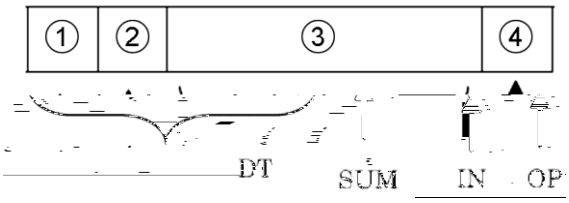
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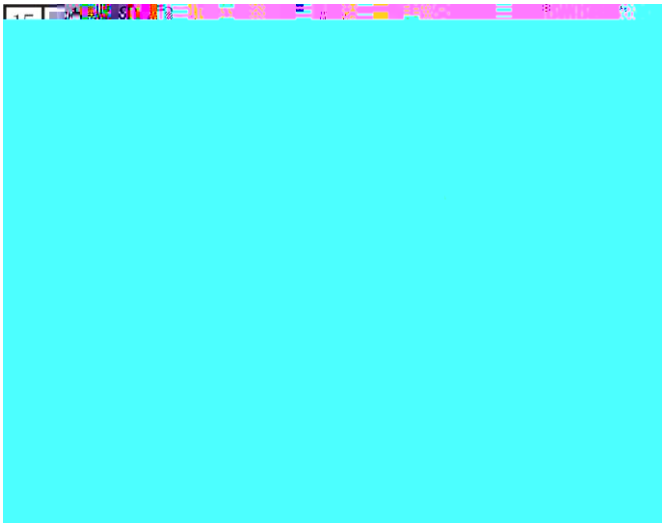

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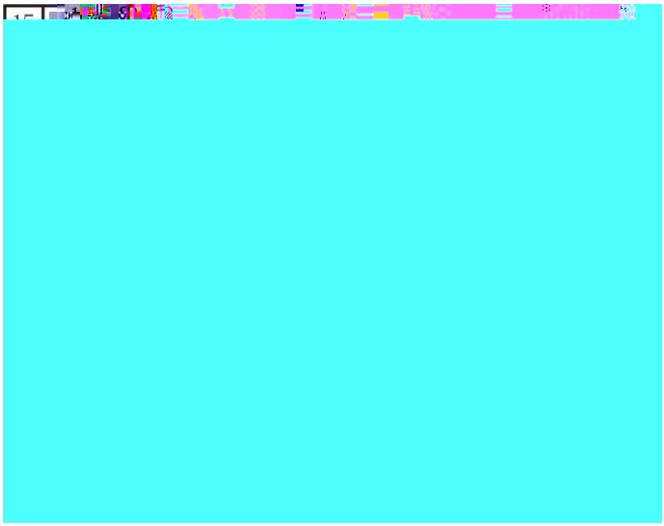

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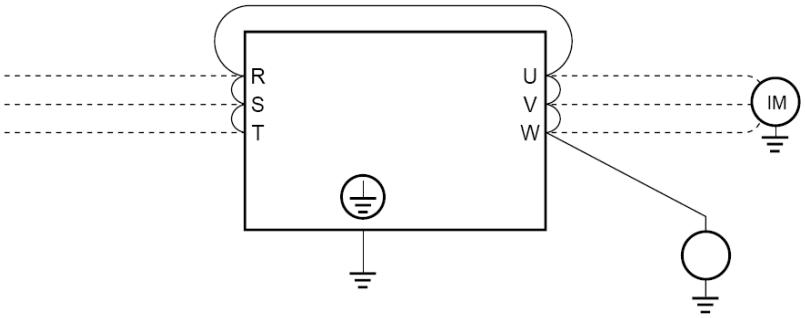
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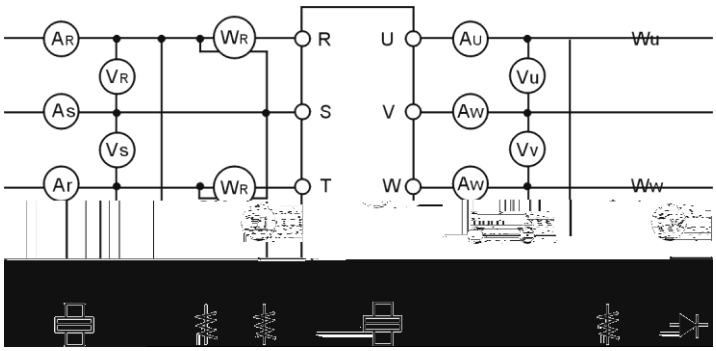


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