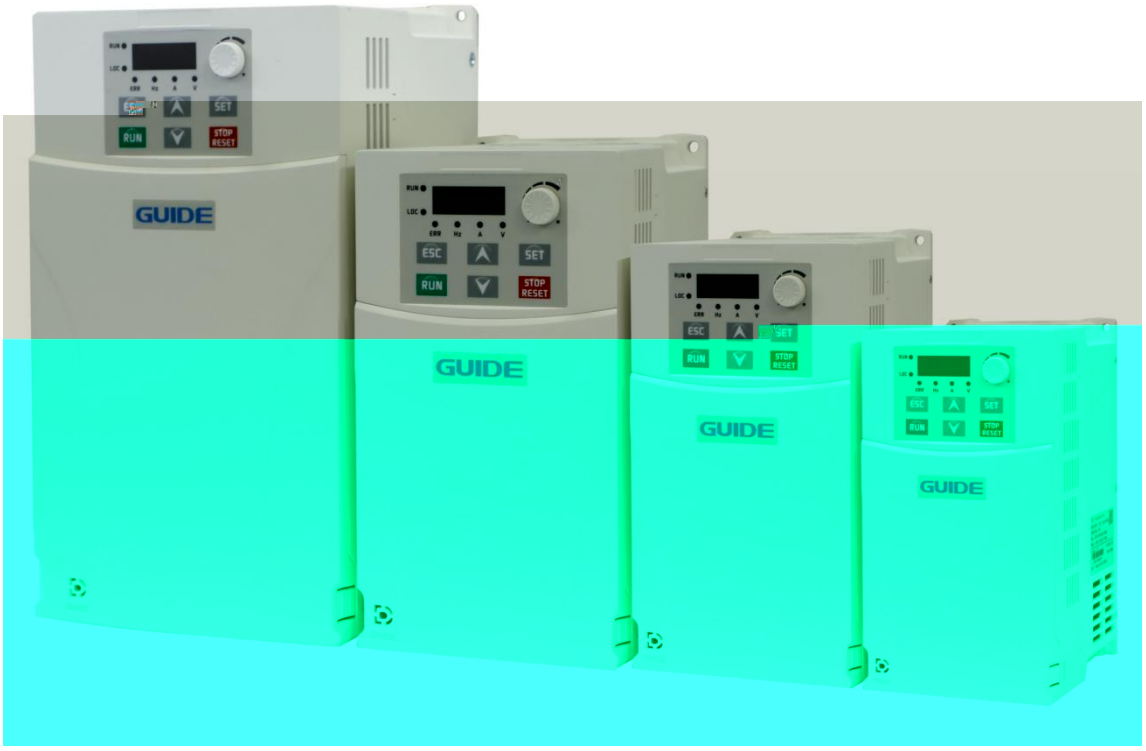
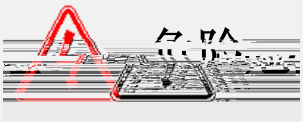
变　器 GF630N01　列

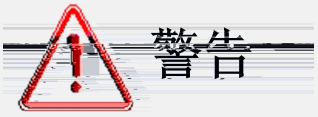
MINI SW01V2 变　器功　扩展　明书

：1.00



危险	
注意	
警告	

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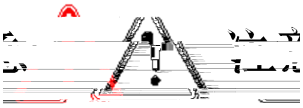

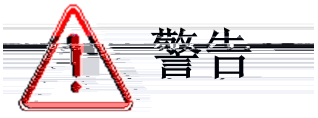
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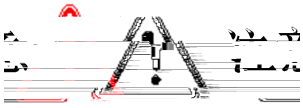

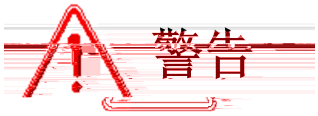
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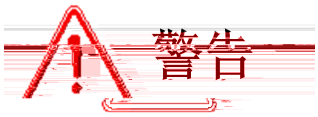
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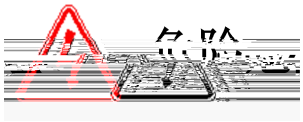

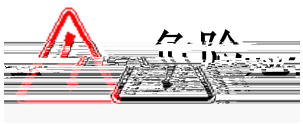

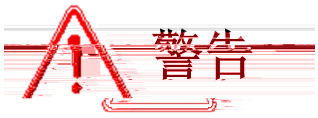
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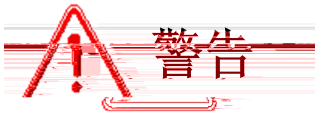
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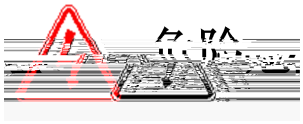

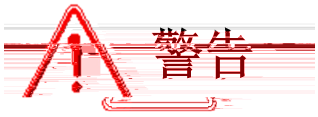
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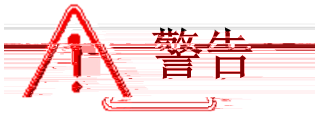
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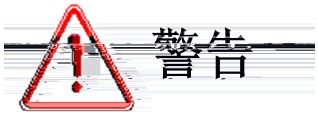

警告

. 1

. 11

. 17

. 37

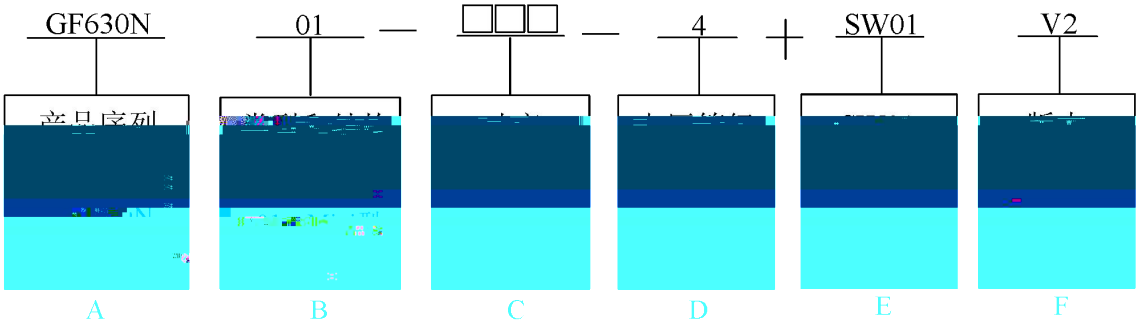
. 43

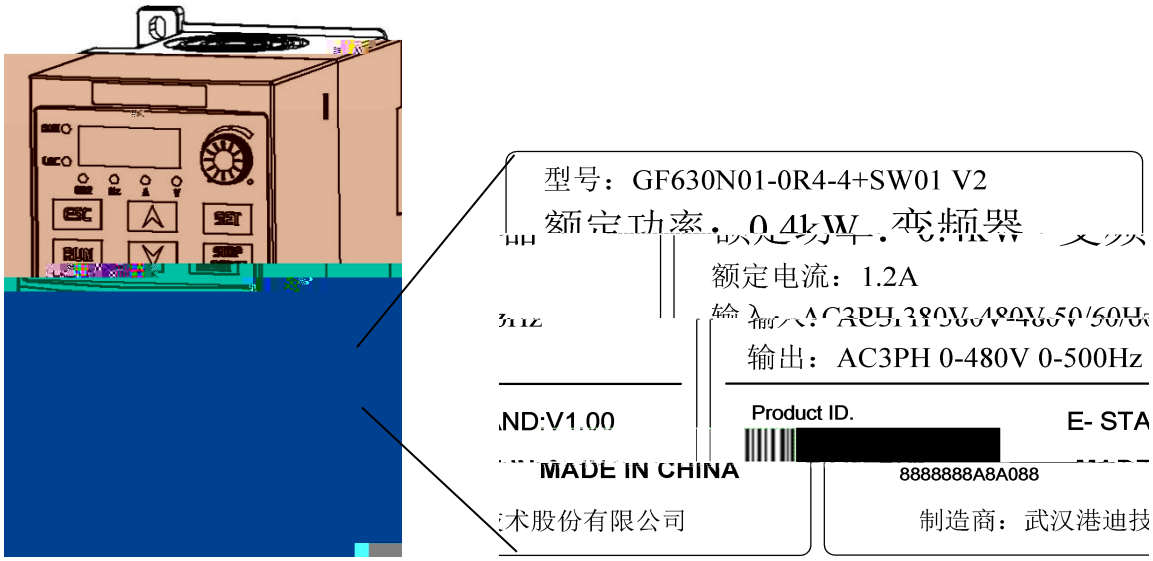
. 49

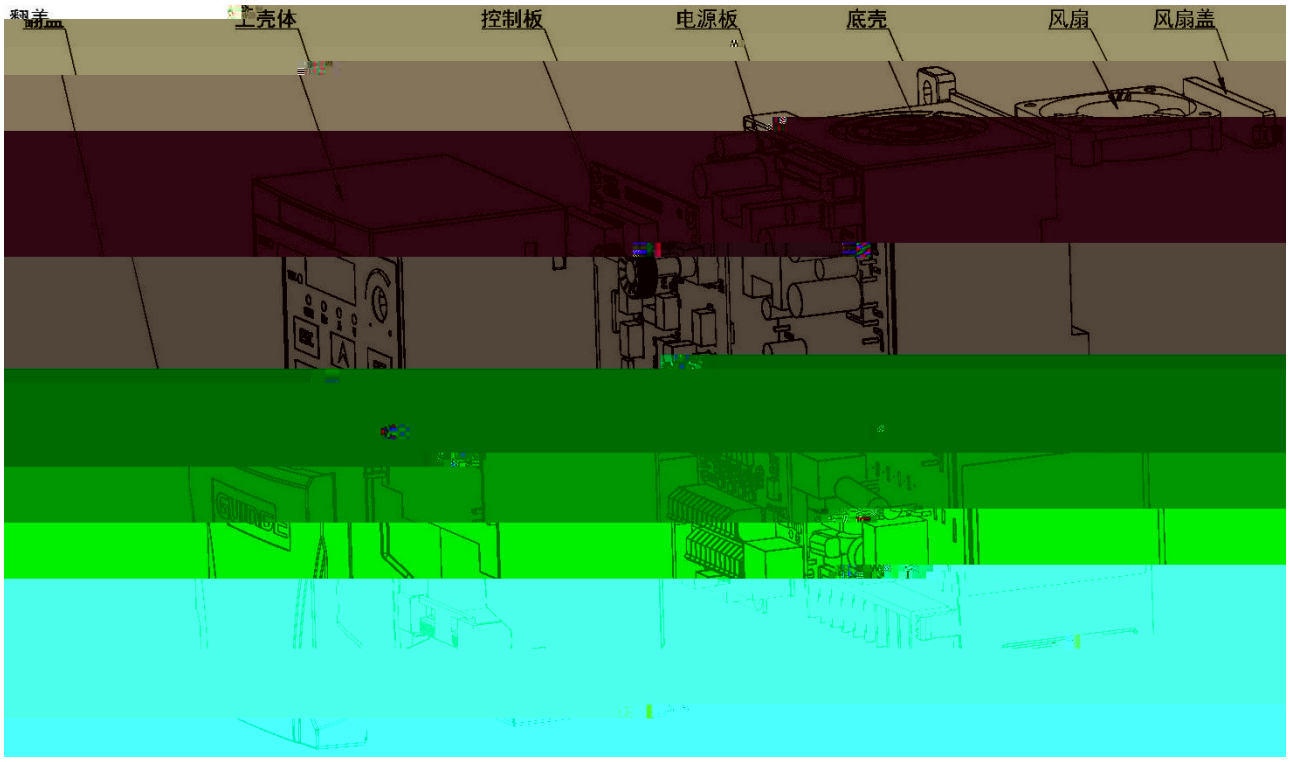
. 95

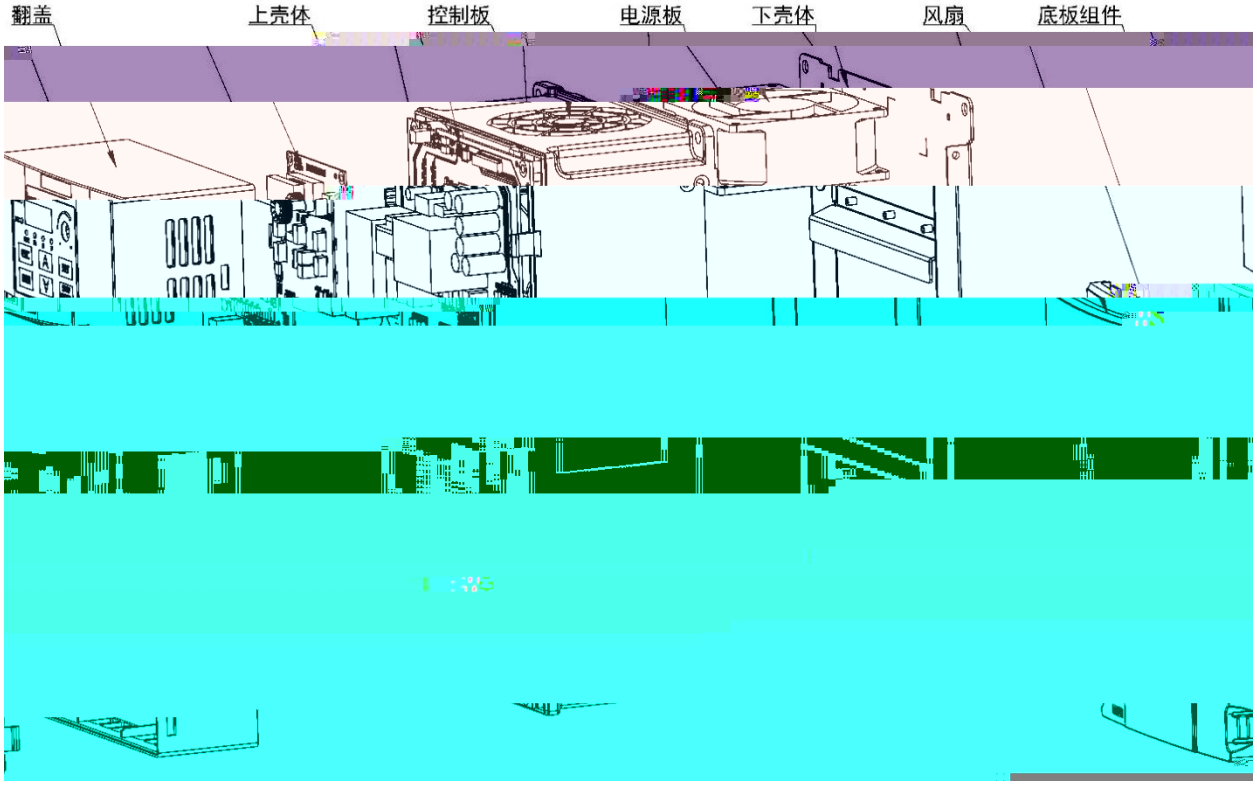
. 169

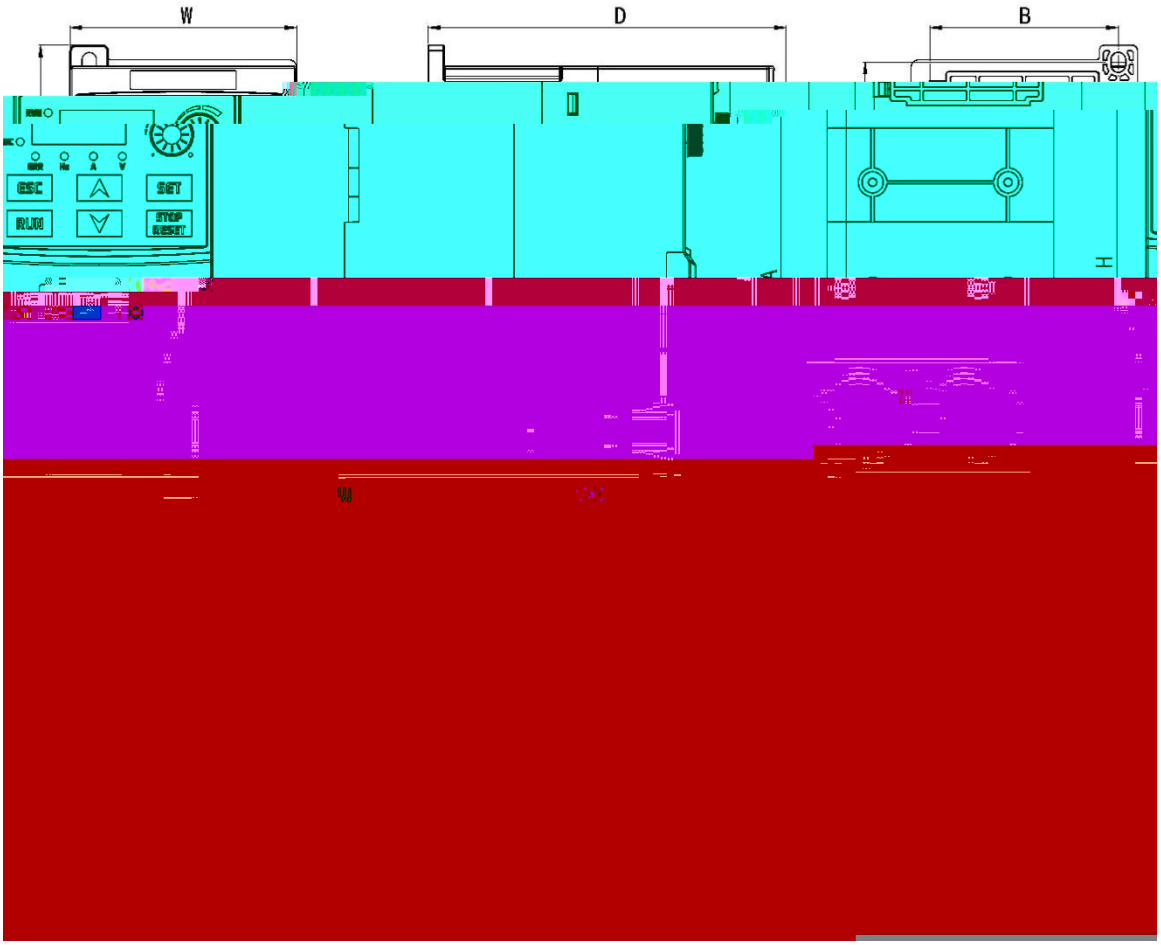
. 176

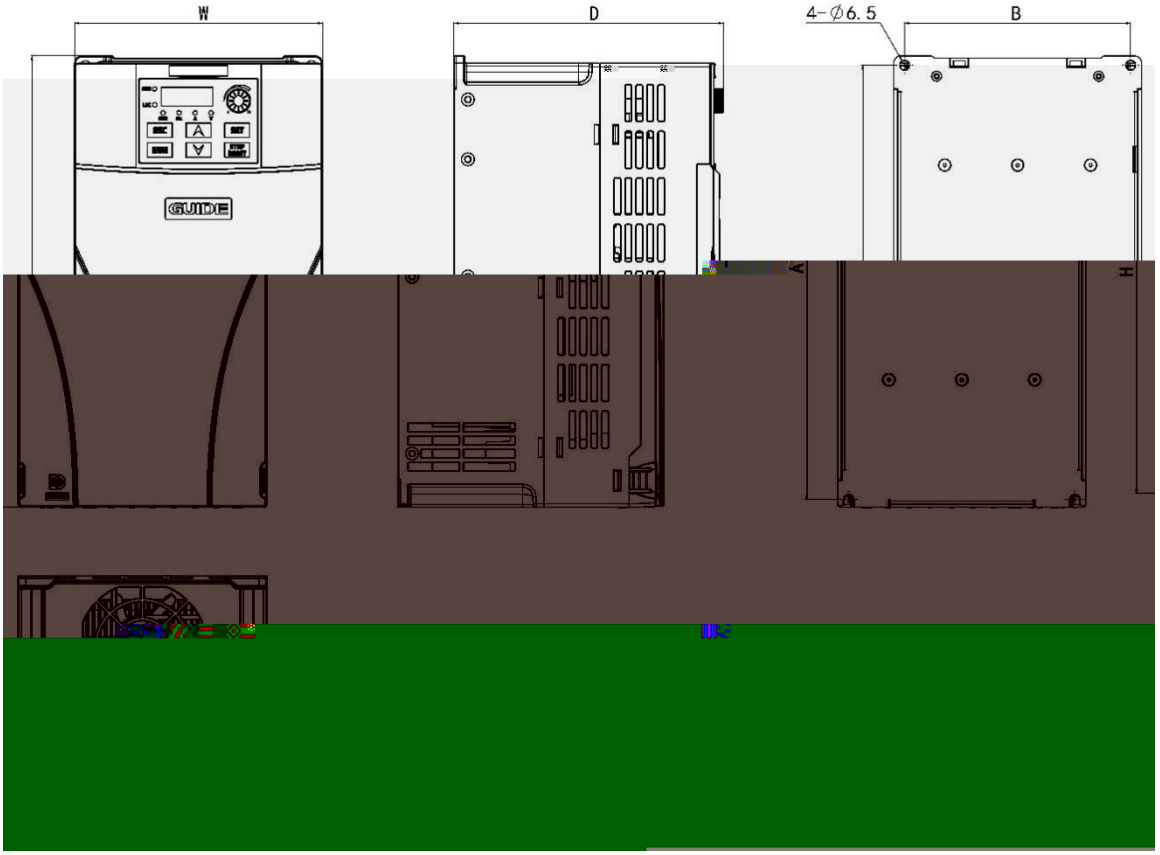

GF630N
01
—
□□□
—
4
+
SW01
V2
A
B
C
D
E
F

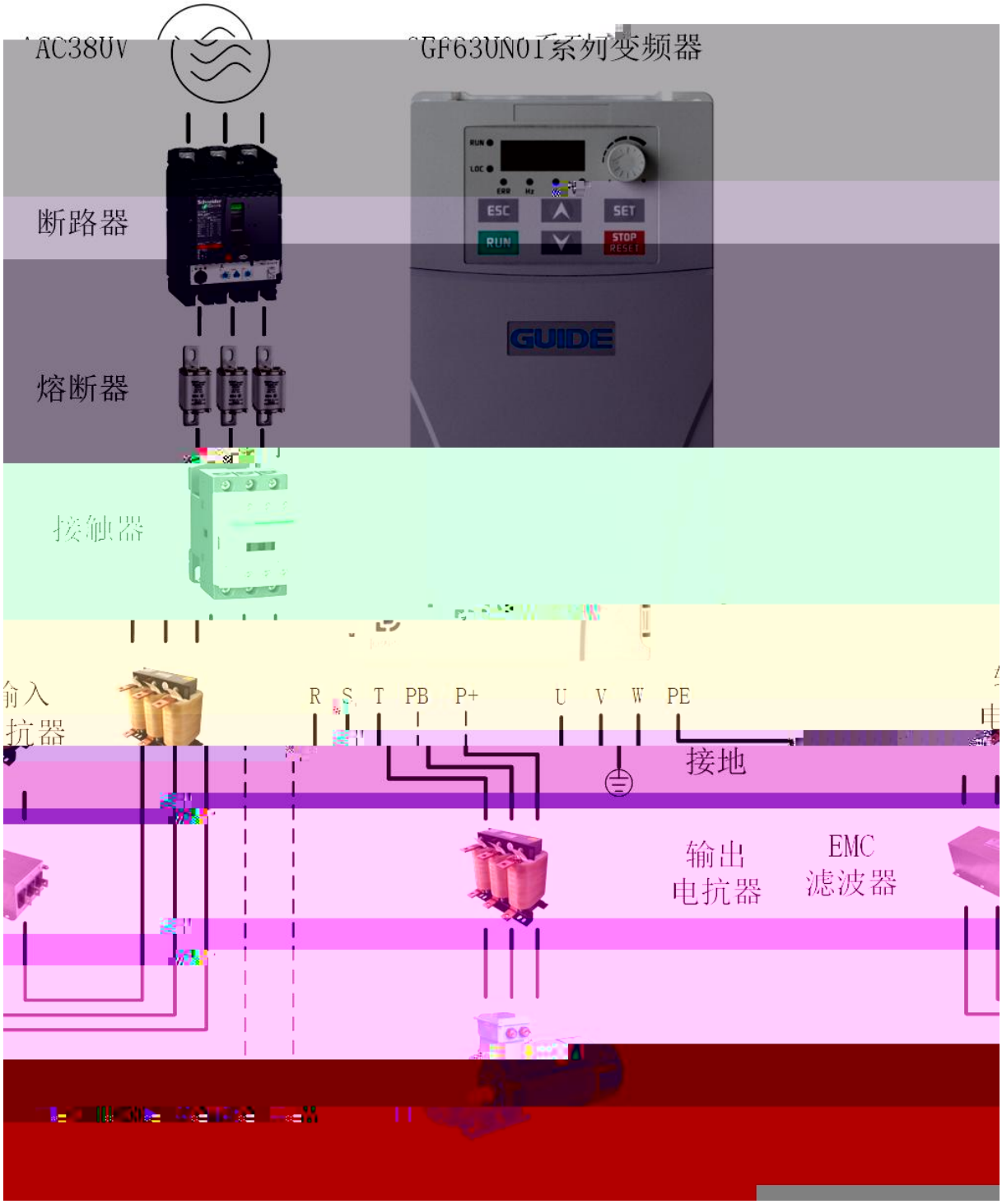

型号：GF630N01-0R4-4+SW01 V2
额定电流：1.2A
输出：AC3PH 0-480V 0-500Hz
Product ID.
E- STA
8888888A8A088
MADE IN CHINA
制造商：武汉港迪技

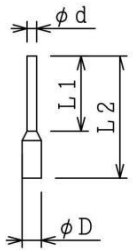

翻盖
上壳体
控制板
电源板
底壳
风扇
风扇盖


翻盖
上壳体
控制板
电源板
下壳体
风扇
底板组件

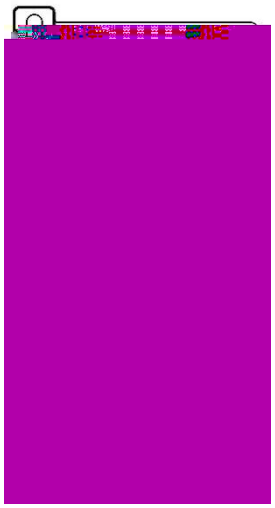
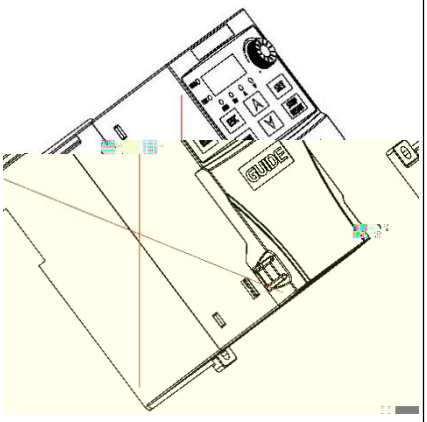
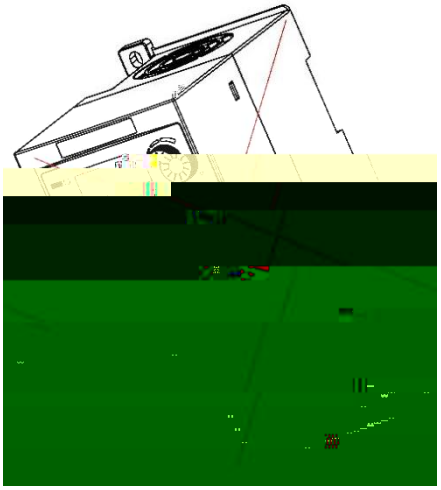

W
D
B
H
ESC
SET
RUN
STOP
RESET

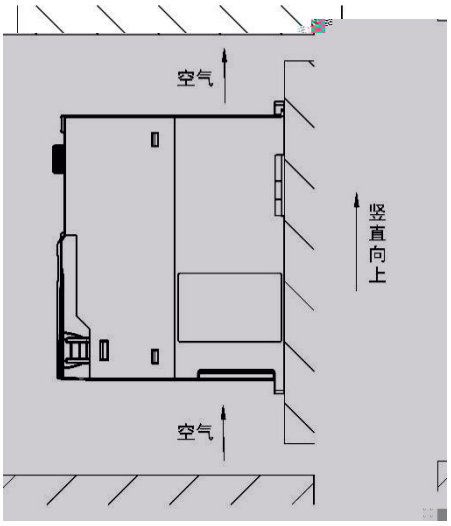

W
D
4-Ø6.5
B
H
GUIDE

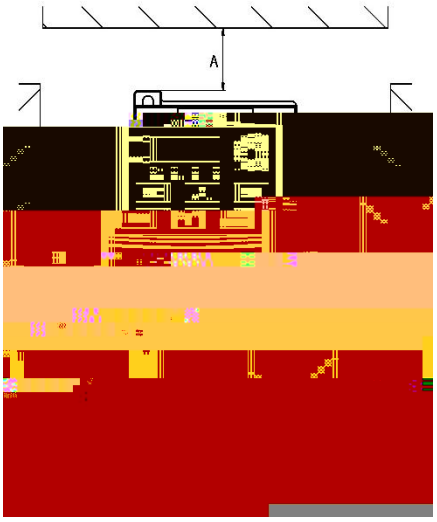

AC38Uv
GF630N01系列变频器
断路器
熔断器
接触器
输入
抗器
R S T PB P+ U V W PE
接地
输出
电抗器
EMC
滤波器

φd
L1
L2
φD

	 GUIDE 


空气
竖直向上
空气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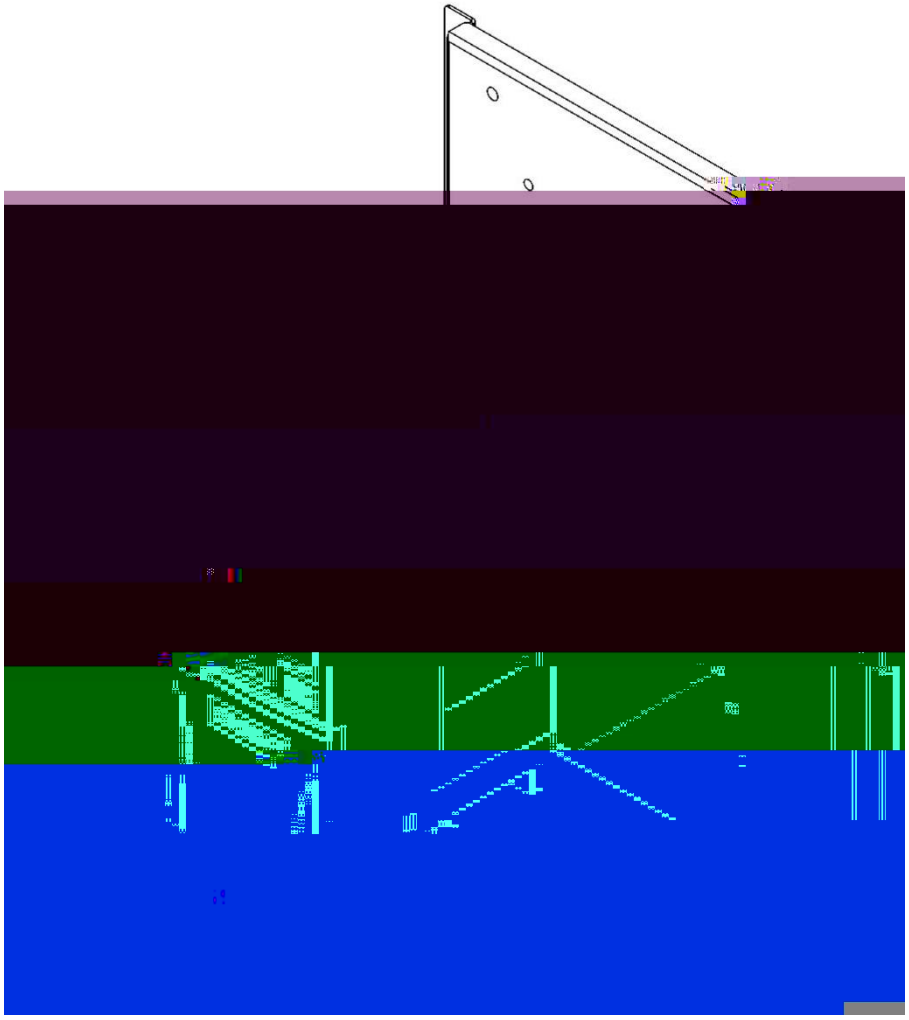
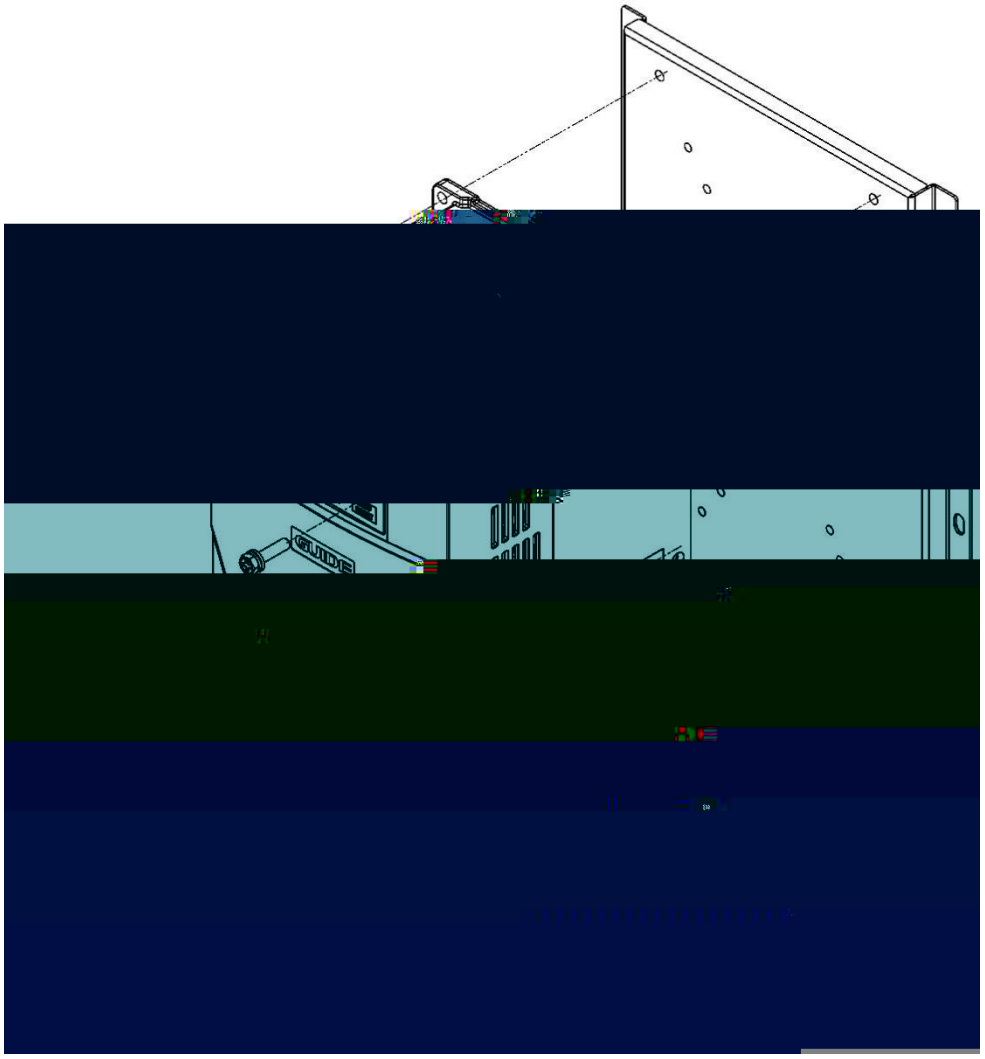
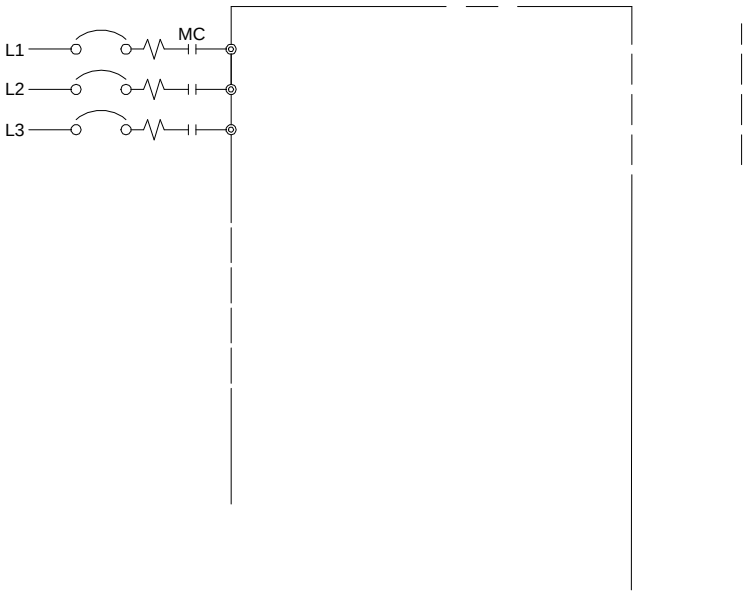
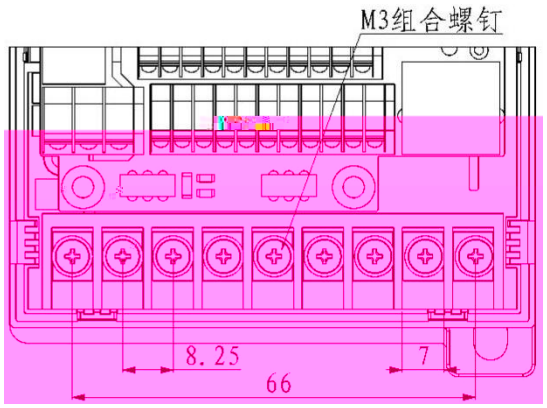
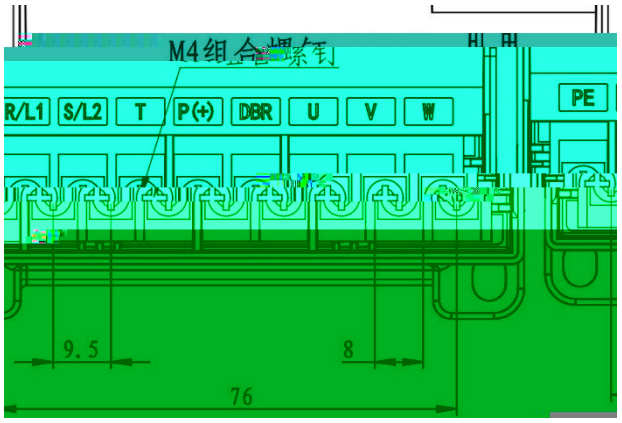
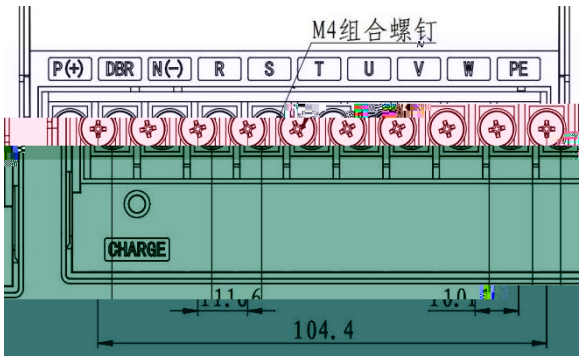
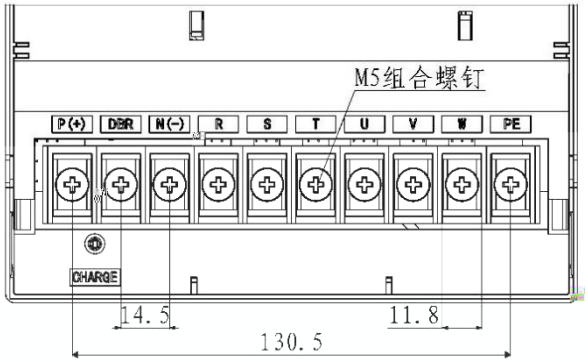
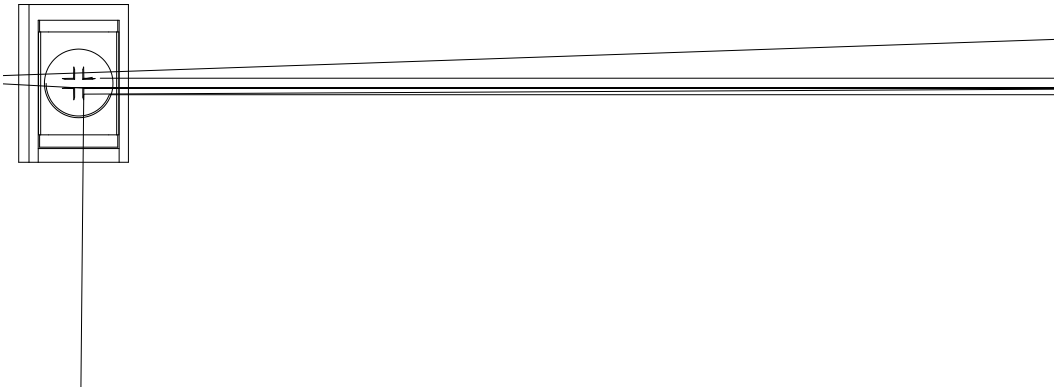
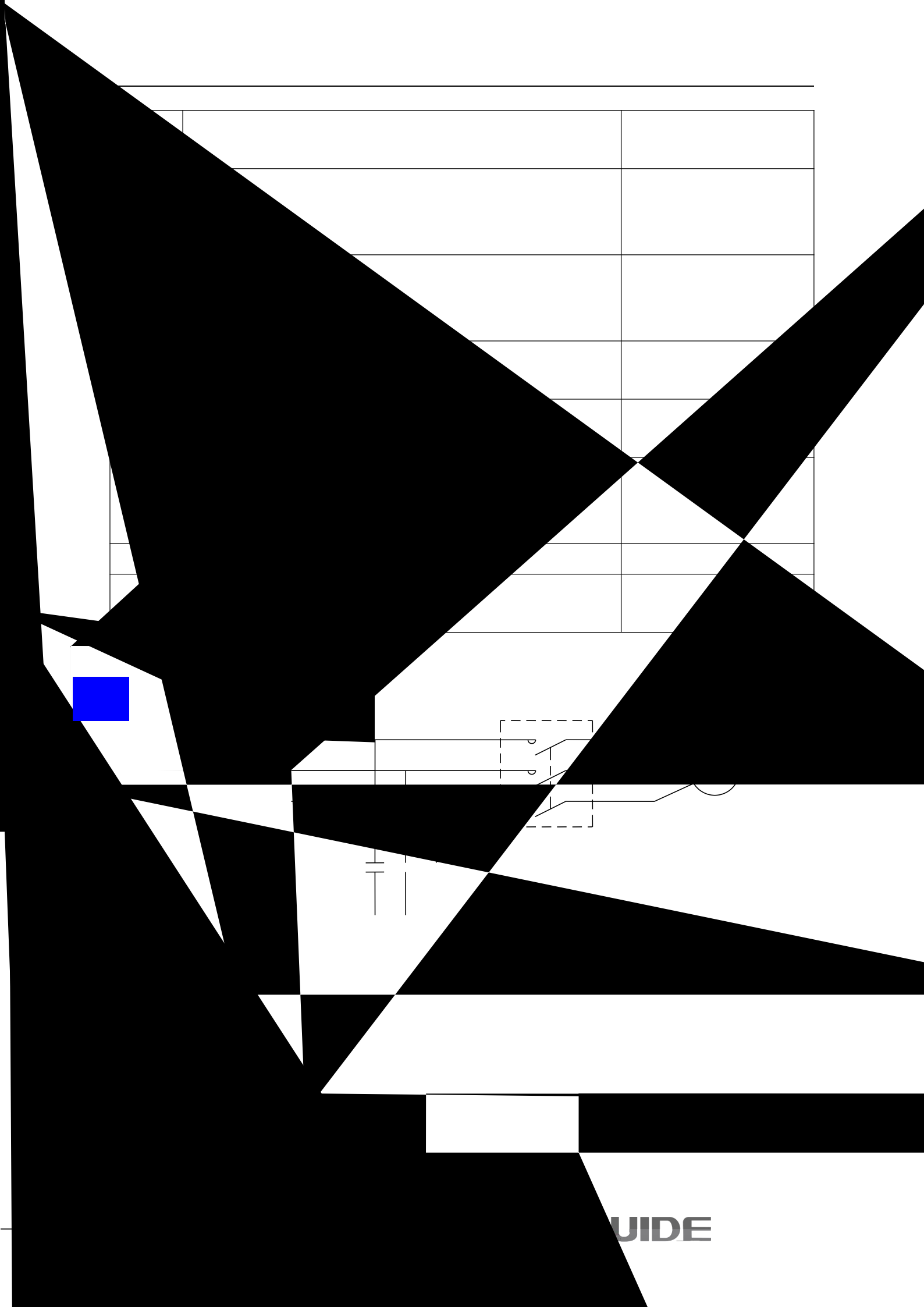


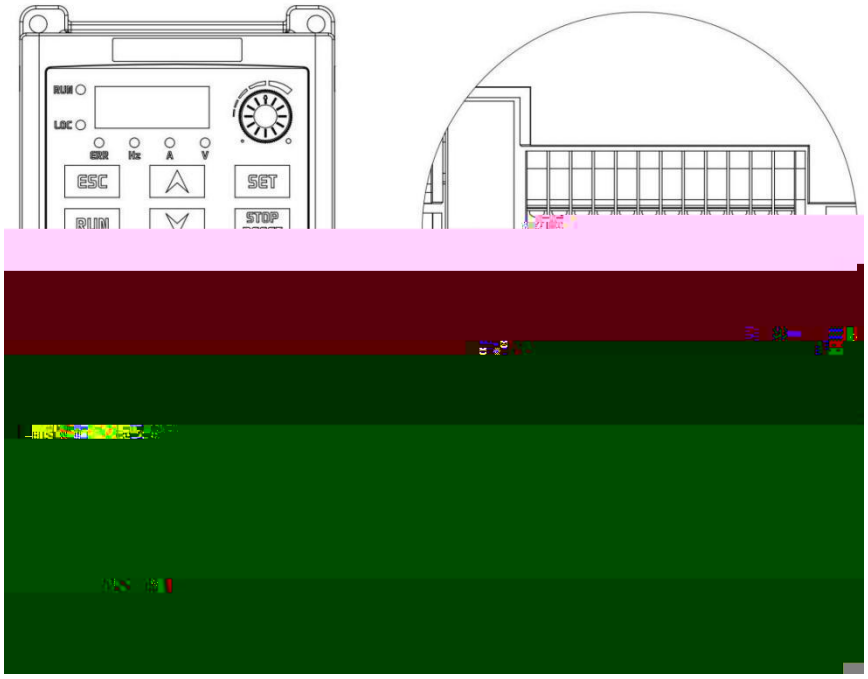


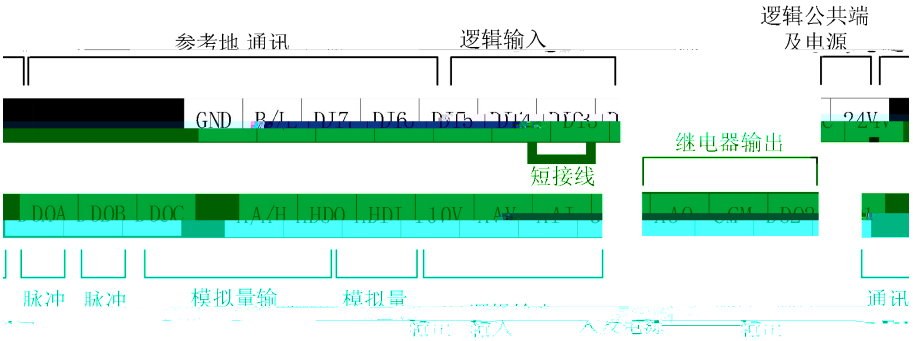

MC
L1
L2
L3

 M3组合螺钉 8.25 7 66	 M4组合螺钉 R/L1 S/L2 T P(+) DBR U V W PE 9.5 8 76
 M4组合螺钉 P(+) DBR N(-) R S T U V W PE CHARGE 104.4	 M5组合螺钉 P(+) DBR N(-) R S T U V W PE CHARGE 14.5 11.8 130.5

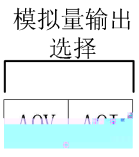


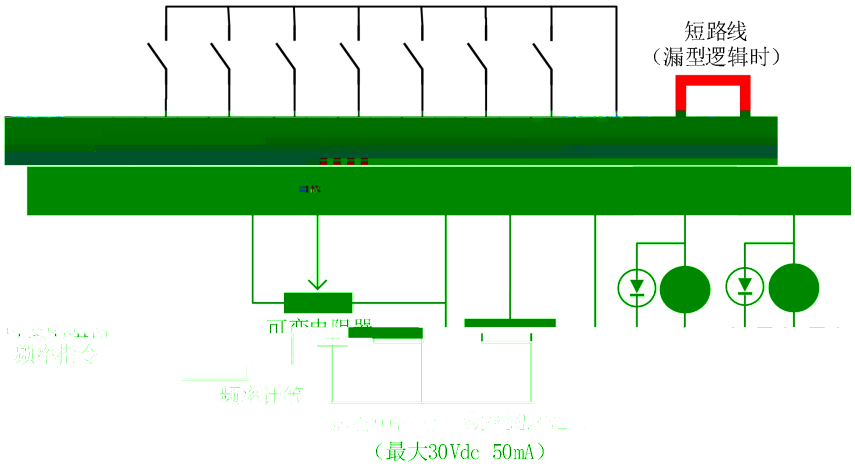



RUN
LOC
ESC
SET
STOP

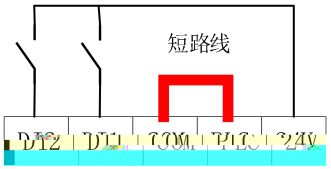

参考地 通讯
逻辑输入
逻辑公共端
及电源
GND
24V
继电器输出
短接线
脉冲
脉冲
模拟量输
模拟量
通讯

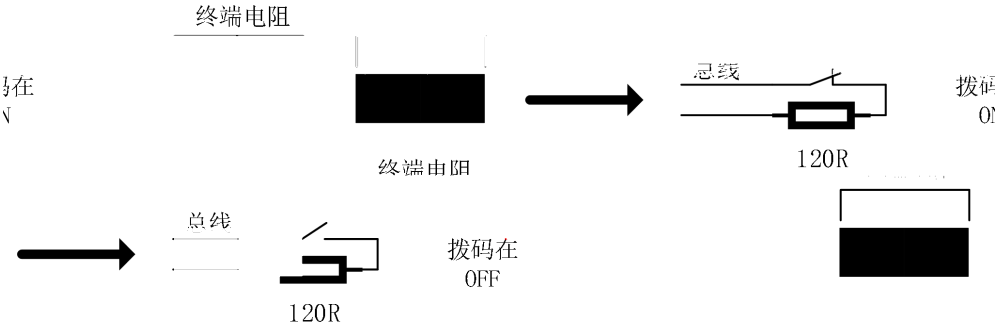
485终端电阻
OFF
ON

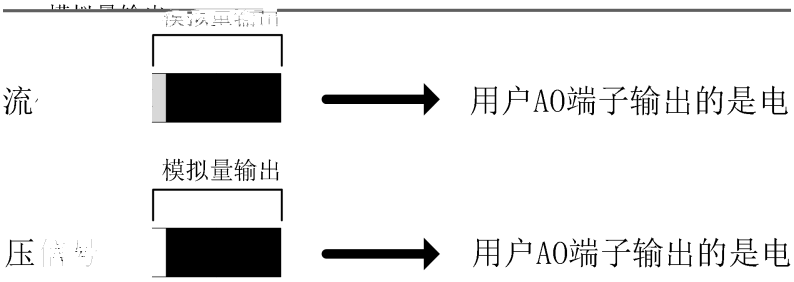

模拟量输出
选择

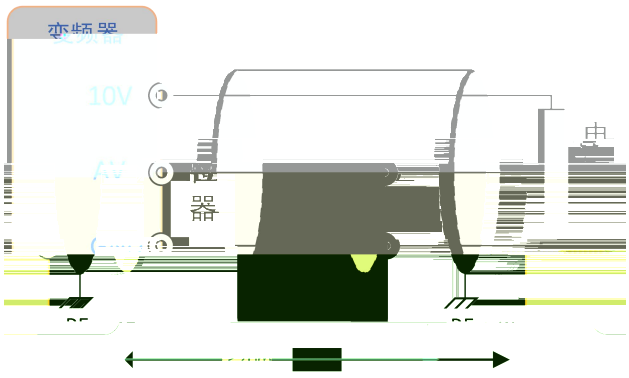

短路线
（漏型逻辑时）
（最大30Vdc 50mA）

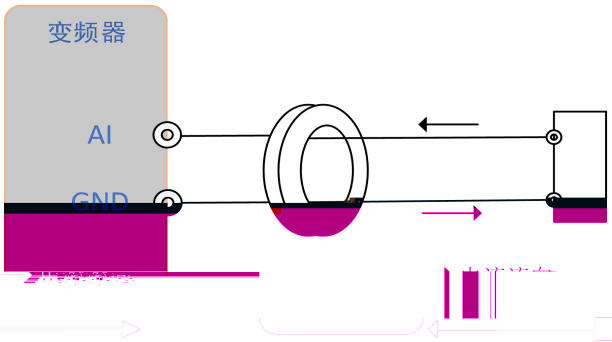
短路线

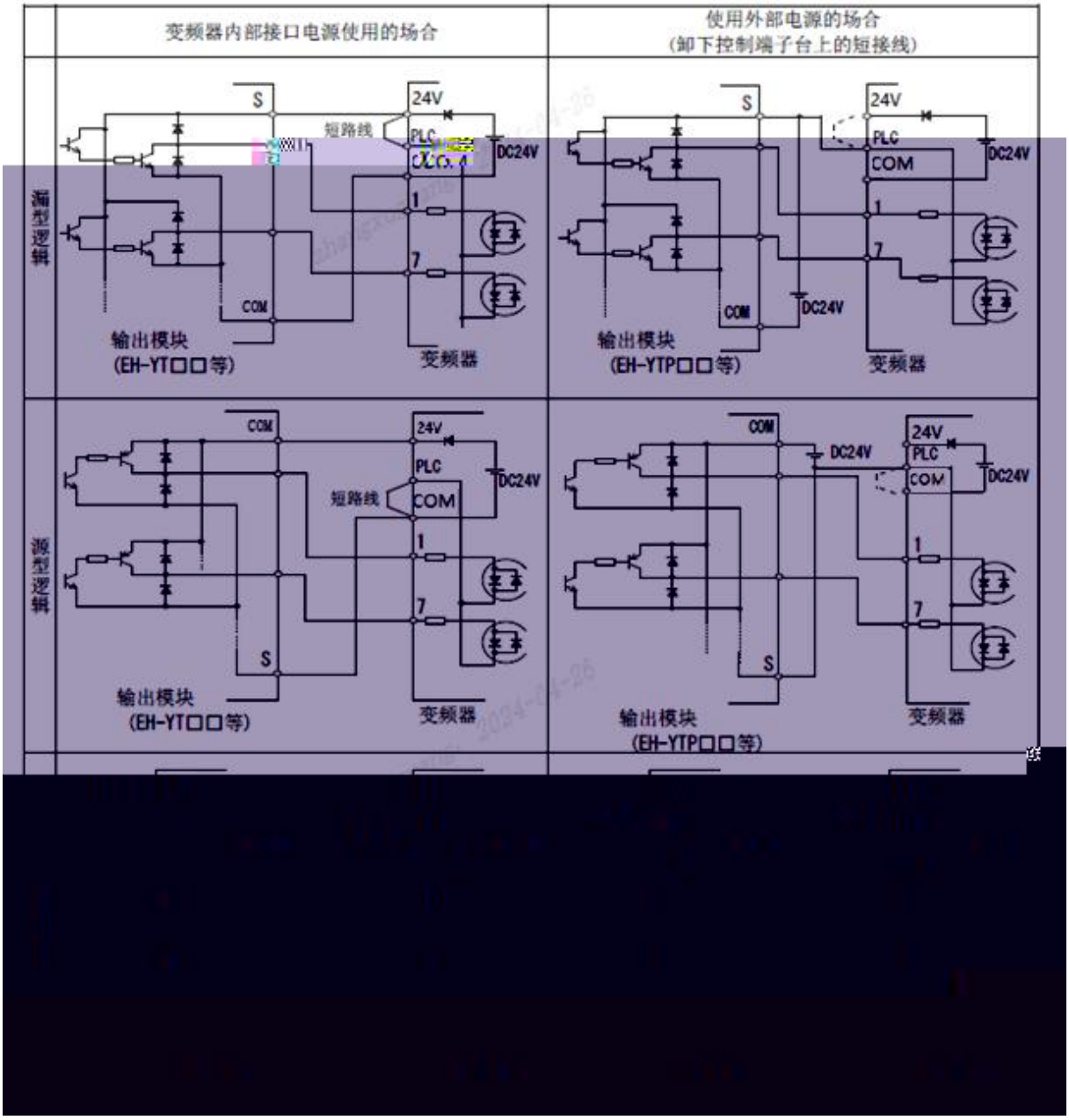

短路线

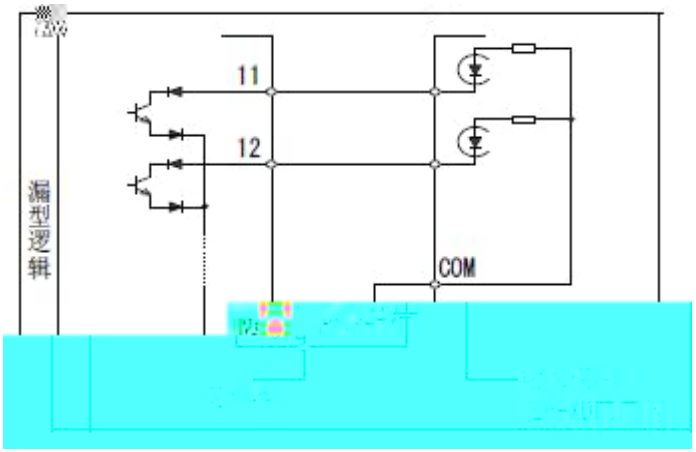

终端电阻
120R
总线
拨码在
OFF
120R

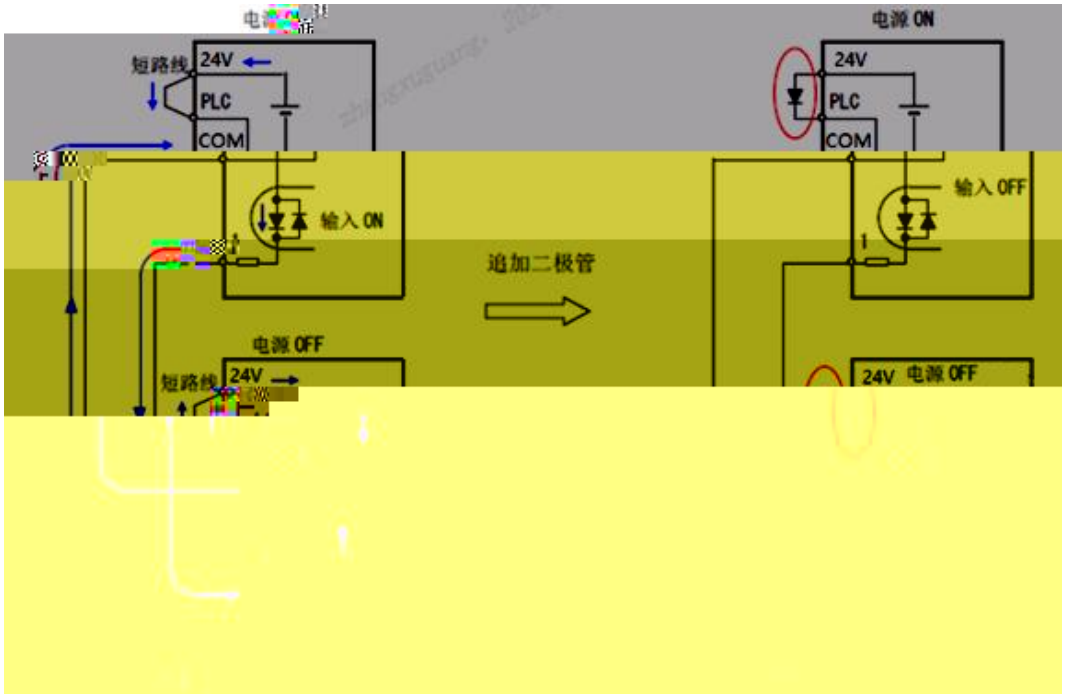

模拟量输出
流
用户AO端子输出的是电
模拟量输出
压
用户AO端子输出的是电


10V

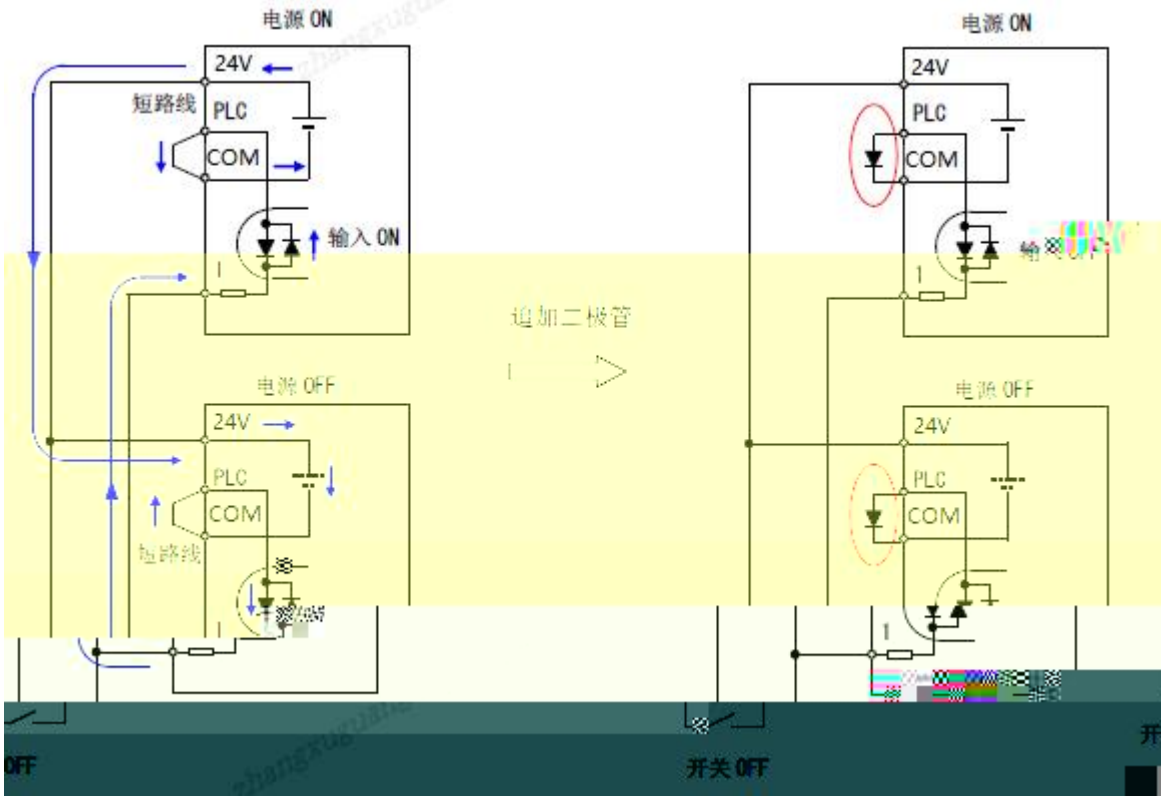

变频器
AI
GND

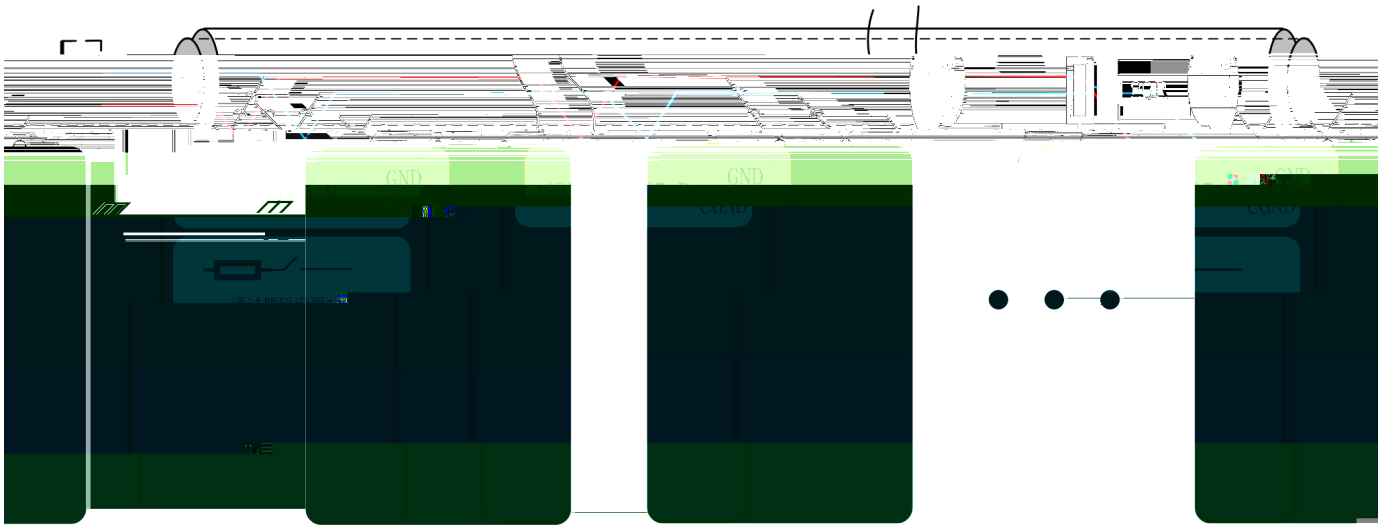

变频器内部接口电源使用的场合
使用外部电源的场合
(卸下控制端子台上的短接线)
漏型逻辑
源型逻辑
S
24V
PLC
COM
DC24V
短路线
1
7
输出模块
(EH-YT□□等)
(EH-YTP□□等)
变频器

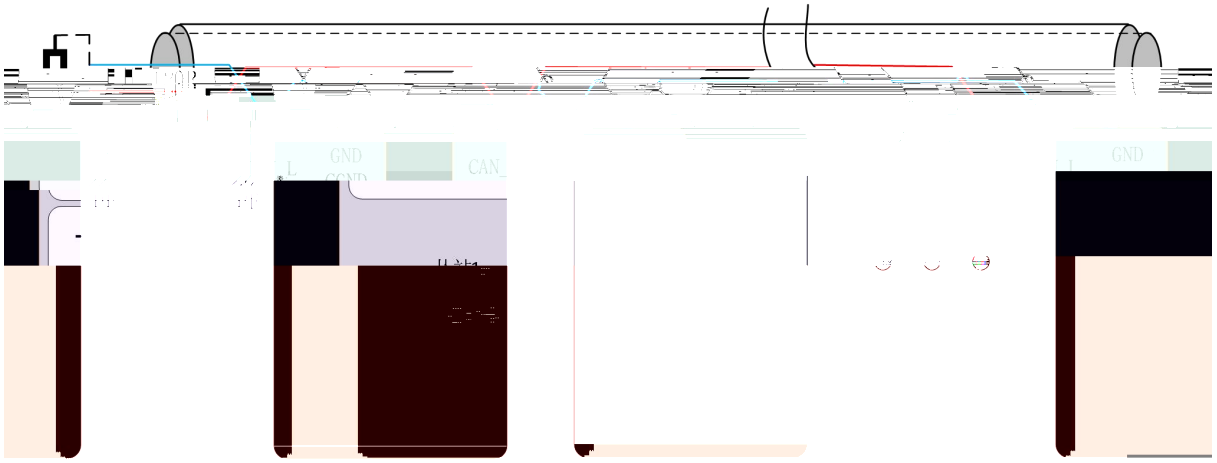

漏型逻辑
11
12
COM

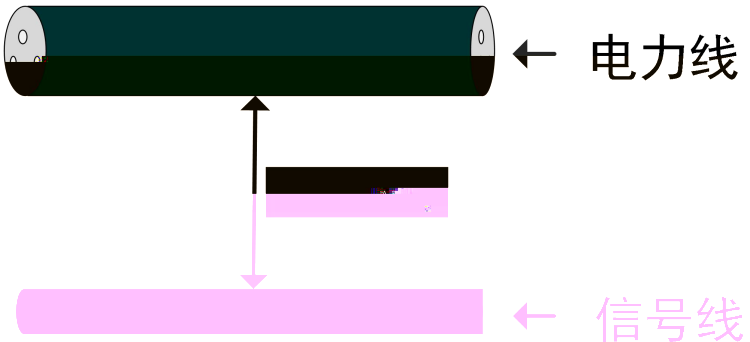

短路线
24V
PLC
COM
输入 ON
电源 OFF
短路线
24V
追加二极管
电源 ON
24V
PLC
COM
输入 OFF
1
24V 电源 OFF

型　　情况


电源 ON
24V
短路线
PLC
COM
输入 ON
电源 OFF
24V
PLC
COM
短路线
加二极管
电源 ON
24V
PLC
COM
电源 OFF
24V
PLC
COM
开关 OFF


GND
GND
GND





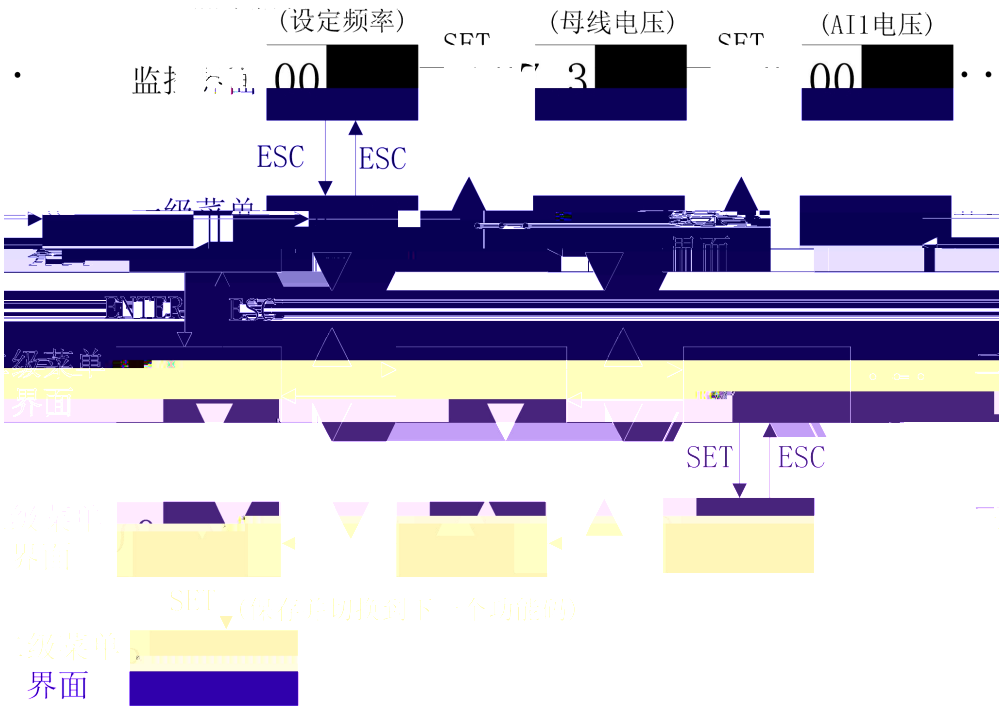
IO

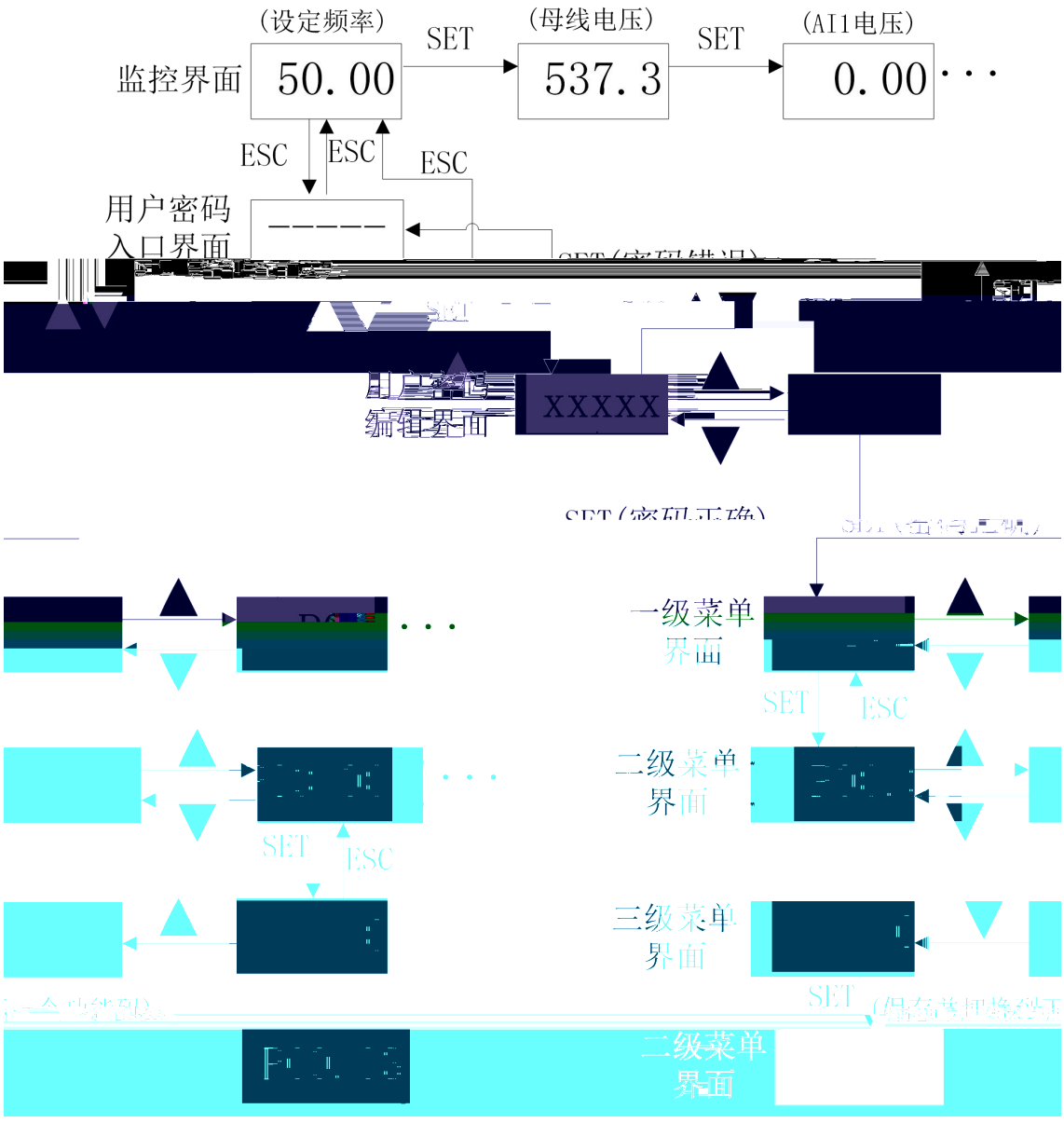
电力线
模拟信号或数字
屏蔽层
合适的电缆
不合适的电缆

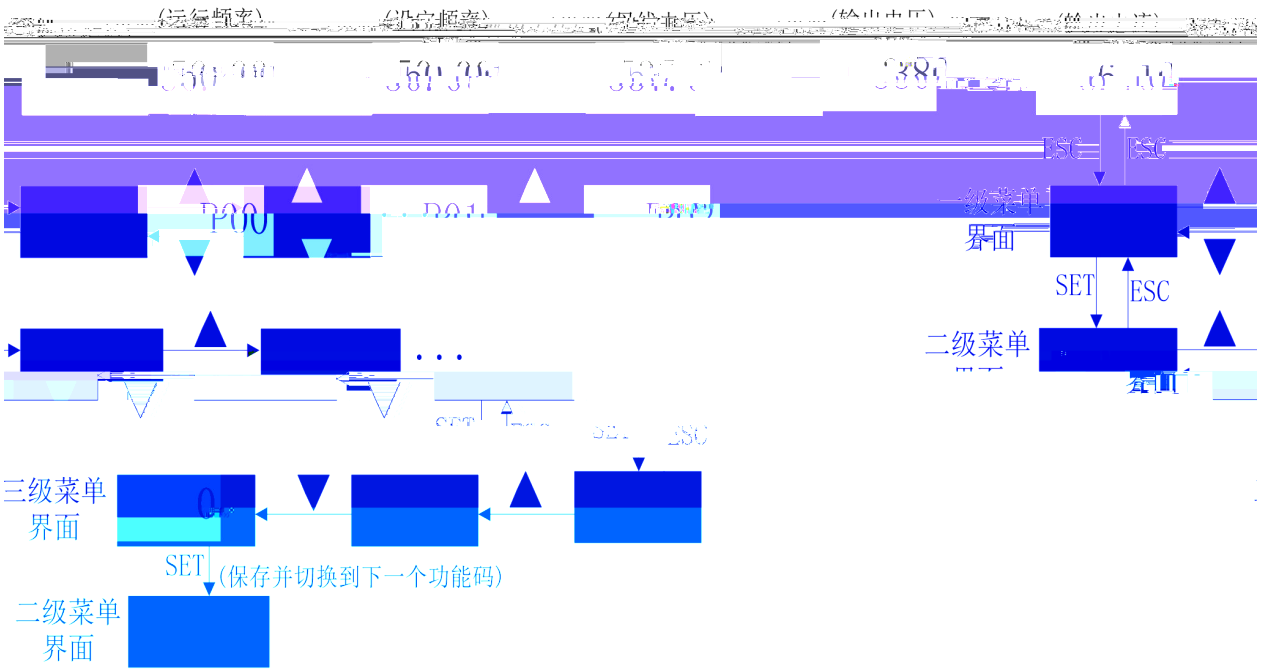
数据显示区
运行指示灯
RUN
本地/远程
指示灯
LOC
故障指示灯
ERR
Hz
A
V
模拟给定旋钮
单位指示灯
返回键
ESC
SET
确认键
运行键
RUN
STOP
RESET
停止键
上、下方向键

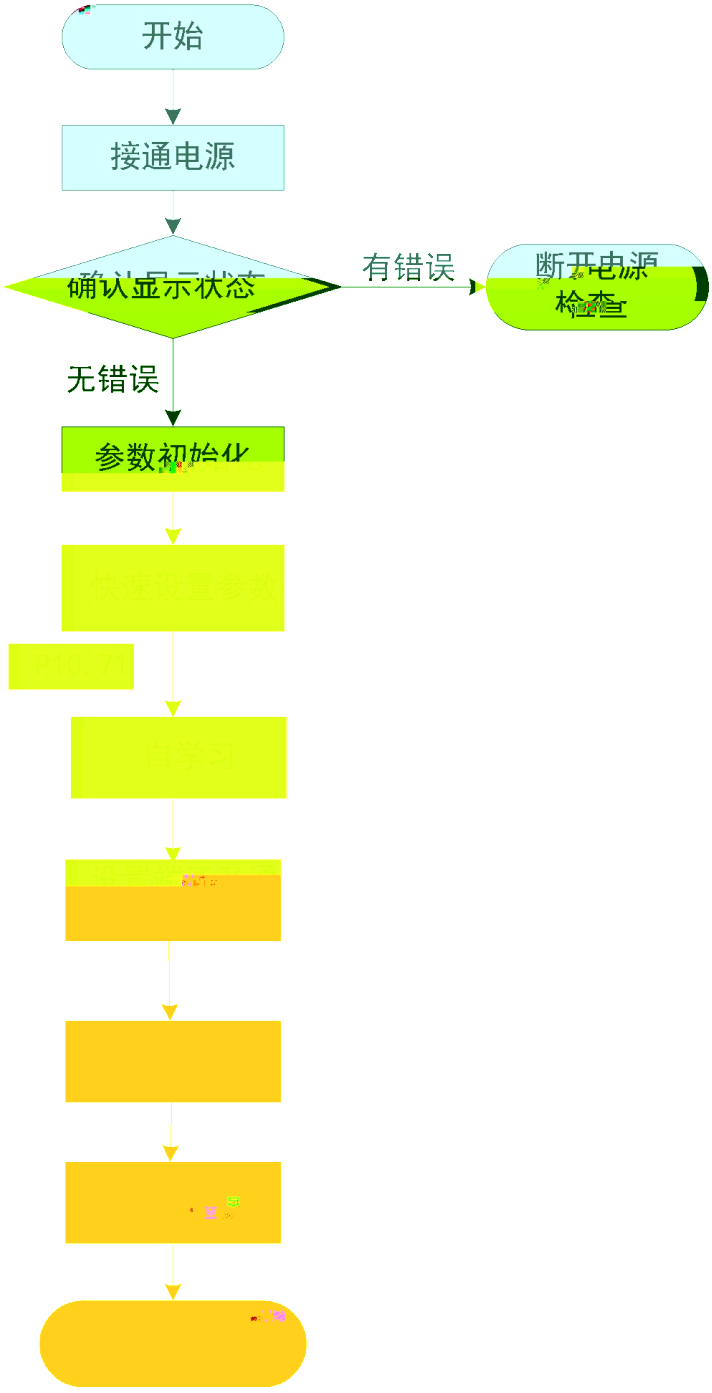
显示文字	LED显示	显示文字	LED显示	显示文字	LED显示	显示文字	LED显示
0	0	A	A	K	K	U	U
1	1	B	b	L	L	V	v
2	2	C	C	M	无	W	无
3	3	D	d	N	n	X	无
4	4	E	E	O	o	Y	y
5	5	F	F	P	P	Z	无
6	6	G	G	Q	q		
7	7	H	H	R	r		
8	8	I	I	S	S		
9	9	J	J	T	t		

ESC		


(设定频率)
SET
(母线电压)
SET
(AI1电压)
ESC
ESC
SET
ESC
界面
SET 保存当前选中一个功能码
界面


(设定频率)
SET
(母线电压)
SET
(AI1电压)
监控界面
50.00
537.3
0.00
ESC
ESC
ESC
用户密码
入口界面
SET
XXXXX
SET(密码正确)
一级菜单
界面
SET
ESC
二级菜单
界面
SET
ESC
三级菜单
界面
SET
二级菜单
界面


ESC
ESC
SET
ESC
二级菜单
三级菜单
界面
SET
(保存并切换到下一个功能码)
二级菜单
界面


开始
接通电源
有错误
断开电源
检查
无错误
参数初始化

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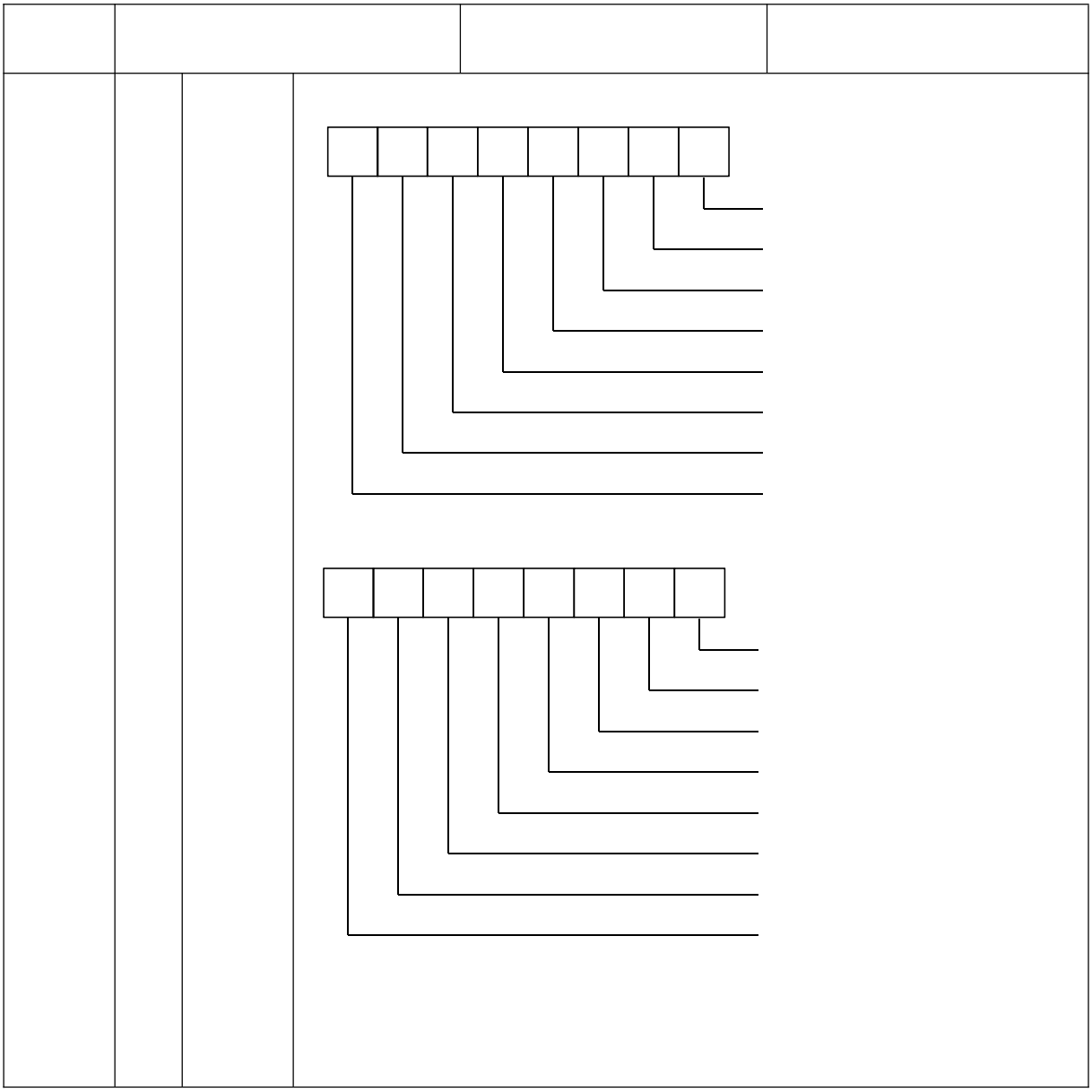
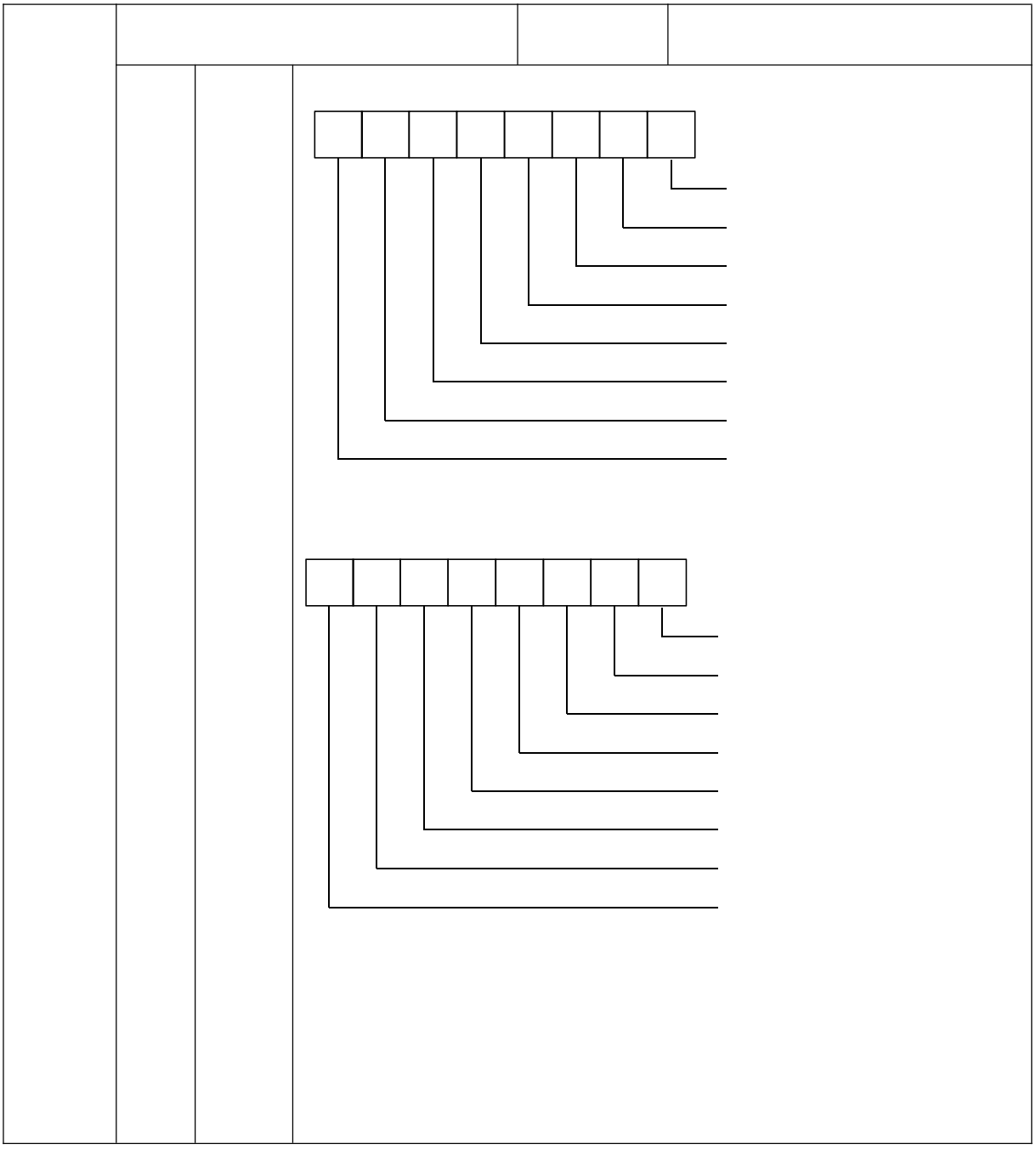
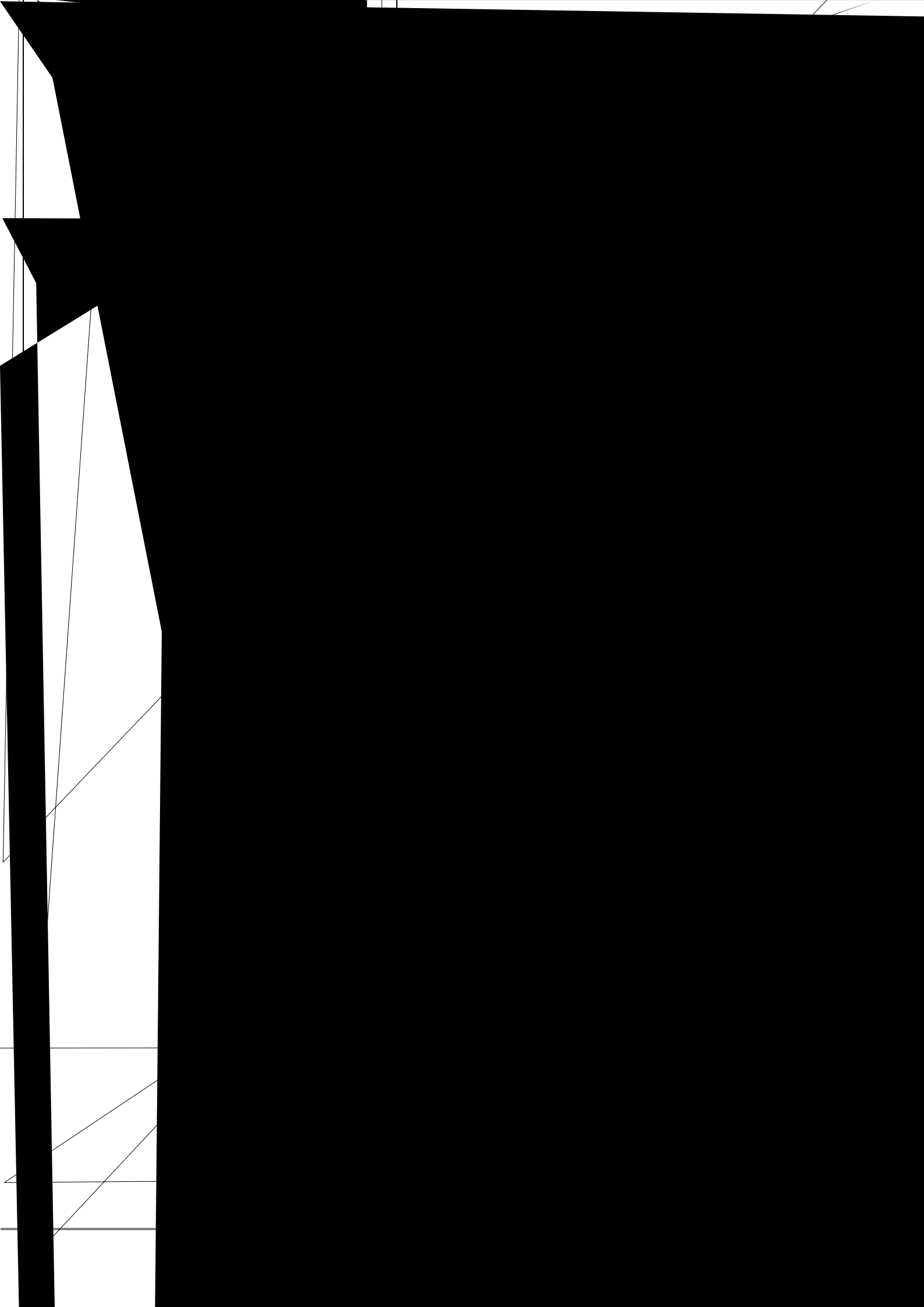
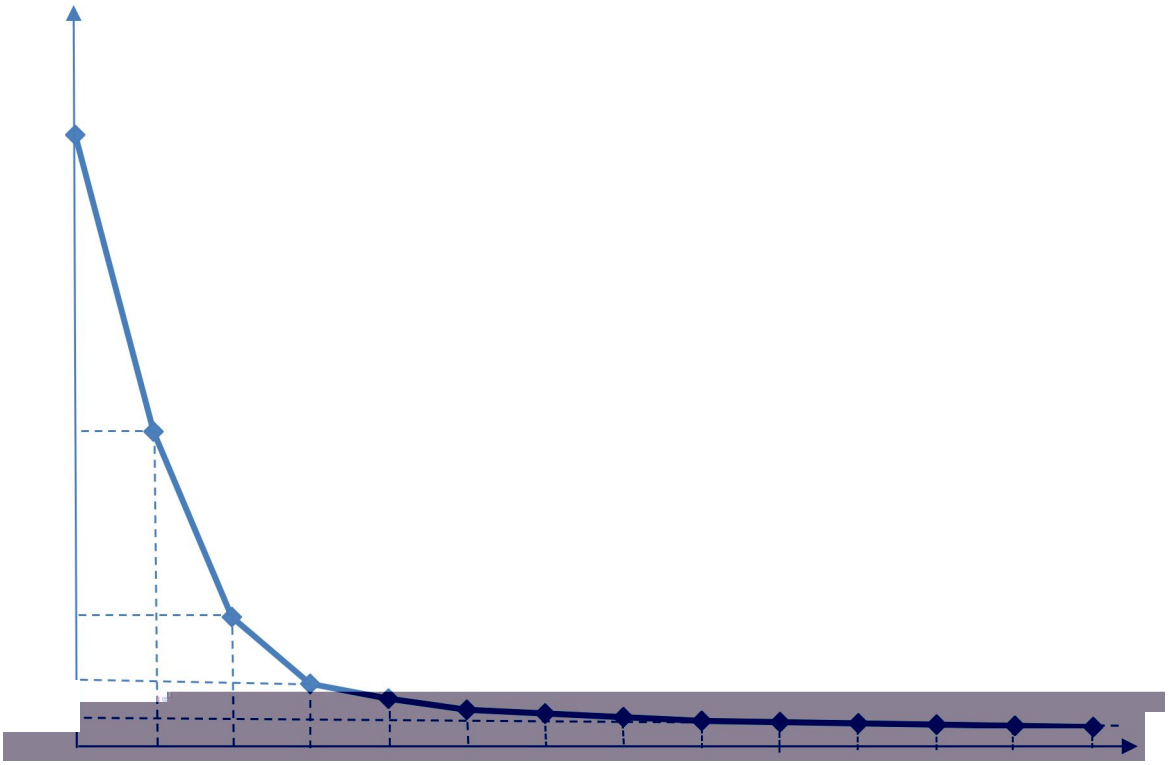
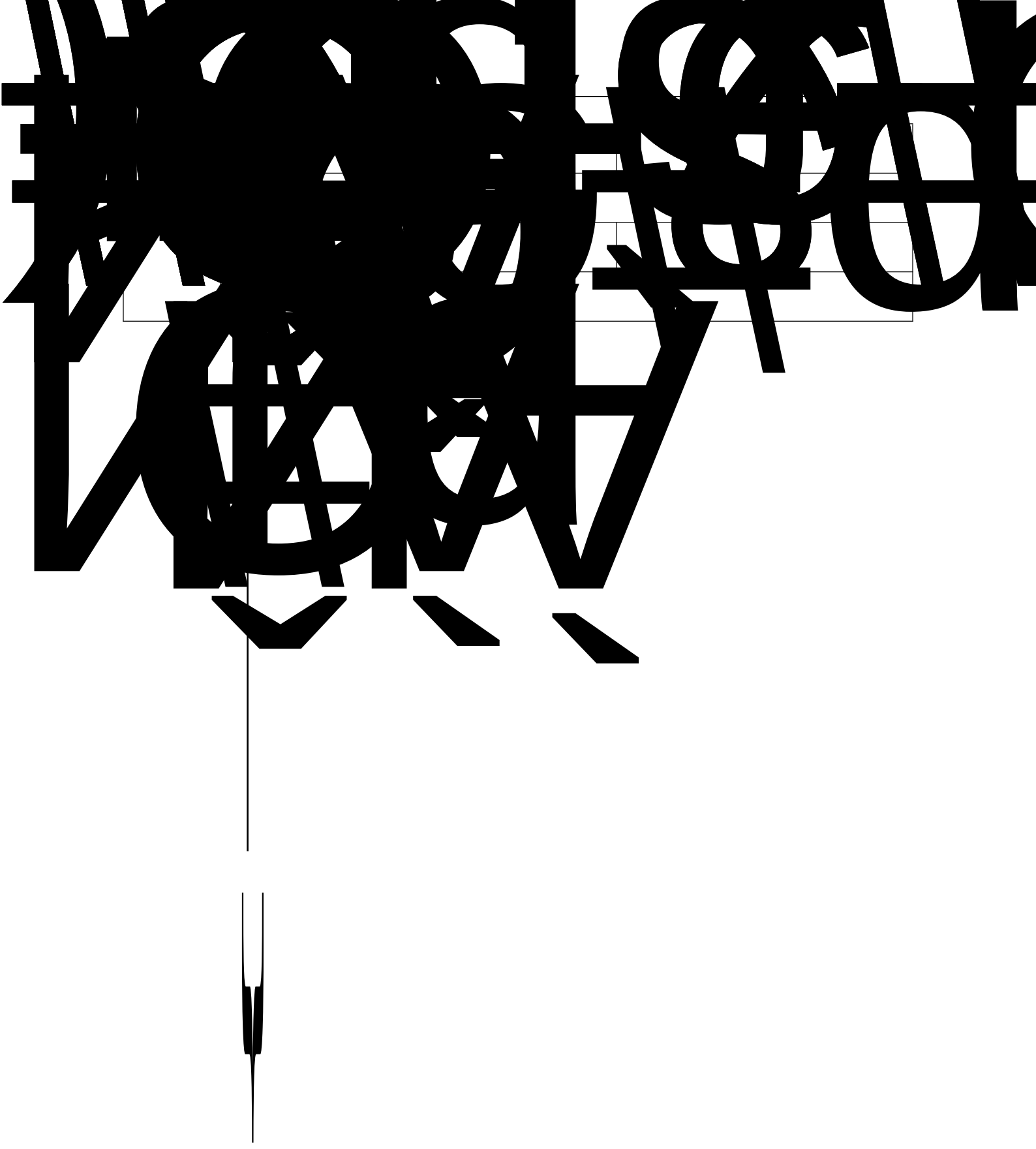
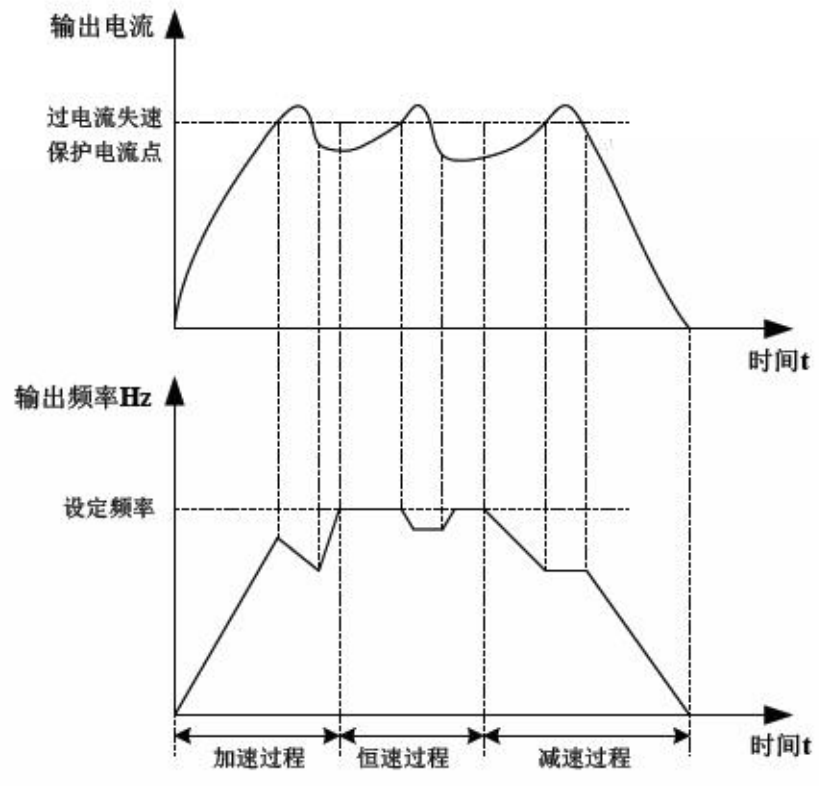


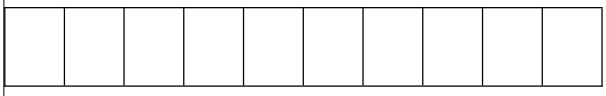









输出电流
过电流失速
保护电流点
时间t
输出频率Hz
设定频率
加速过程
恒速过程
减速过程
时间t

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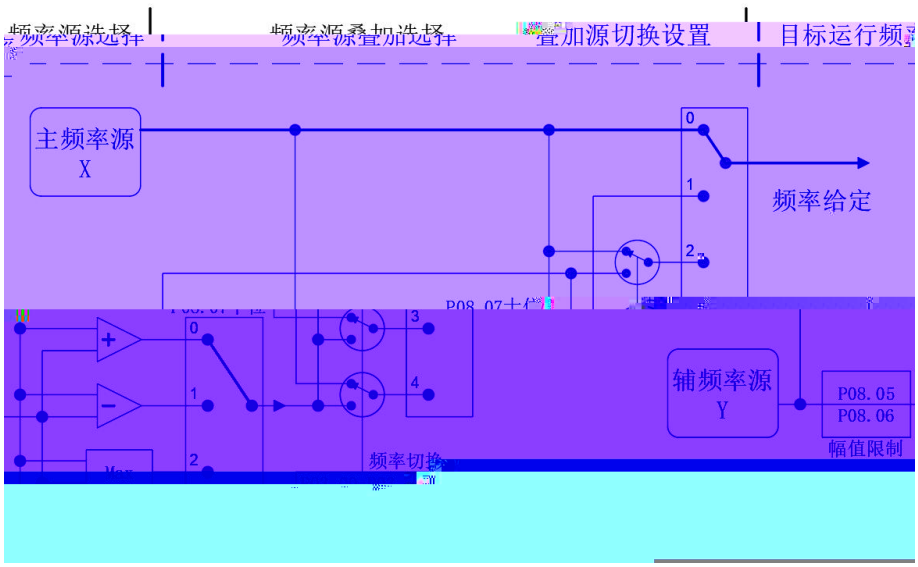
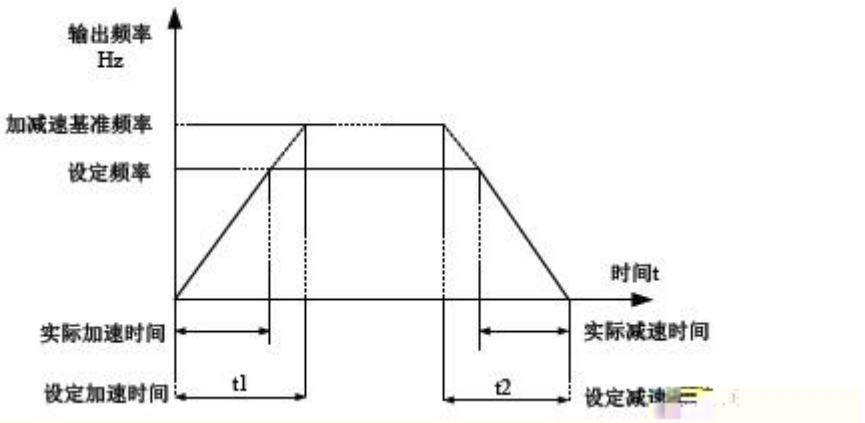
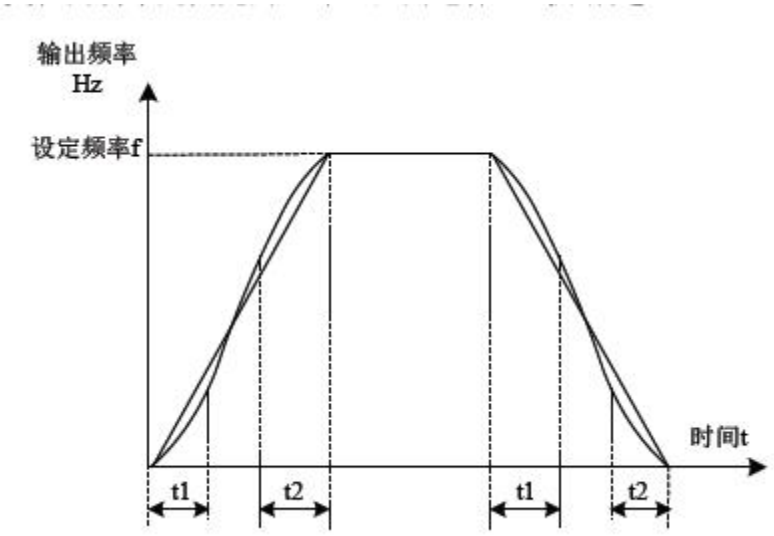

频率源选择
频率源叠加选择
叠加源切换设置
目标运行频率
主频率源
X
0
1
2
频率给定
P08.07十位
3
4
辅频率源
Y
P08.05
P08.06
幅值限制
频率切换

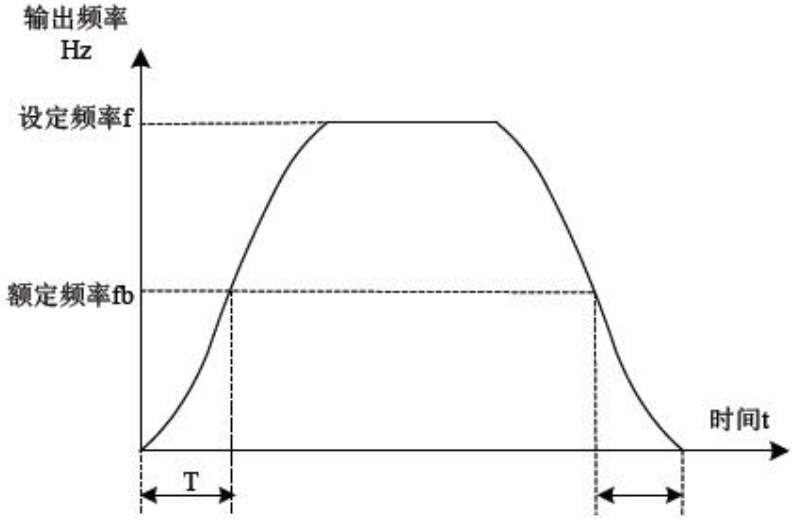

输出频率
Hz
加减速基准频率
设定频率
时间t
实际加速时间
实际减速时间
设定加速时间
t1
t2

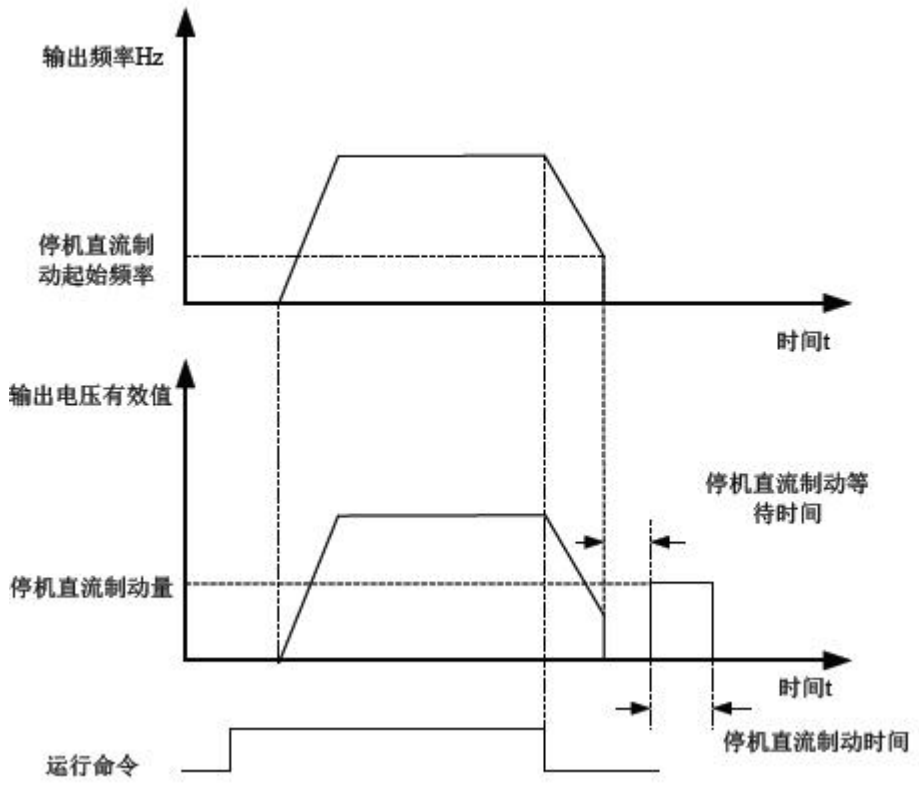
L$

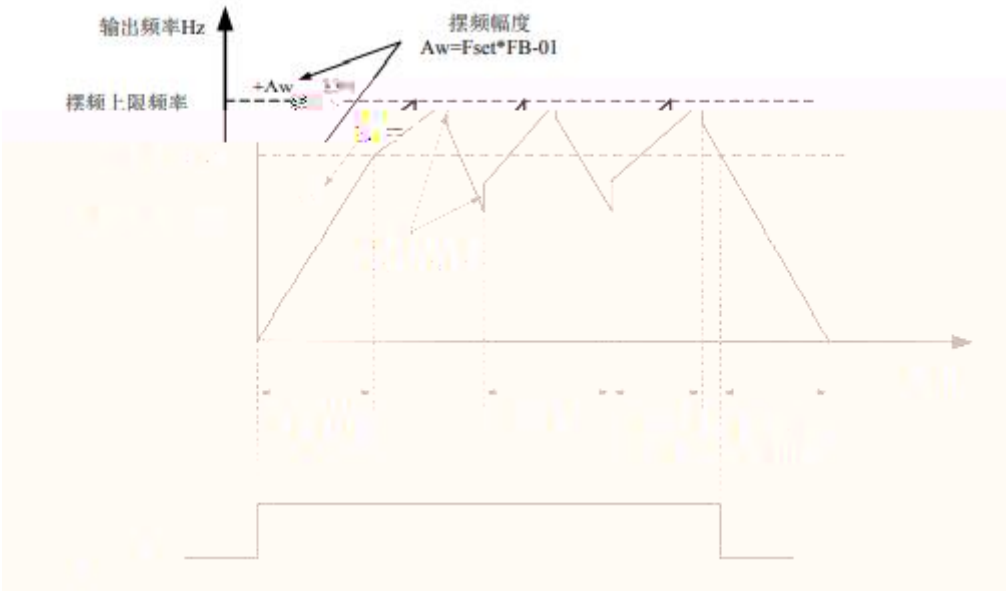
I%D ,

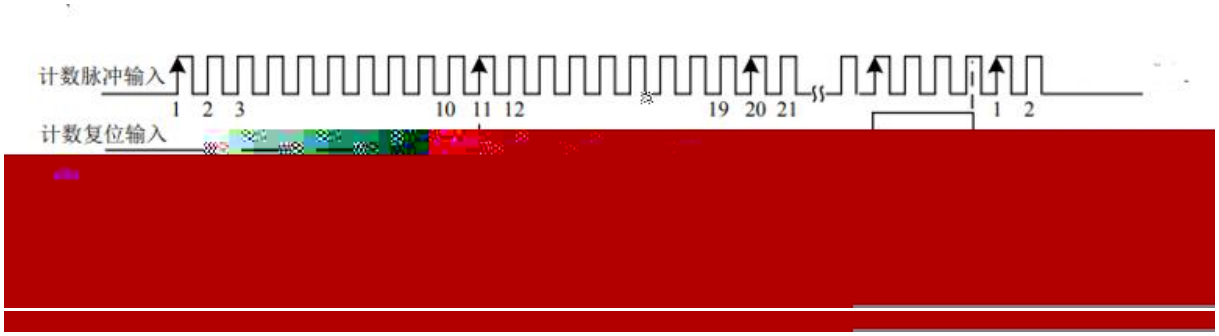
$$t = (\frac{4}{9} \times (\frac{f}{f_b})^2 + \frac{}{9}) \times T$$




输出频率
Hz
设定频率f
额定频率fb
时间t
T


输出频率Hz
停机直流制
动起始频率
时间t
输出电压有效值
停机直流制动等
待时间
停机直流制动量
时间t
停机直流制动时间
运行命令


输出频率Hz
摆频幅度
Aw=Fset*FB-01
+Aw
摆频上限频率


计数脉冲输入
1 2 3
10 11 12
19 20 21
1 2
计数复位输入

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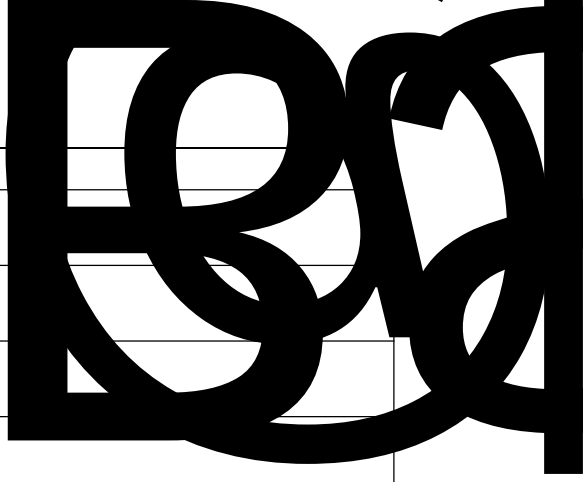
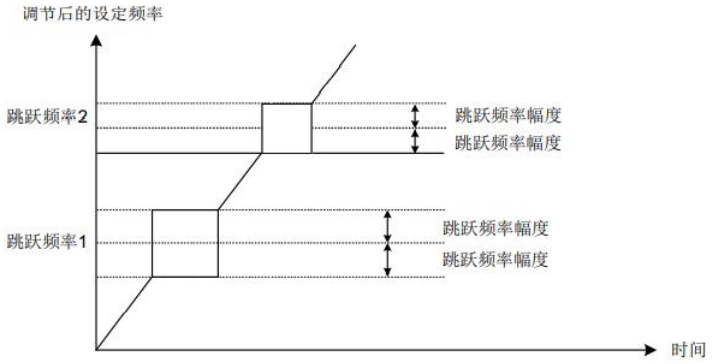
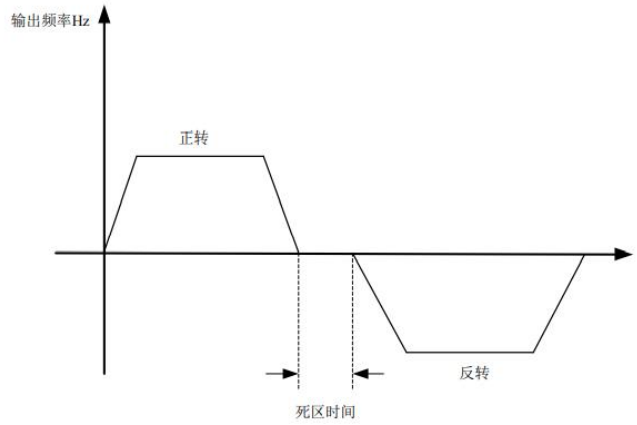
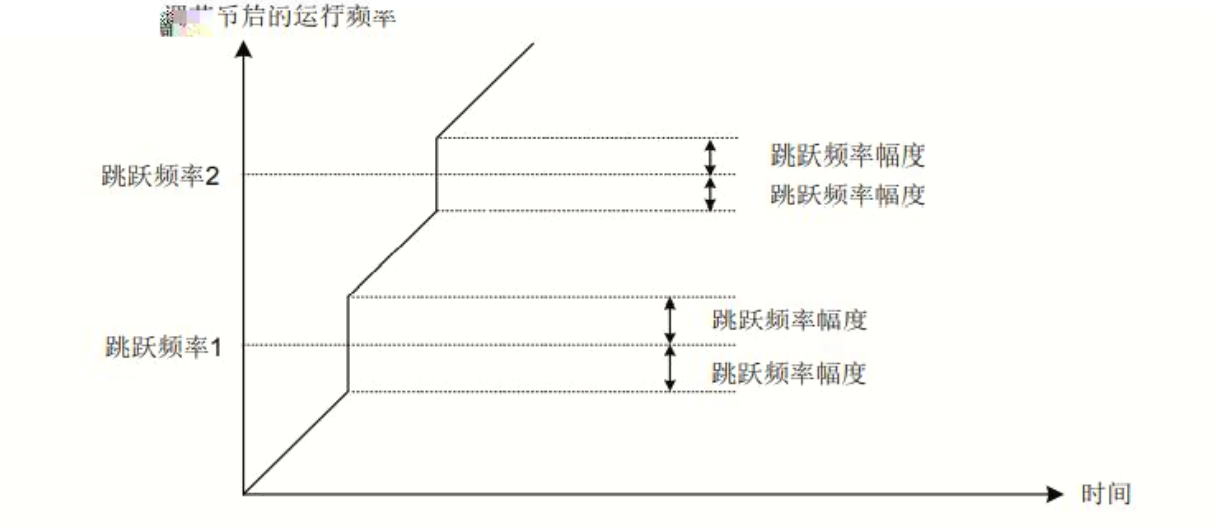
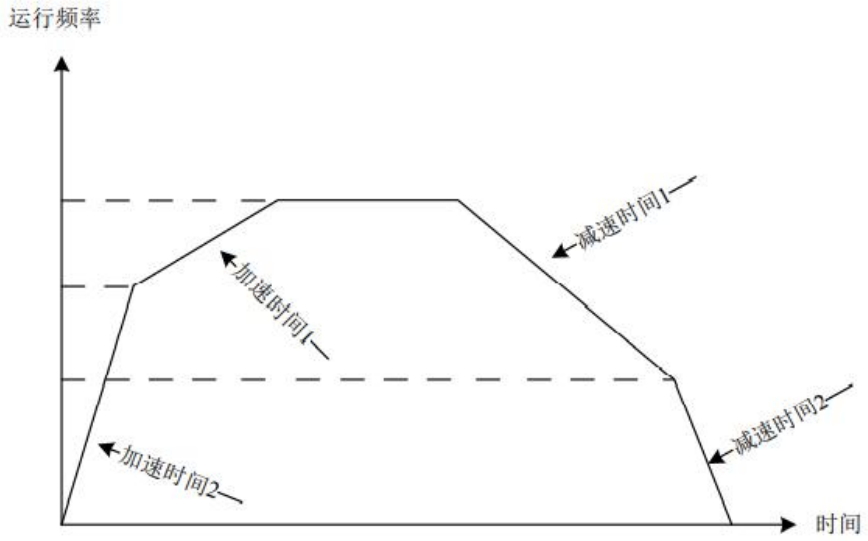



调节后的设定频率
跳跃频率2
跳跃频率幅度
跳跃频率幅度
跳跃频率1
跳跃频率幅度
跳跃频率幅度
时间


输出频率Hz
正转
反转
死区时间


调节后的运行频率
跳跃频率2
跳跃频率1
跳跃频率幅度
跳跃频率幅度
跳跃频率幅度
跳跃频率幅度
时间


运行频率
减速时间1
加速时间1
减速时间2
加速时间2
时间

变　器 GF630N01　列

MINI SW01V2 变　器功　扩展　明书

：1.00

技　　份　　公司

Wuhan Guide Technology Co.,Ltd.

GDGF630N01-4+SW01 V2-DOC-UM-REV1.00

2026.02