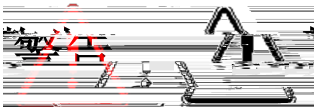
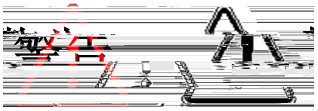
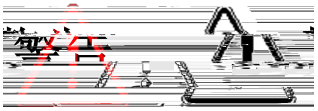
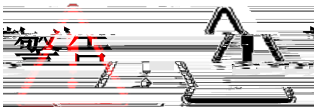
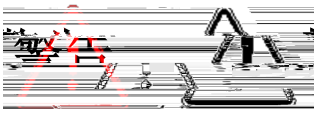
危险	
注意	
警告	

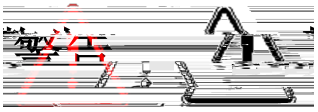


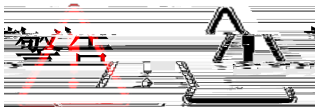


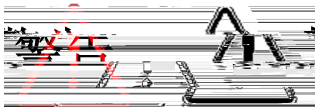


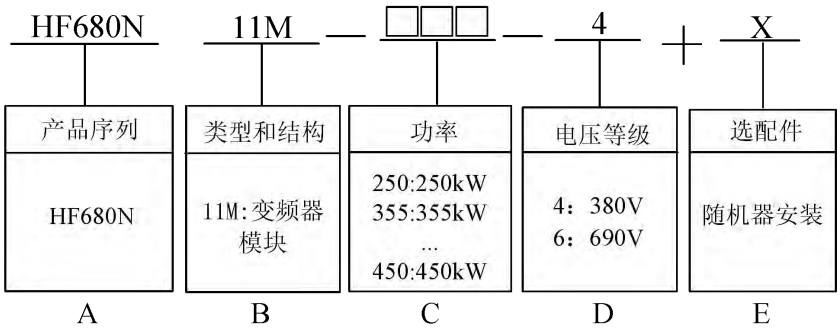


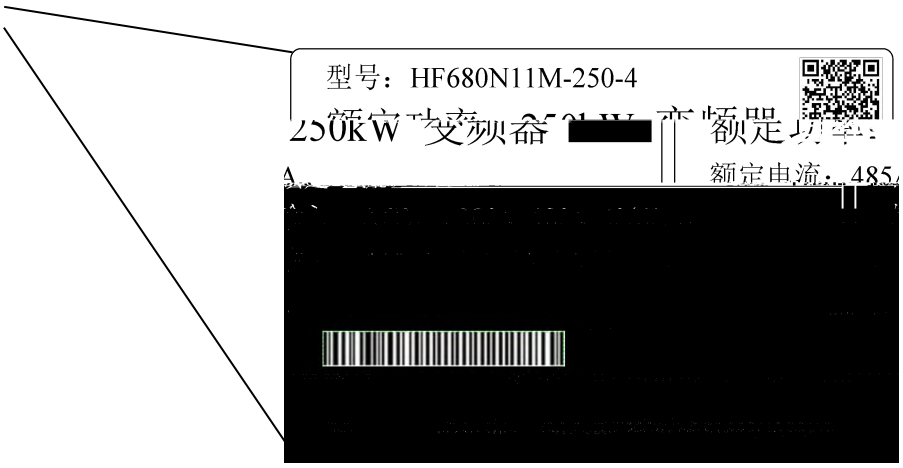


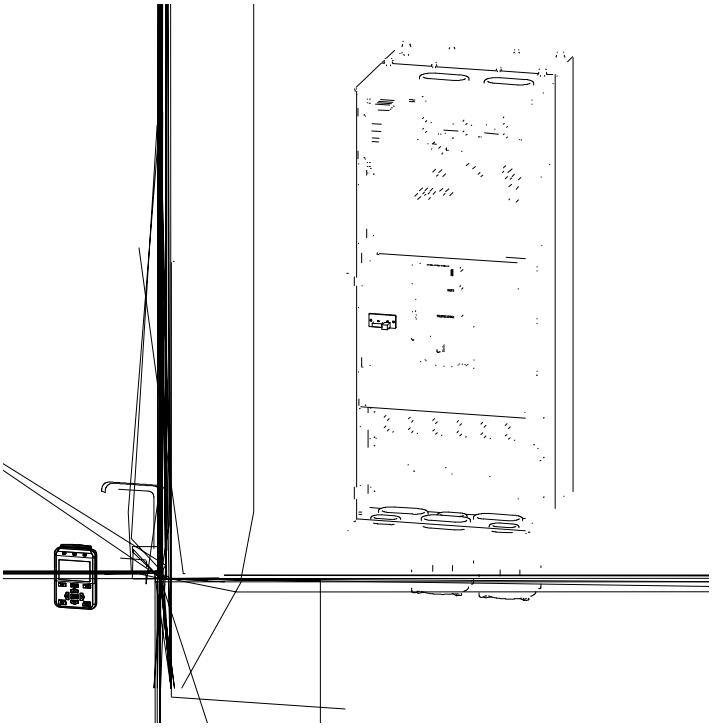


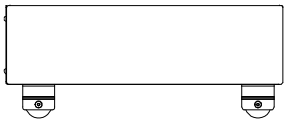

警告


警告

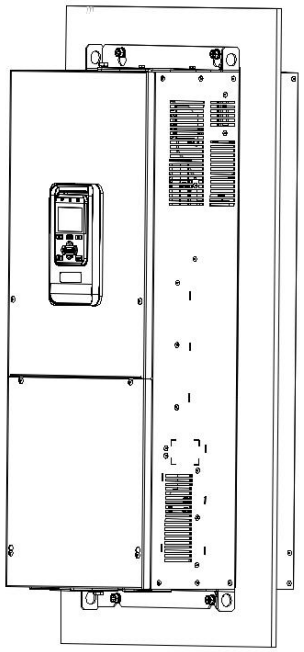

HF680N
11M
□□□
4
X
产品序列
类型和结构
功率
电压等级
选配件
HF680N
11M:变频器模块
250:250kW
355:355kW
...
450:450kW
4：380V
6：690V
随机器安装
A
B
C
D
E

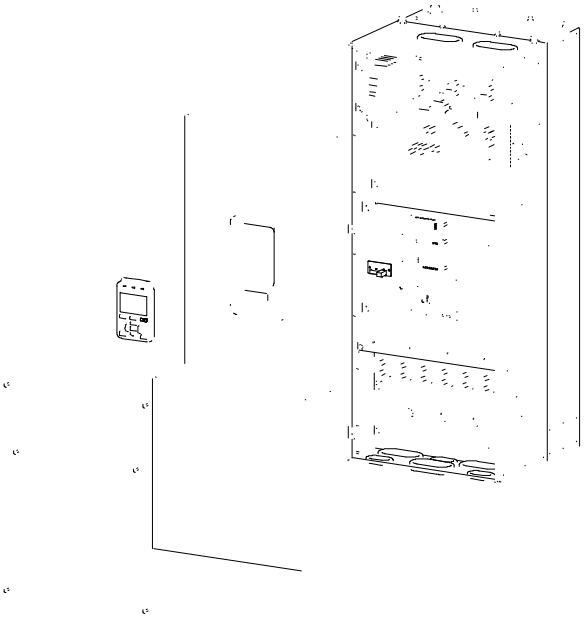

型号：HF680N11M-250-4
250KW 变频器
额定电流：485

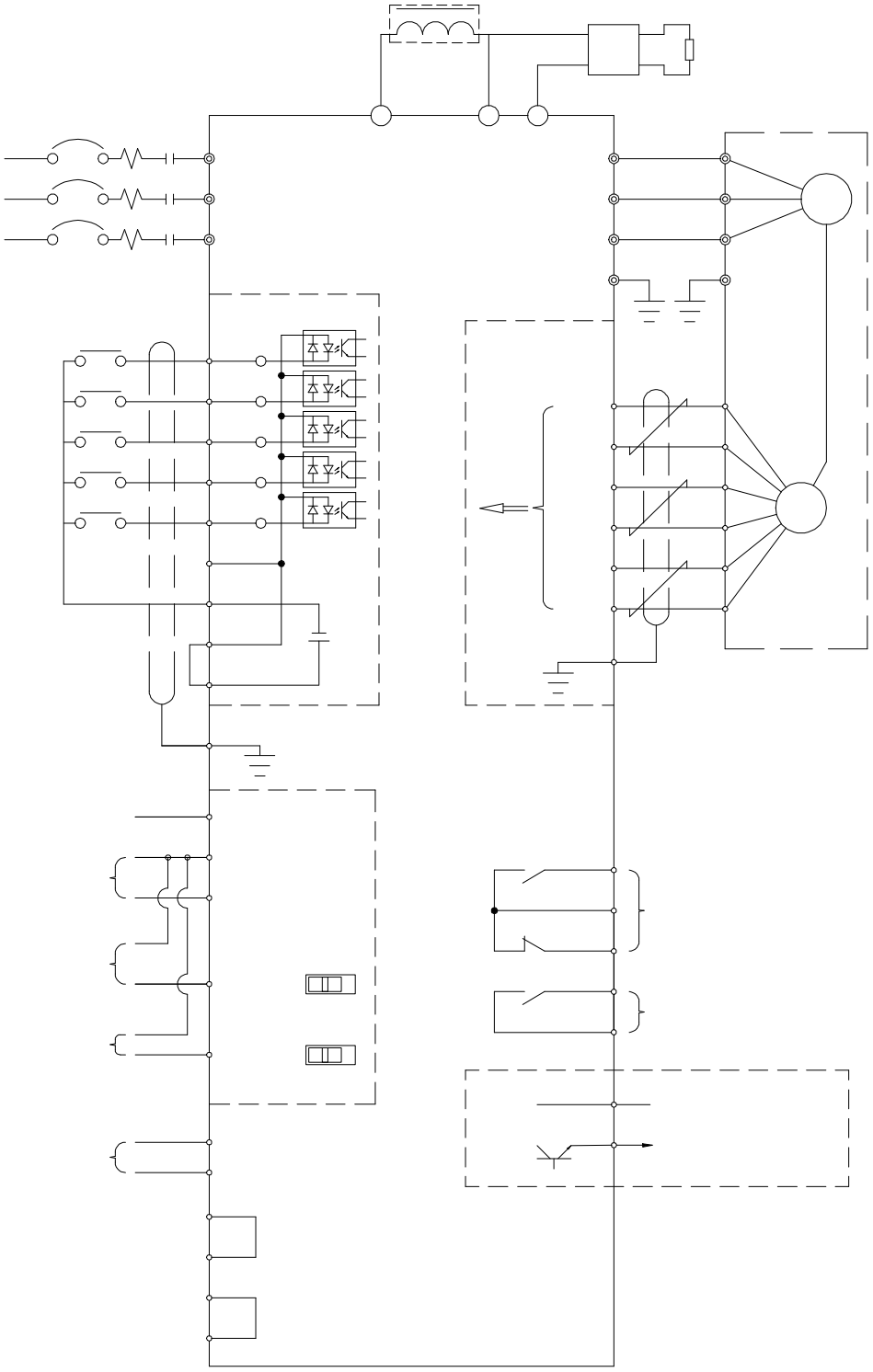


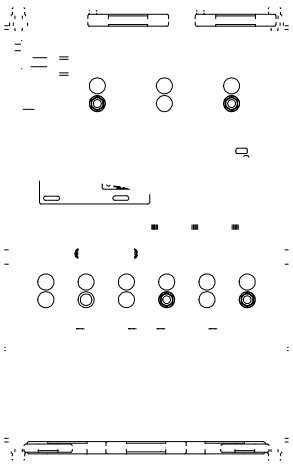


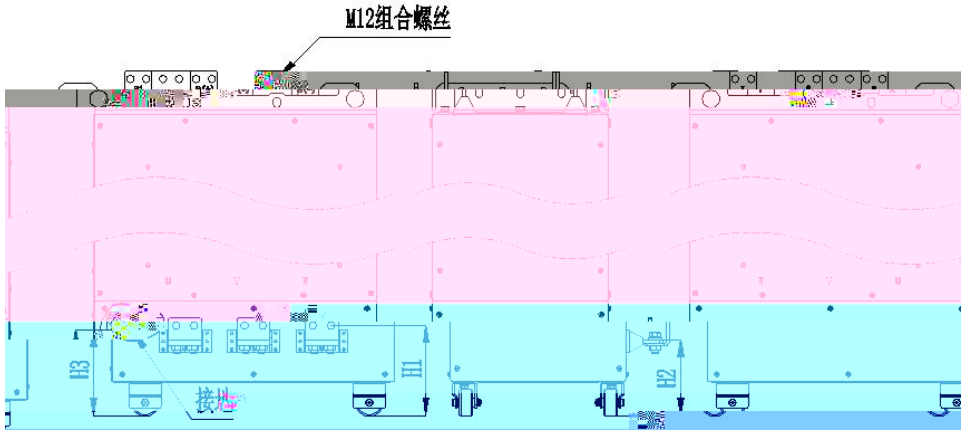
	A	/ mm²	A

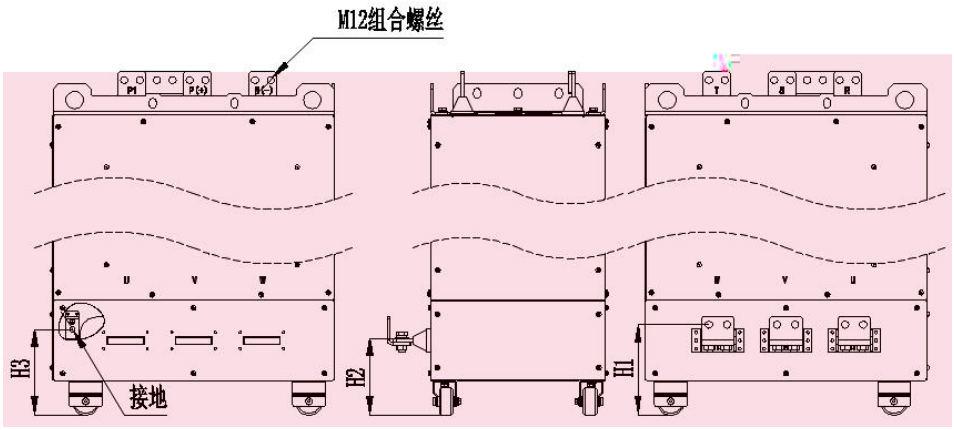


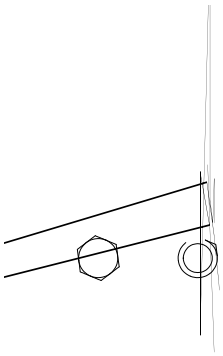


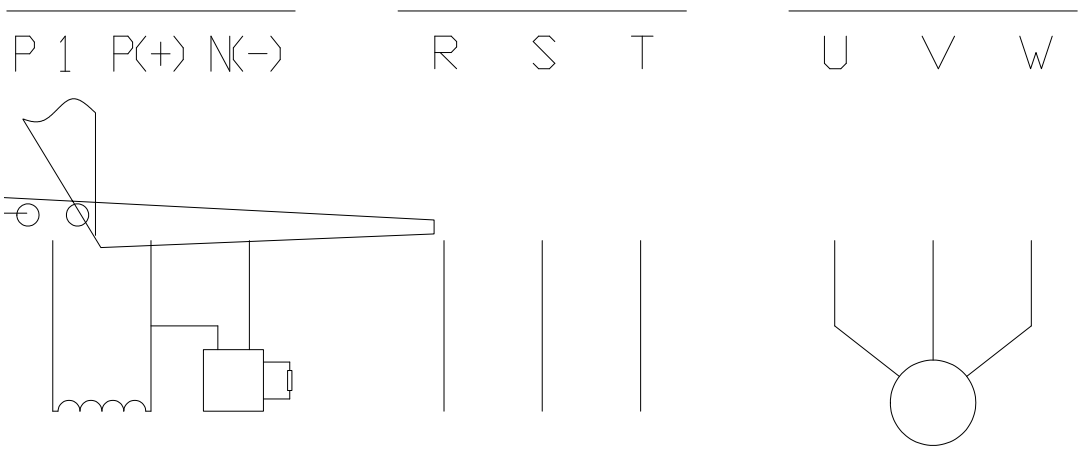


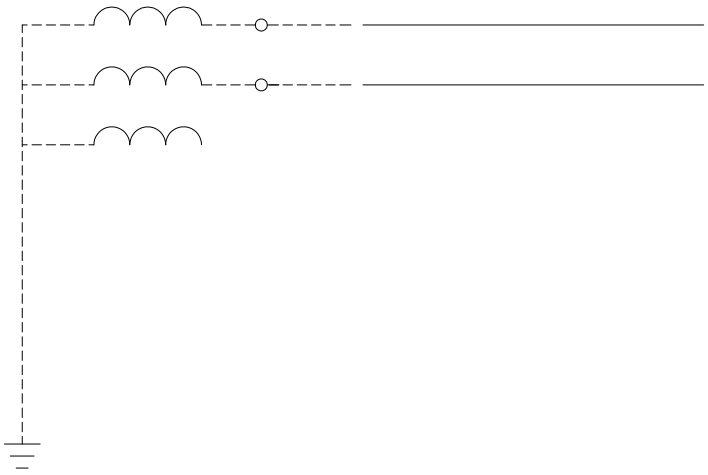


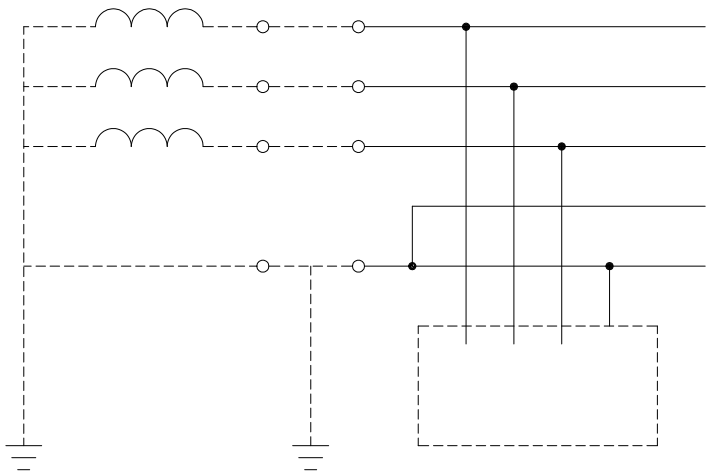

M12组合螺丝
H3
H1
H2
接地

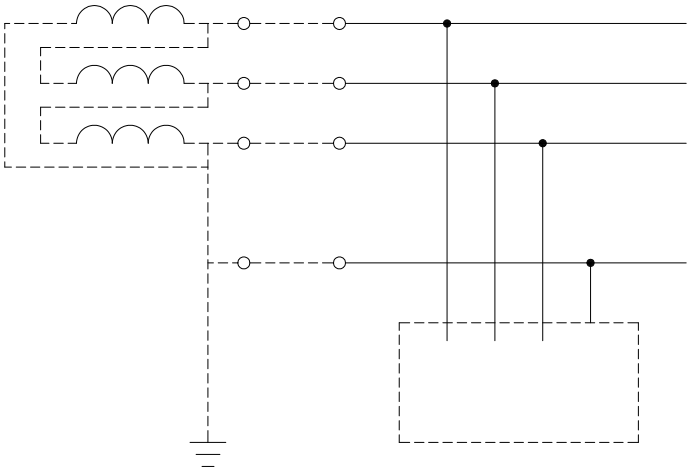

M12组合螺丝
H3
接地
H2
H1

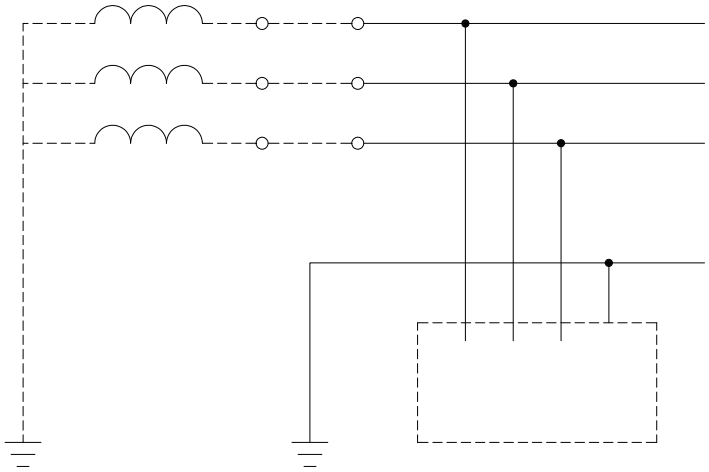


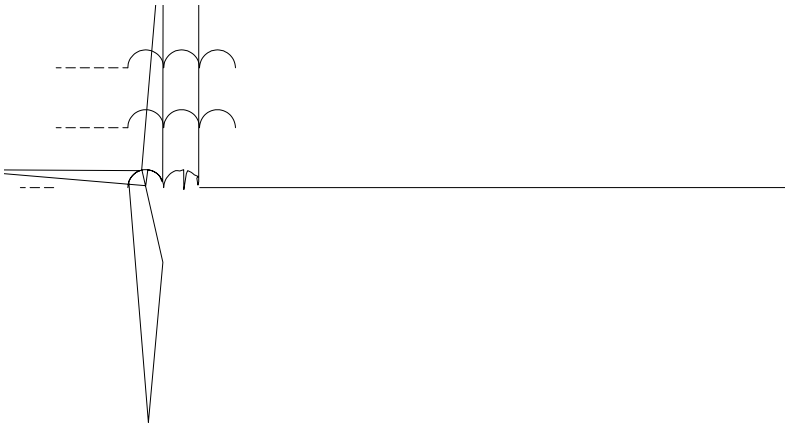

P 1 P(+) N(-)
R S T
U V W

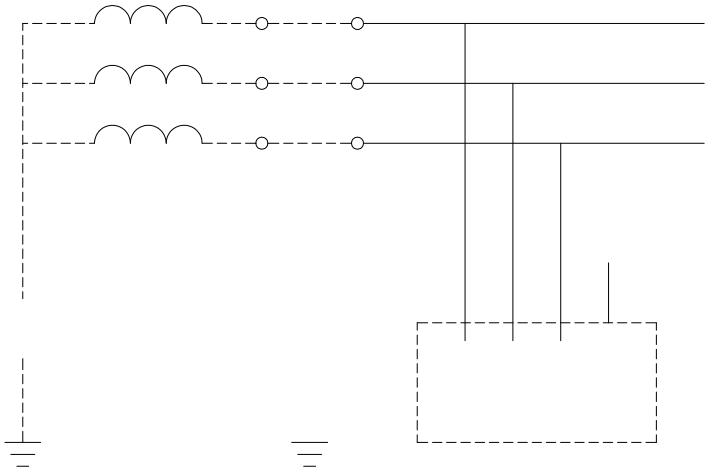


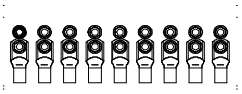


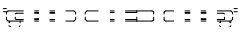


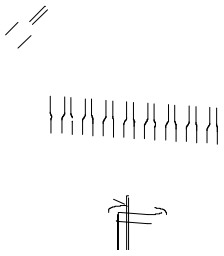


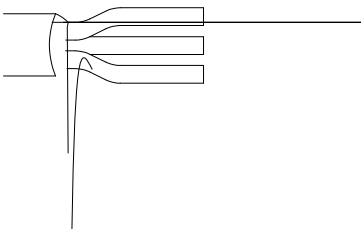


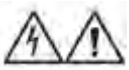


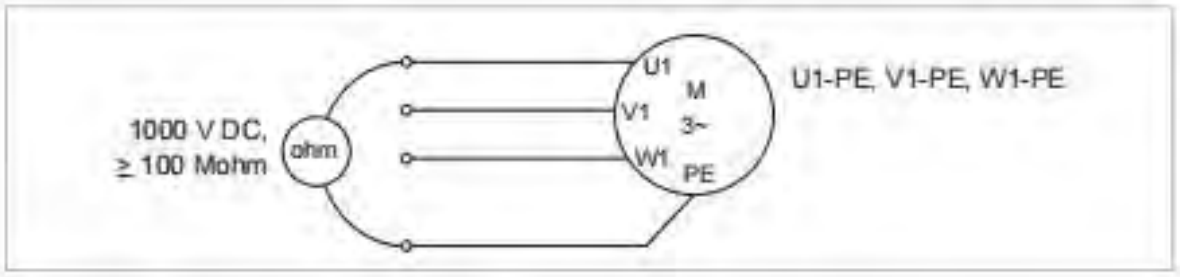


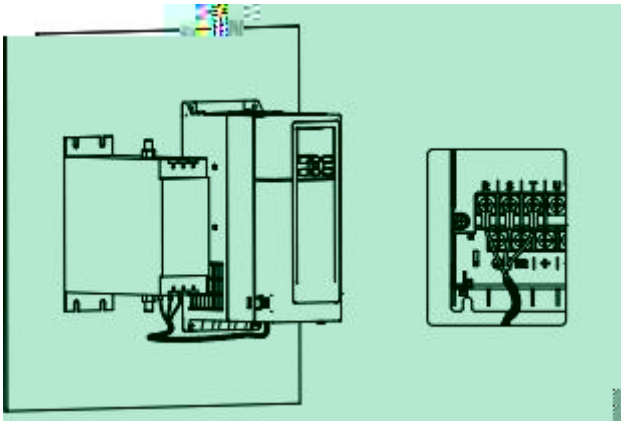


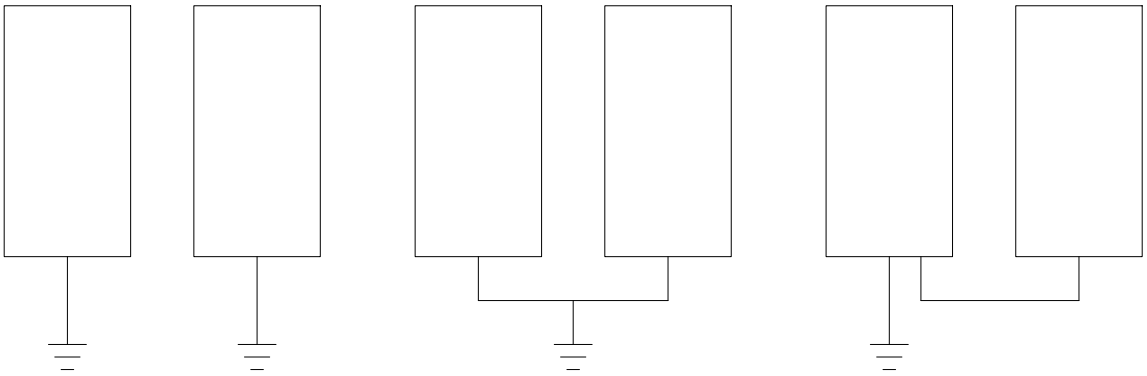


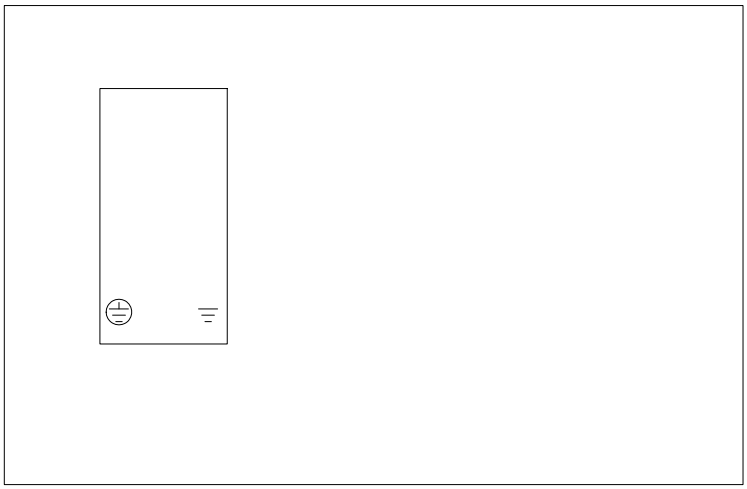


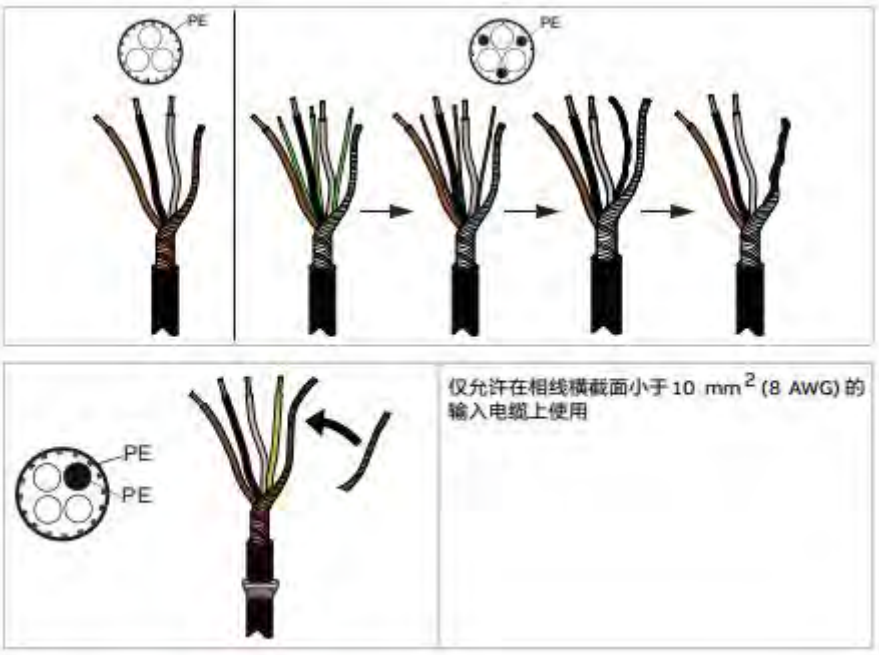


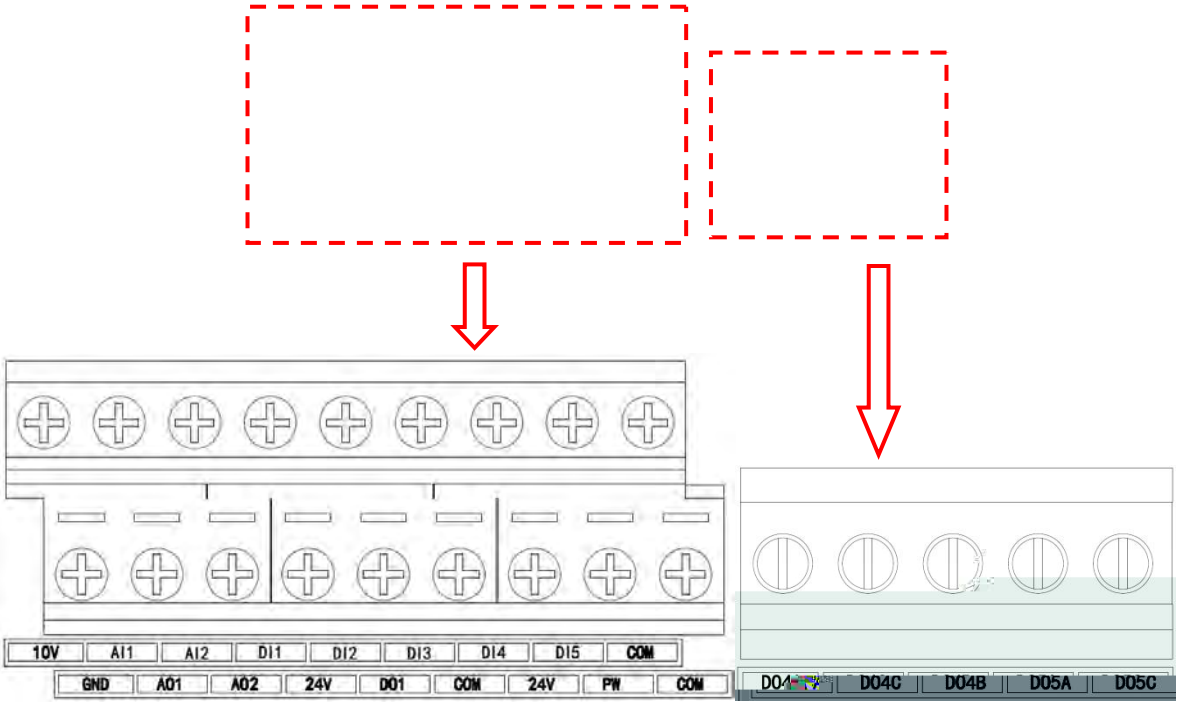

1000 V DC,
≥ 100 Mohm
ohm
U1
V1
W1
M
3~
PE
U1-PE, V1-PE, W1-PE

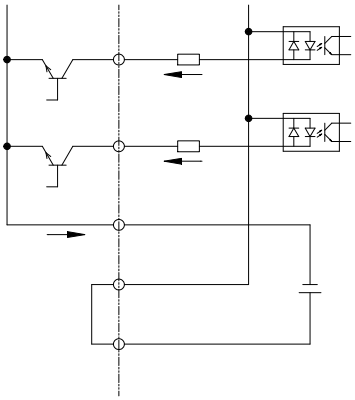


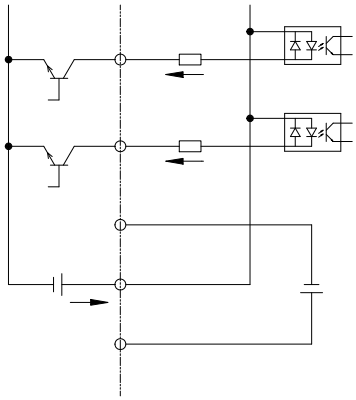


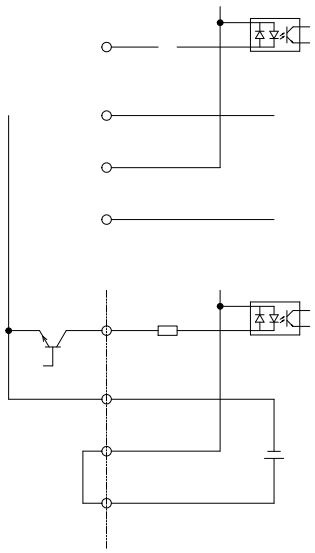


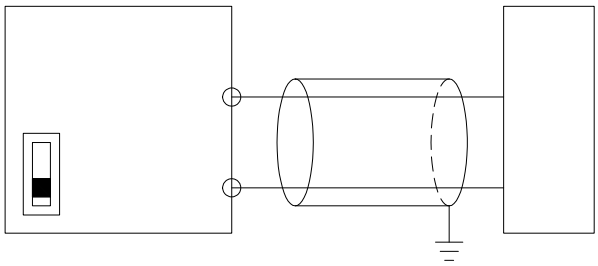

PE
PE
PE
PE
仅允许在相线横截面小于 10 mm² (8 AWG) 的输入电缆上使用

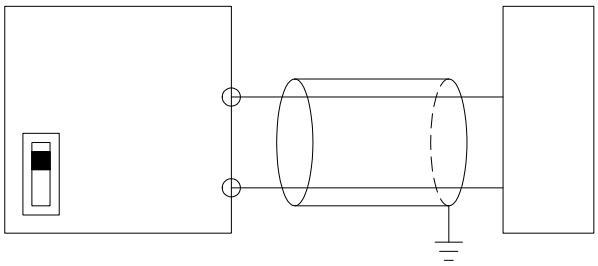

10V
AI1
AI2
DI1
DI2
DI3
DI4
DI5
COM
GND
AO1
AO2
24V
DO1
COM
24V
PW
COM
DO4C
DO4B
DO5A
DO5C

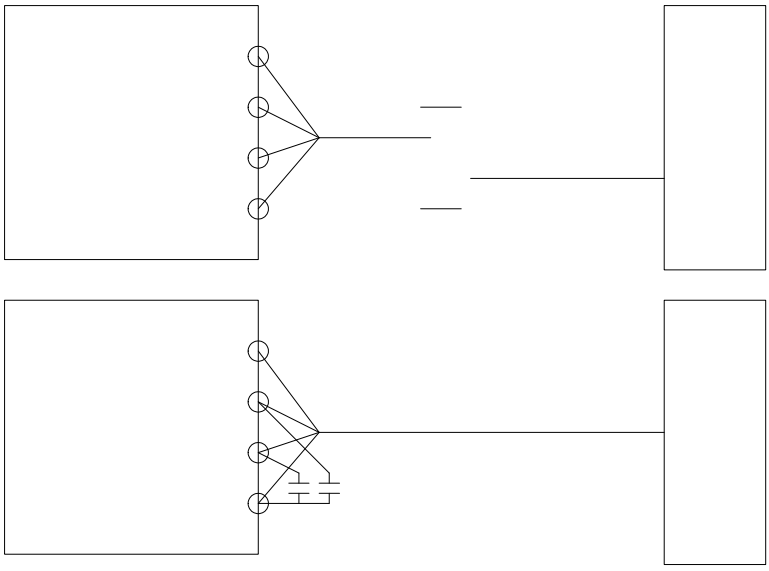


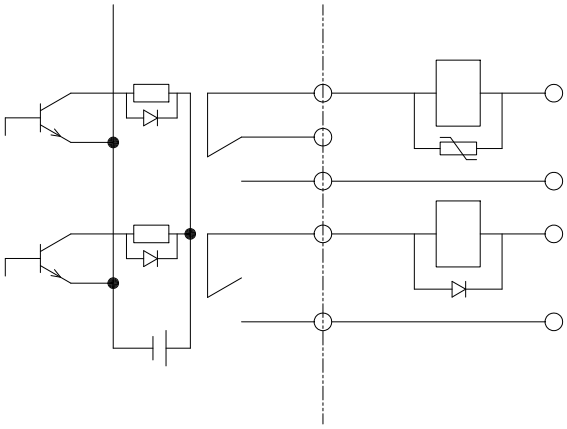


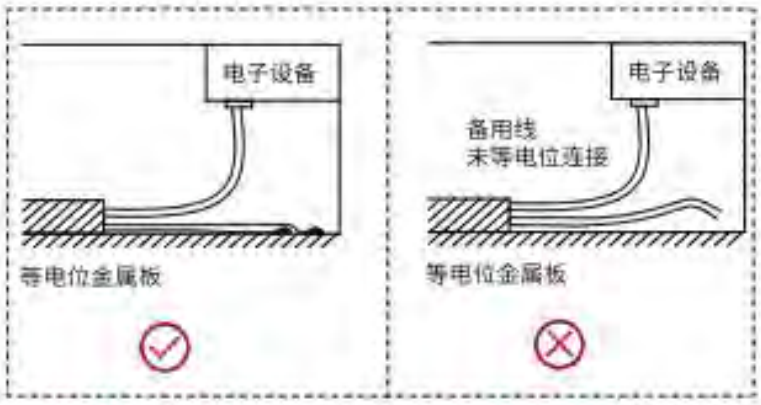


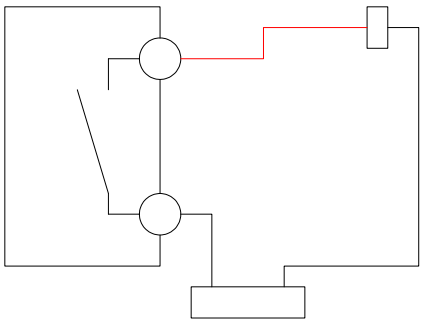


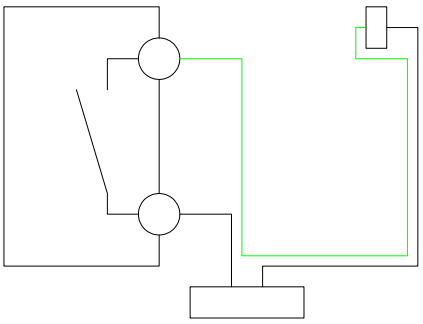


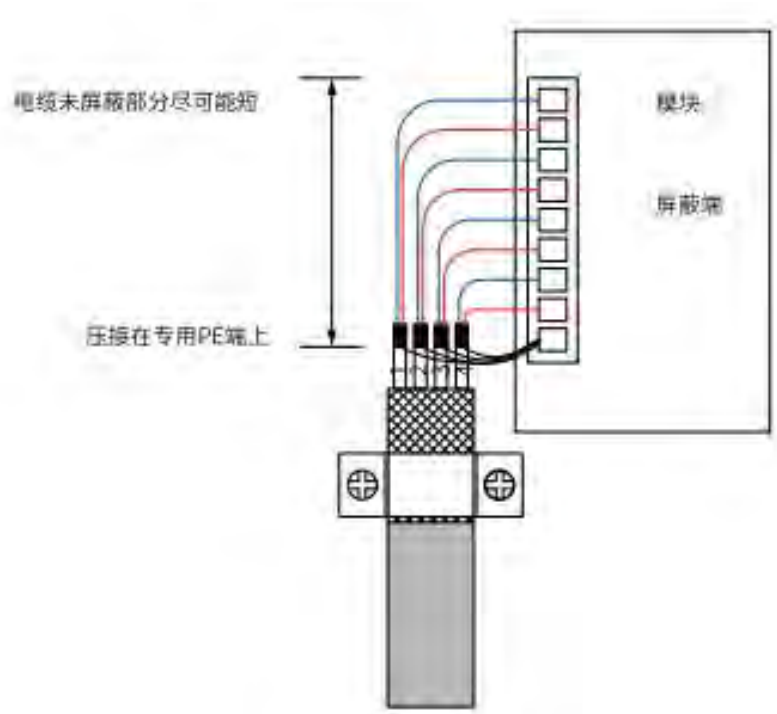




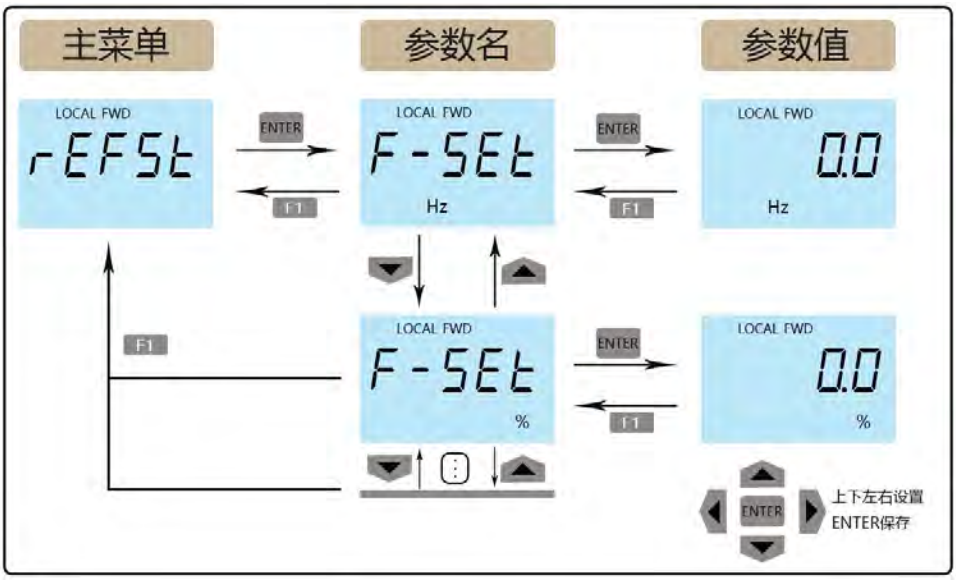

电子设备
等电位金属板
电子设备
备用线
未等电位连接
等电位金属板

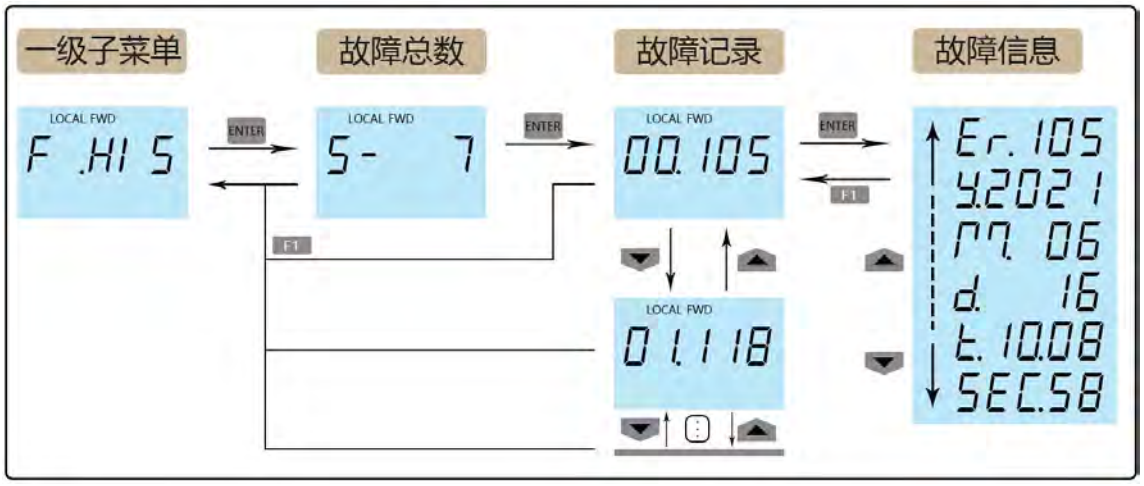


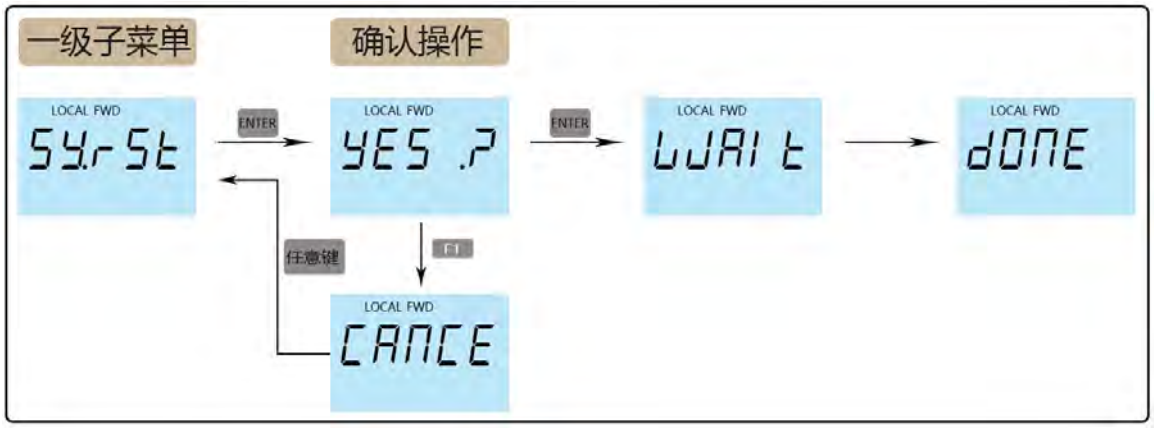


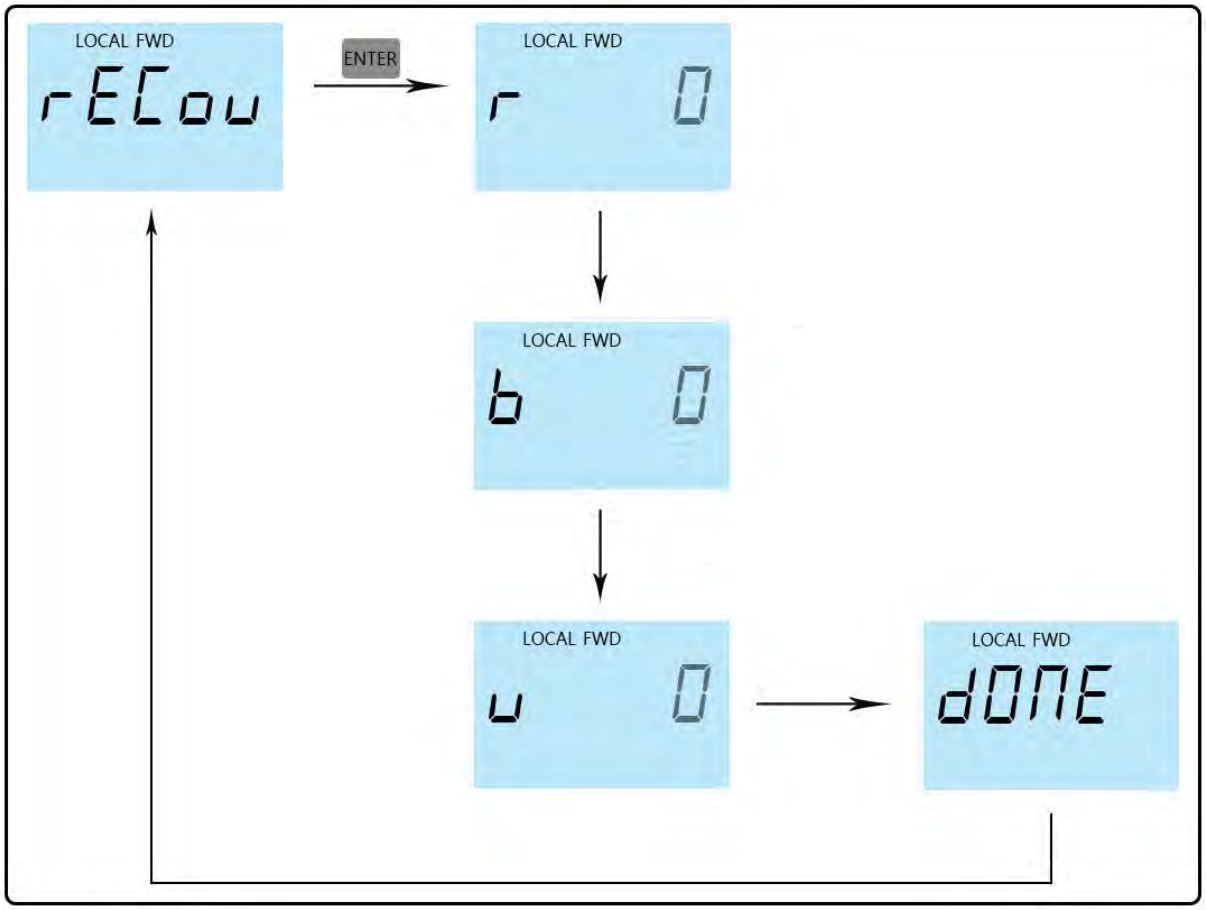

电缆未屏蔽部分尽可能短
压接在专用PE端上
模块
屏蔽端

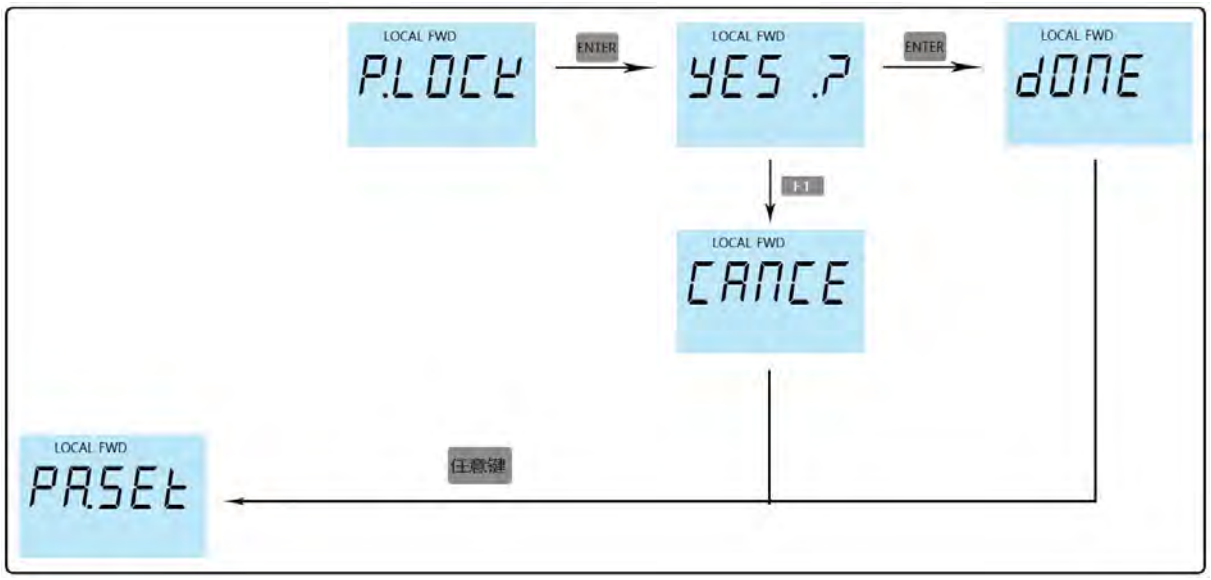
F1		
LOC/REM		
F2		
ENTER		
RUN		
STOP		

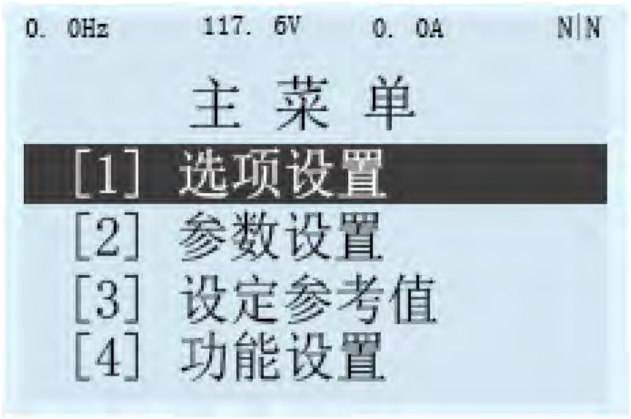

主菜单
参数名
参数值
LOCAL FWD
rEFSt
ENTER
F1
F-SEt
Hz
0.0
%
上下左右设置
ENTER保存

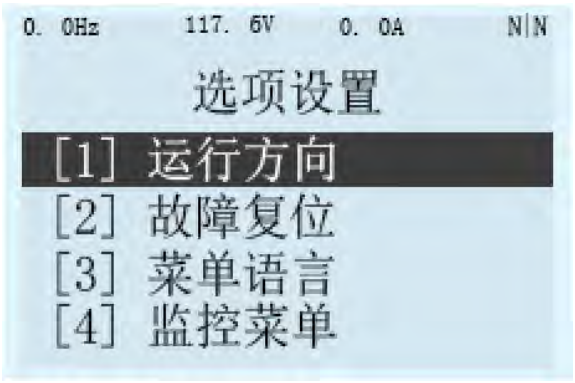

一级子菜单
故障总数
故障记录
故障信息
LOCAL FWD
F .HI 5
ENTER
LOCAL FWD
5- 7
ENTER
LOCAL FWD
00.105
ENTER
F1
LOCAL FWD
01.118
Er.105
y.2021
07. 06
d. 16
t.10.08
SEC.58
F1

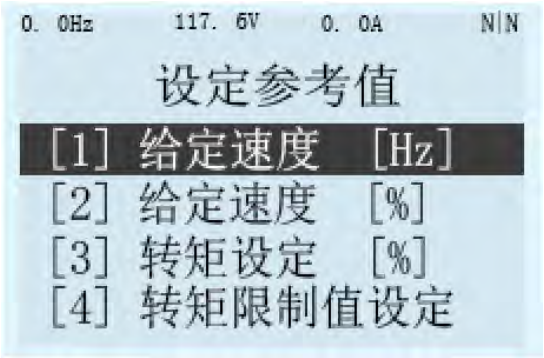

一级子菜单
确认操作
LOCAL FWD
SYSt
ENTER
LOCAL FWD
YES .P
ENTER
LOCAL FWD
WAIt
LOCAL FWD
dONE
任意键
F1
LOCAL FWD
CANCE

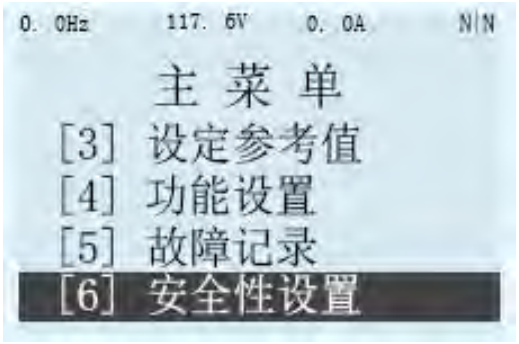

LOCAL FWD
rECou
ENTER
LOCAL FWD
r 0
LOCAL FWD
b 0
LOCAL FWD
u 0
LOCAL FWD
dONE

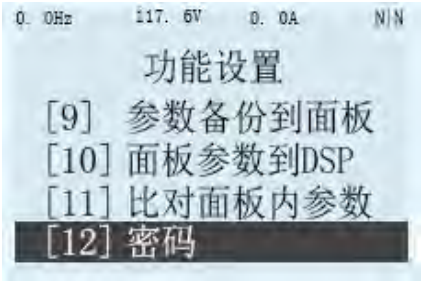

LOCAL FWD
P.LOCL
ENTER
LOCAL FWD
YES .P
ENTER
LOCAL FWD
dONE
F1
LOCAL FWD
CANCE
LOCAL FWD
P.SEL
任意键

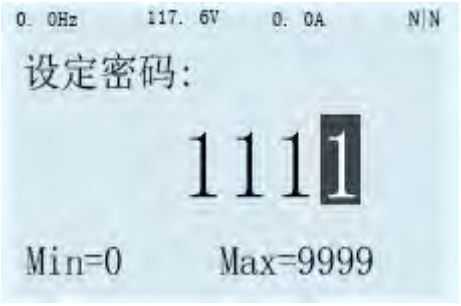

0. 0Hz
117. 6V
0. 0A
N|N
主 菜 单
[1] 选项设置
[2] 参数设置
[3] 设定参考值
[4] 功能设置

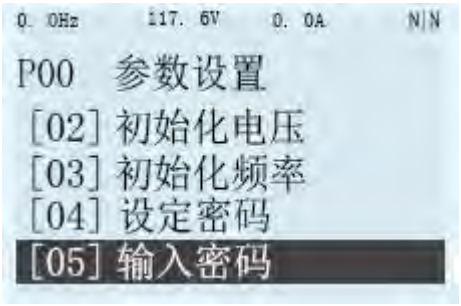

0. 0Hz
117. 6V
0. 0A
N|N
选项设置
[1] 运行方向
[2] 故障复位
[3] 菜单语言
[4] 监控菜单

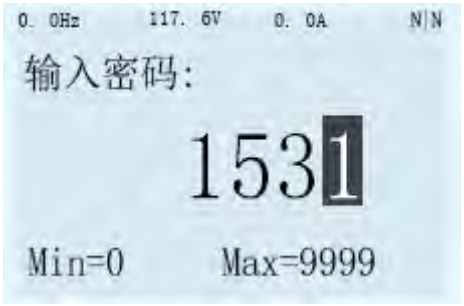

0. 0Hz
117. 6V
0. 0A
N|N
设定参考值
[1] 给定速度 [Hz]
[2] 给定速度 [%]
[3] 转矩设定 [%]
[4] 转矩限制值设定

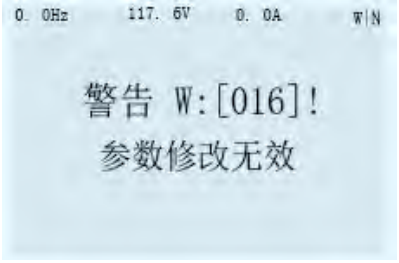

0. 0Hz
117. 6V
0. 0A
N|N
主 菜 单
[3] 设定参考值
[4] 功能设置
[5] 故障记录
[6] 安全性设置


0. 0Hz 117. 6V 0. 0A N|N
功能设置
[9] 参数备份到面板
[10] 面板参数到DSP
[11] 比对面板内参数
[12] 密码


0. 0Hz 117. 6V 0. 0A N|N
设定密码:
1111
Min=0 Max=9999


0. 0Hz 117. 6V 0. 0A N|N
P00 参数设置
[02] 初始化电压
[03] 初始化频率
[04] 设定密码
[05] 输入密码


0. 0Hz 117. 6V 0. 0A N|N
输入密码:
1531
Min=0 Max=9999

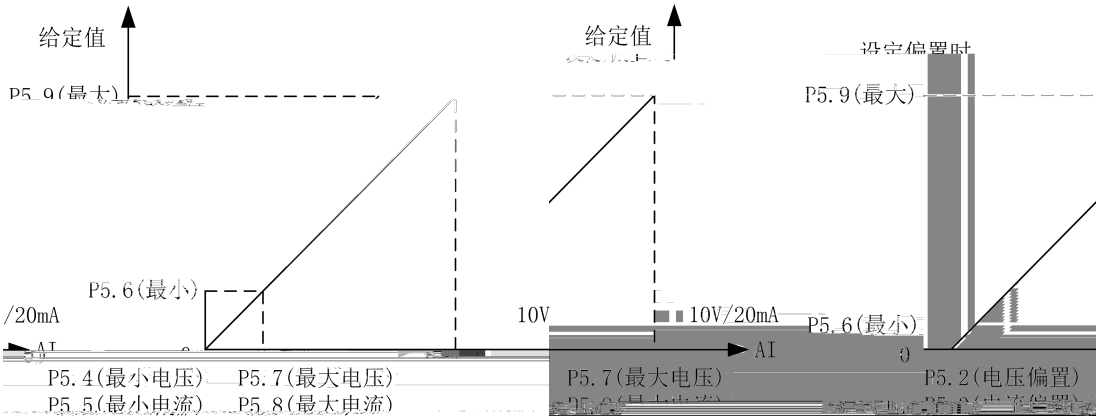

0. 0Hz 117. 6V 0. 0A W|N
警告 W:[016]!
参数修改无效

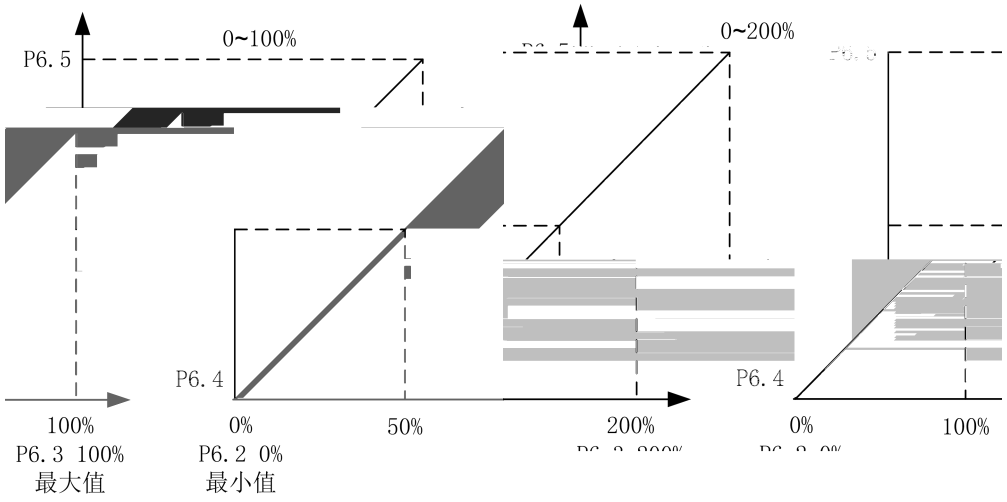
	LOCAL FWD 0.0 Hz	
	LOCAL FWD Er.105	
	COM.F	

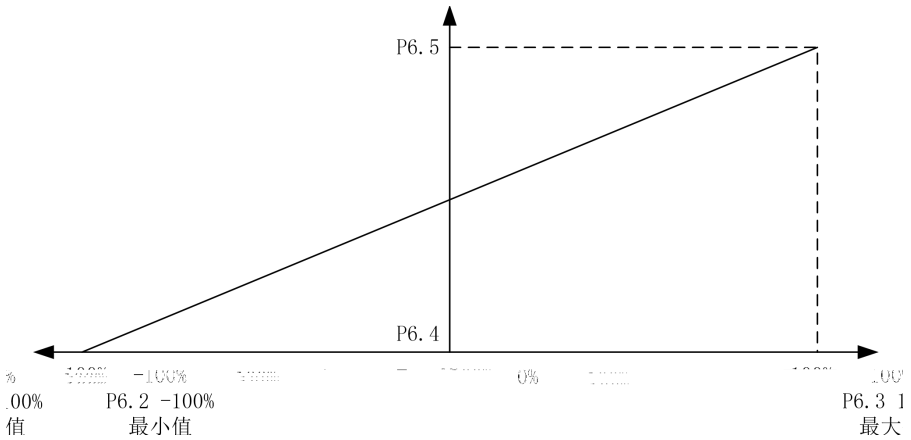
0 ΛB3

Â Q€Â ð Q „3 !Ó WB3

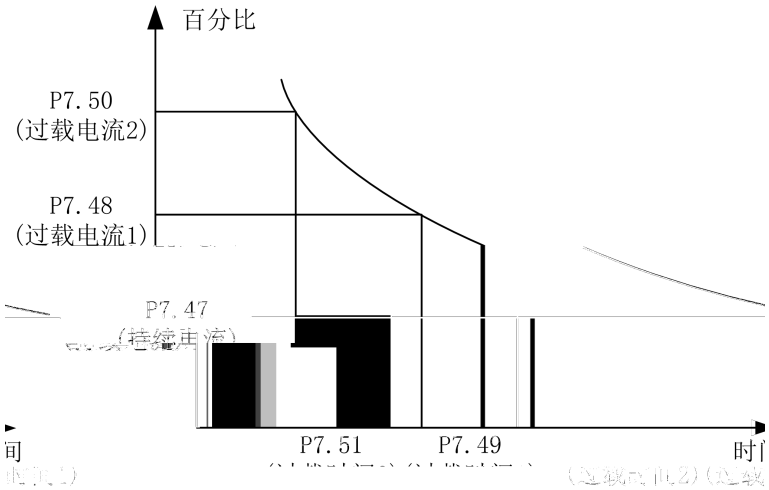
3 0 W B3


给定值
P5.9(最大)
P5.6(最小)
/20mA
AI
P5.4(最小电压)
P5.5(最小电流)
P5.7(最大电压)
P5.8(最大电流)
给定值
P5.9(最大)
10V
10V/20mA
P5.6(最小)
AI
P5.7(最大电压)
P5.2(电压偏置)


P6.5
0~100%
P6.4
100%
P6.3 100%
最大值
0%
P6.2 0%
最小值
50%
0~200%
200%
P6.4
0%
100%

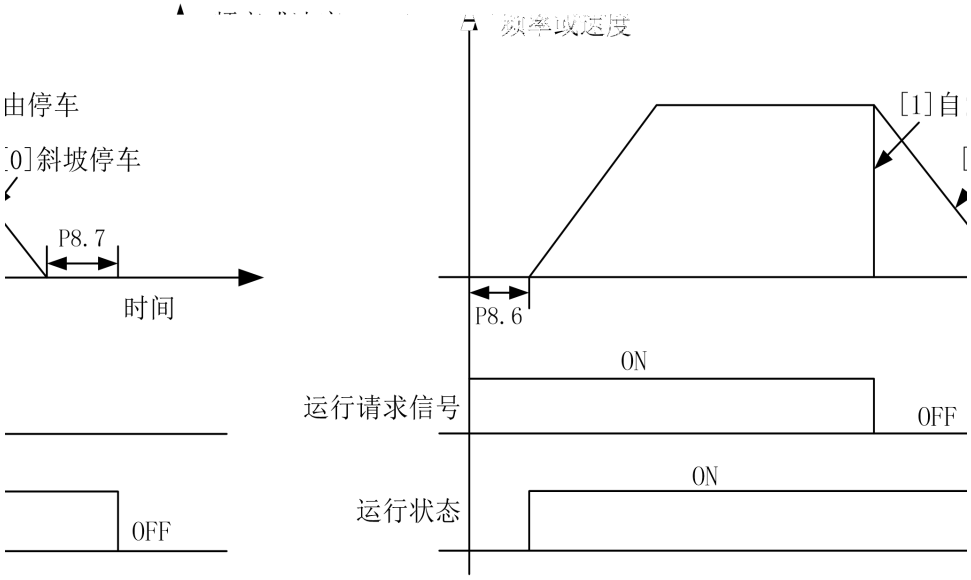

P6.5
P6.4
P6.2 -100%
最小值
P6.3 1
最大

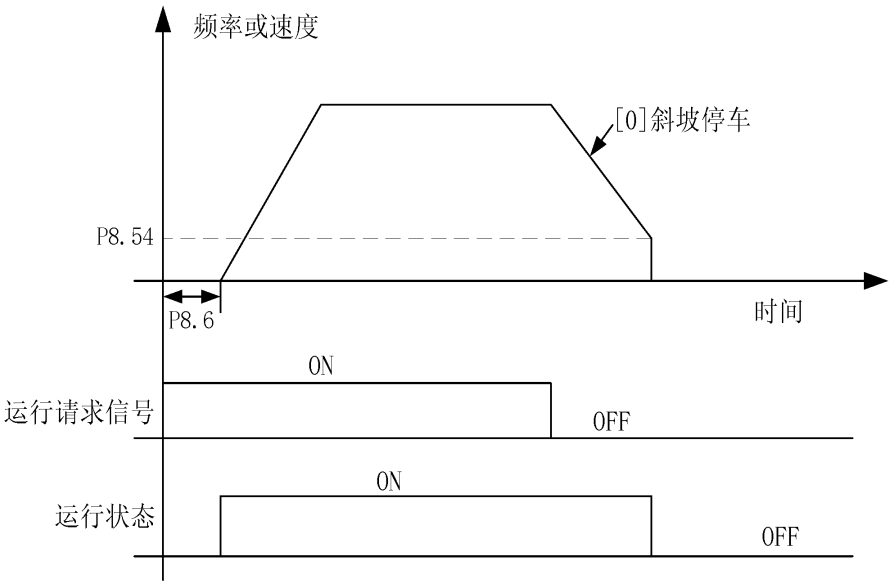
$$I_a + I_b + I_c$$

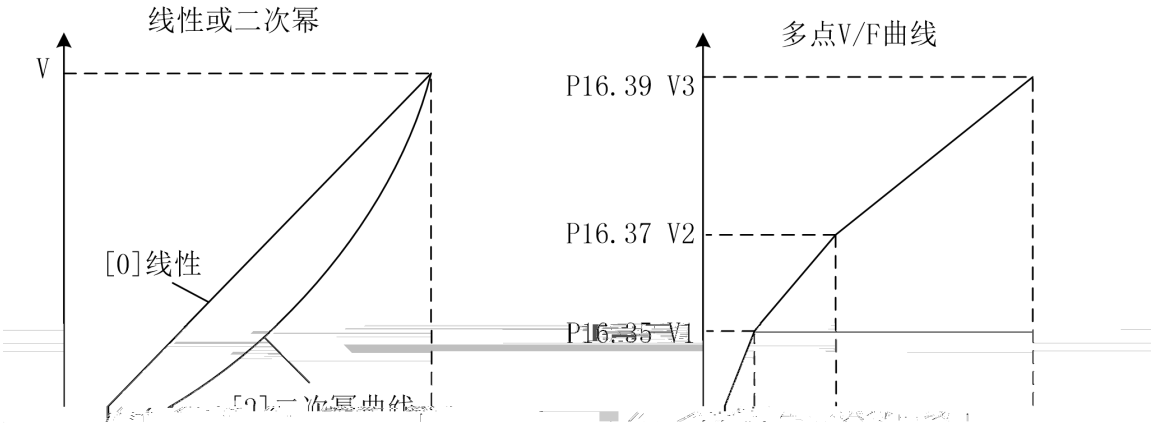

百分比
P7.50
(过载电流2)
P7.48
(过载电流1)
P7.47
P7.51
P7.49

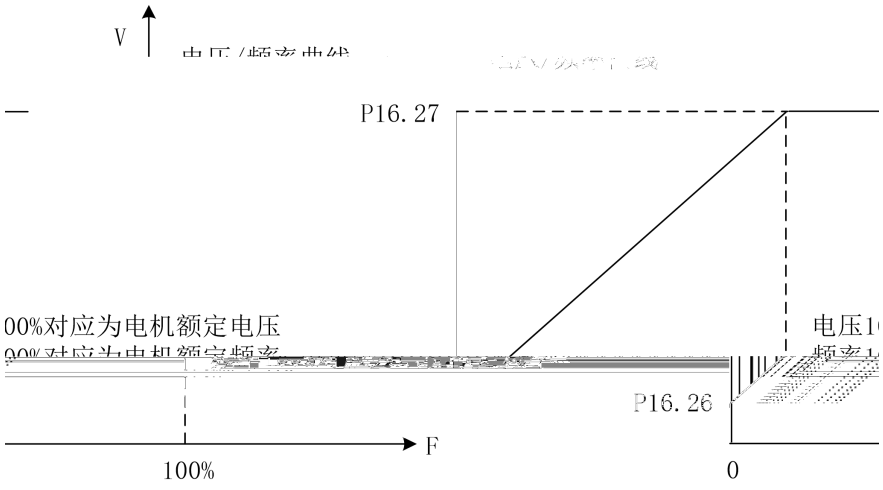
$$\sqrt{\qquad} \quad + \quad +$$

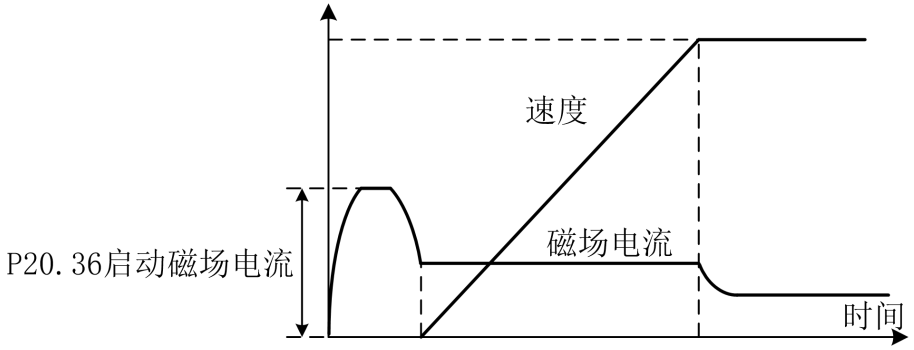
$$\sqrt{\qquad} \quad + \quad +$$

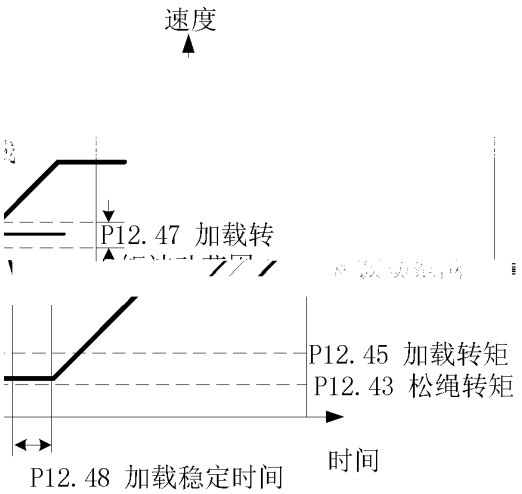

频率或速度
由停车
[0]斜坡停车
[1]自
P8.7
时间
P8.6
ON
运行请求信号
OFF
ON
运行状态
OFF

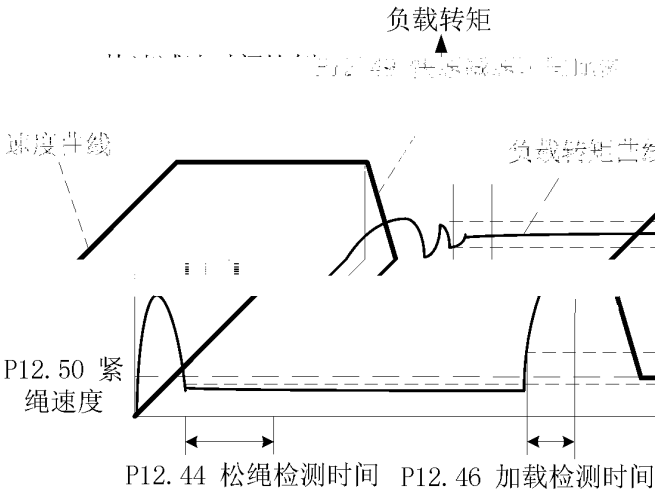

频率或速度
[0]斜坡停车
P8.54
P8.6
时间
ON
运行请求信号
OFF
ON
运行状态
OFF


线性或二次幂
V
[0]线性
多点V/F曲线
P16.39 V3
P16.37 V2
P16.35 V1

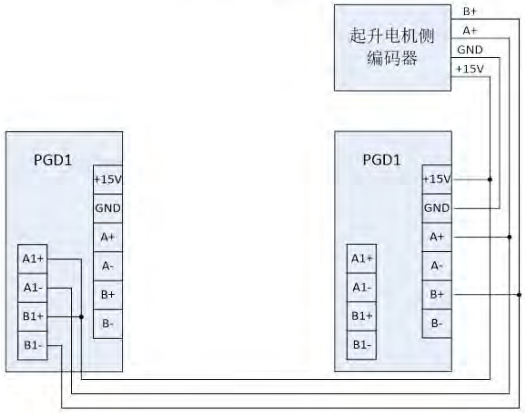

V
P16.27
P16.26
00%对应为电机额定电压
F
100%
0


速度
磁场电流
P20.36启动磁场电流
时间

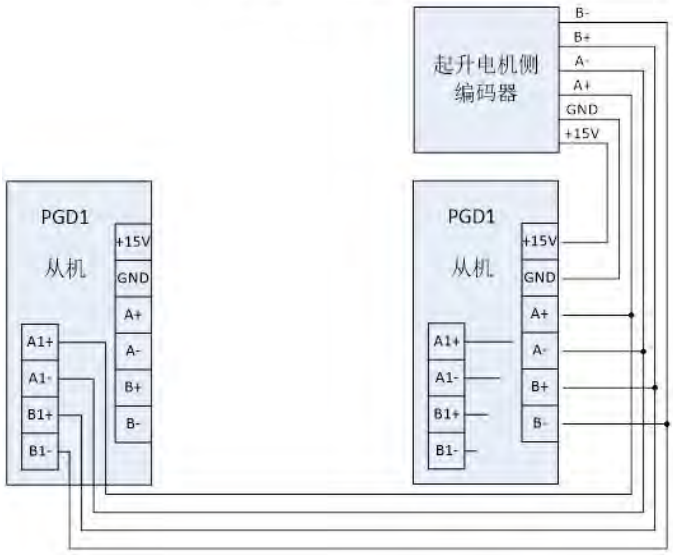

速度
P12.47 加载转
P12.45 加载转矩
P12.43 松绳转矩
时间
P12.48 加载稳定时间


负载转矩
速度斗线
P12.50 紧绳速度
P12.44 松绳检测时间
P12.46 加载检测时间

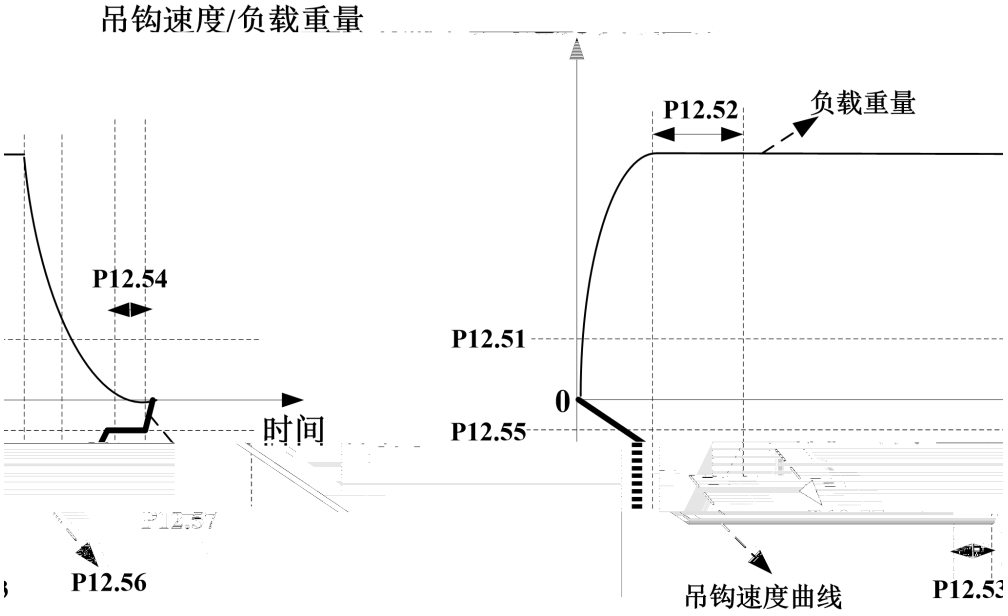
四线制编码器第二种接法

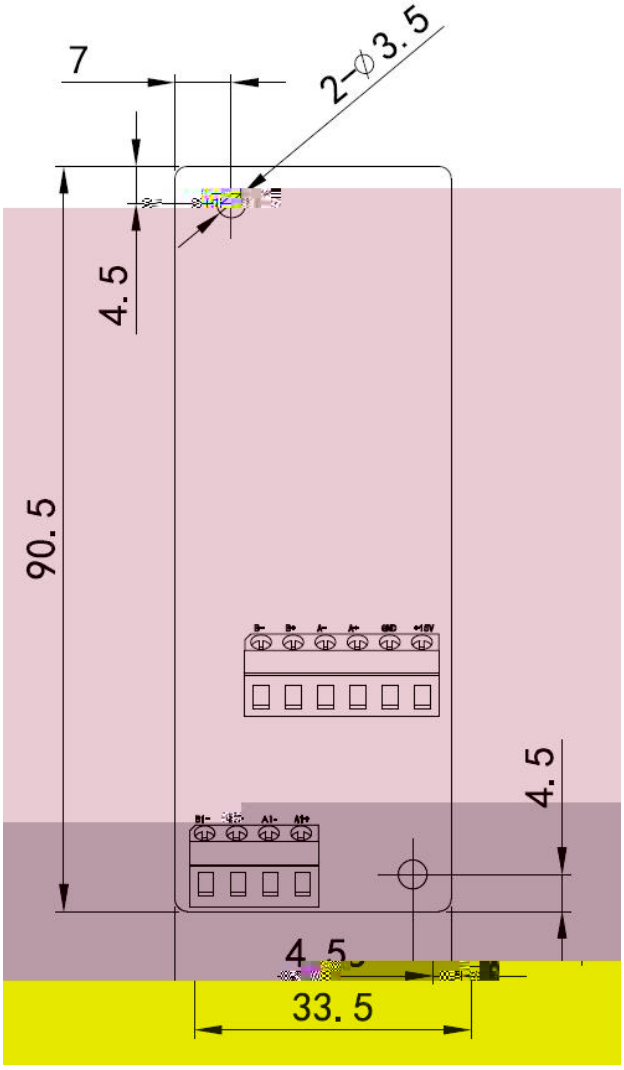


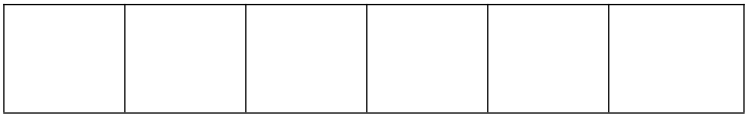
六线制编码器接法

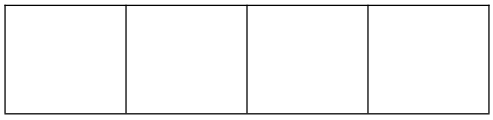


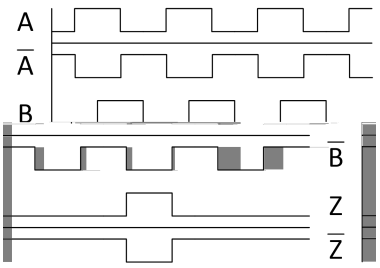
( ) ( )

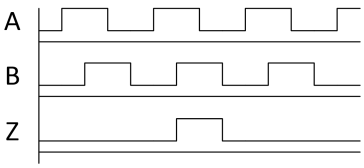

吊钩速度/负载重量
P12.52
负载重量
P12.54
P12.51
0
时间
P12.55
P12.56
吊钩速度曲线

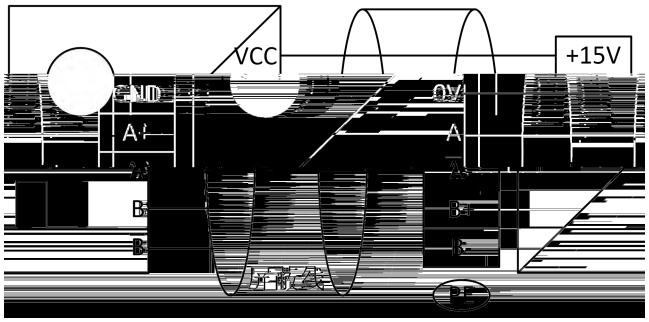

7
2-∅3.5
4.5
90.5
4.5
4.5
33.5

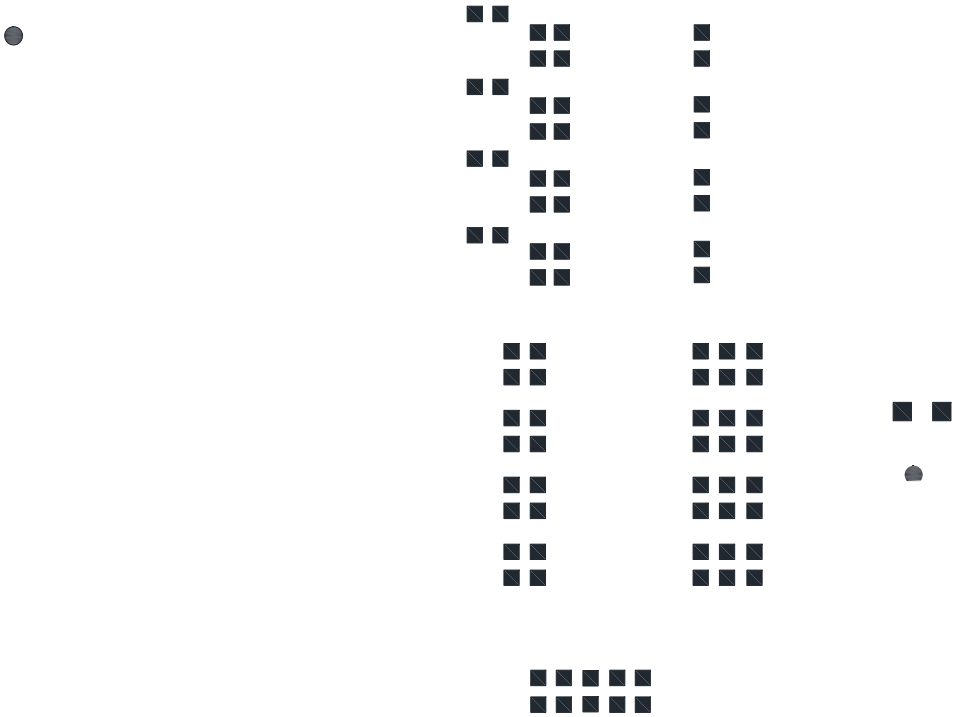


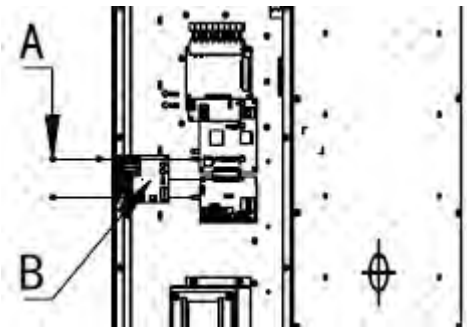



A
$\overline{A}$
B
$\overline{B}$
Z
$\overline{Z}$


A
B
Z

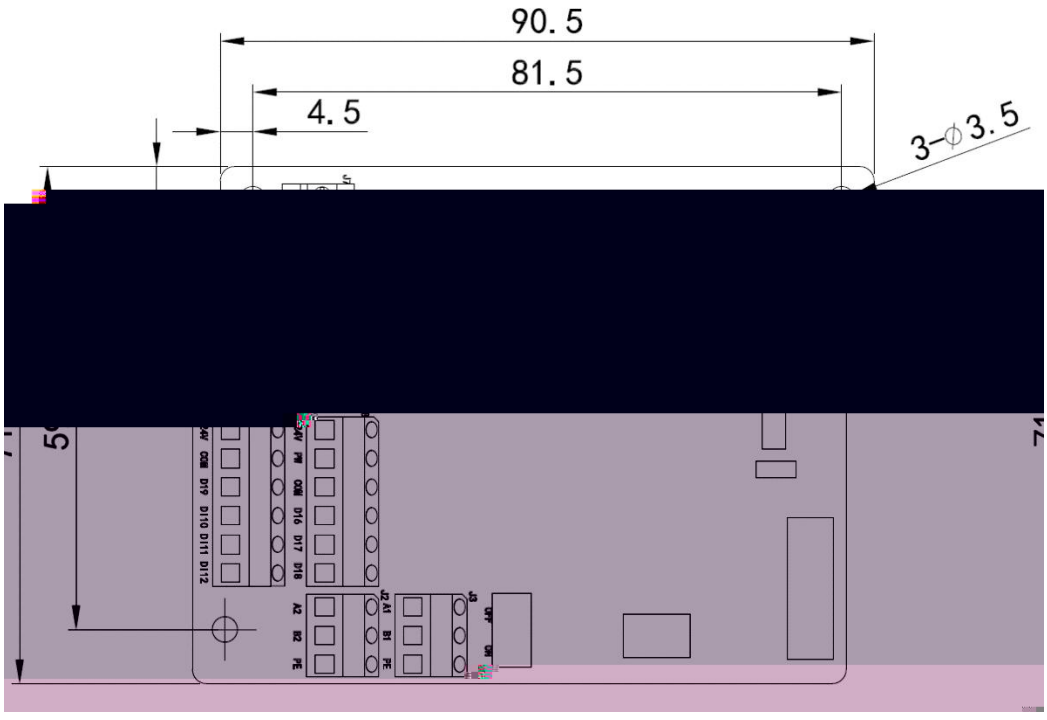

VCC
+15V
0V
A

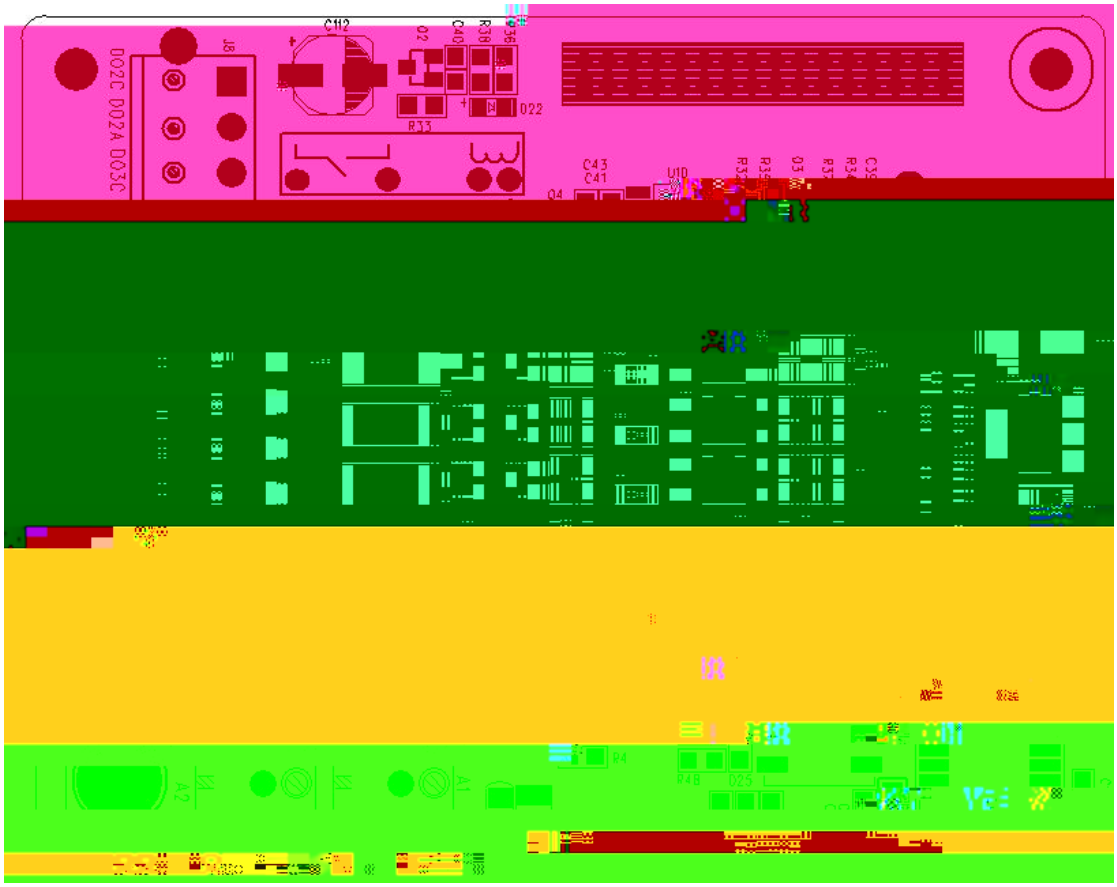


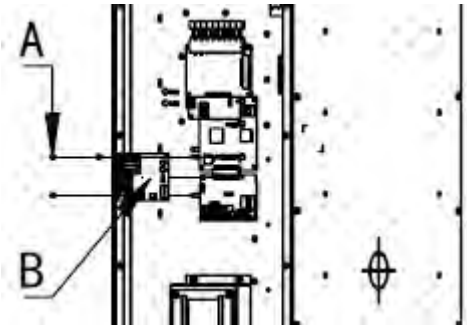


A-螺钉

B-IO扩展卡

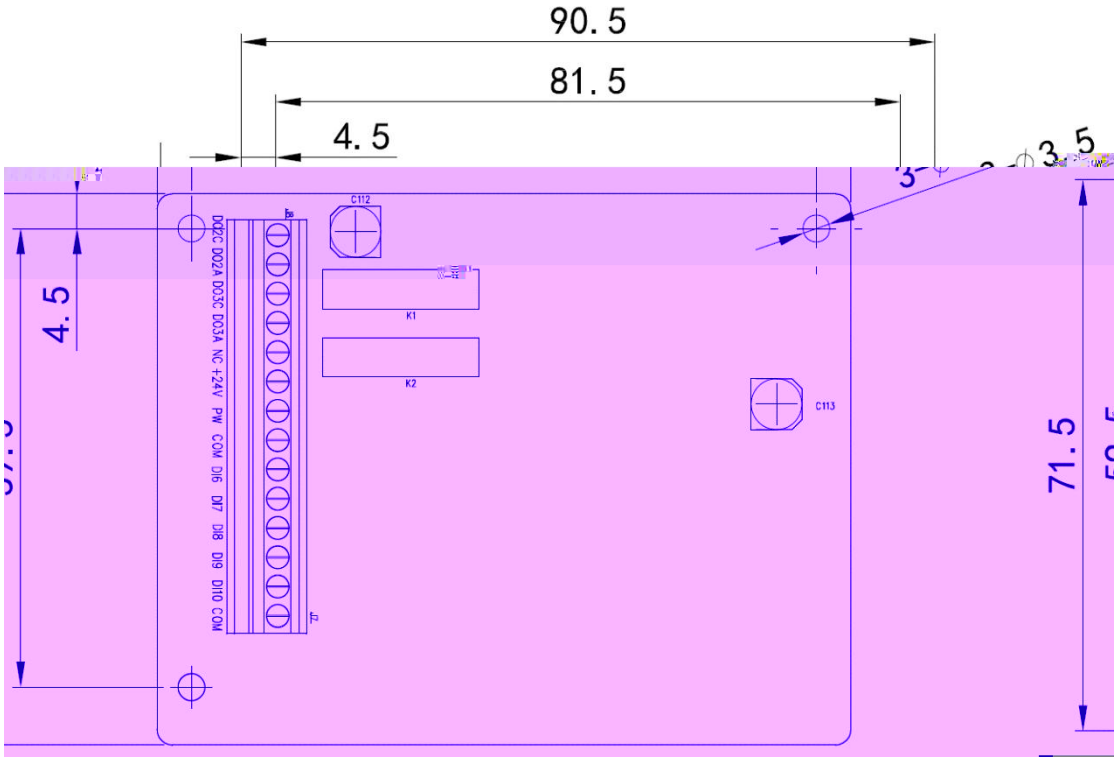

90.5
81.5
4.5
3-⌀3.5

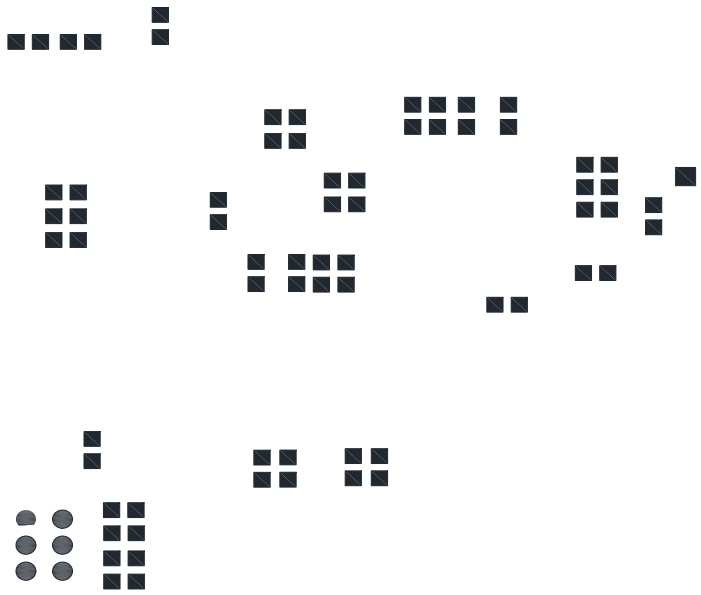

J8
C42
Q2
C40
R39
D22
R33
C43
C41
U10
Q4
R32
R35
Q3
R37
R34
C35
R38
R36
R40
R41
D25
P4
A2

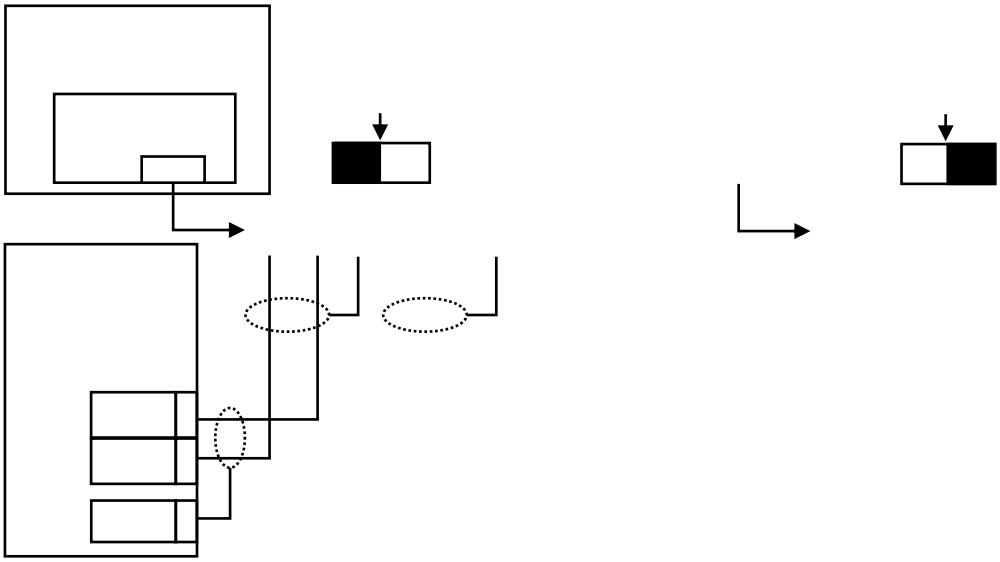


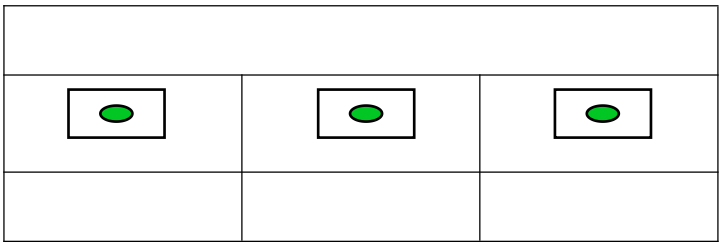
A-螺钉

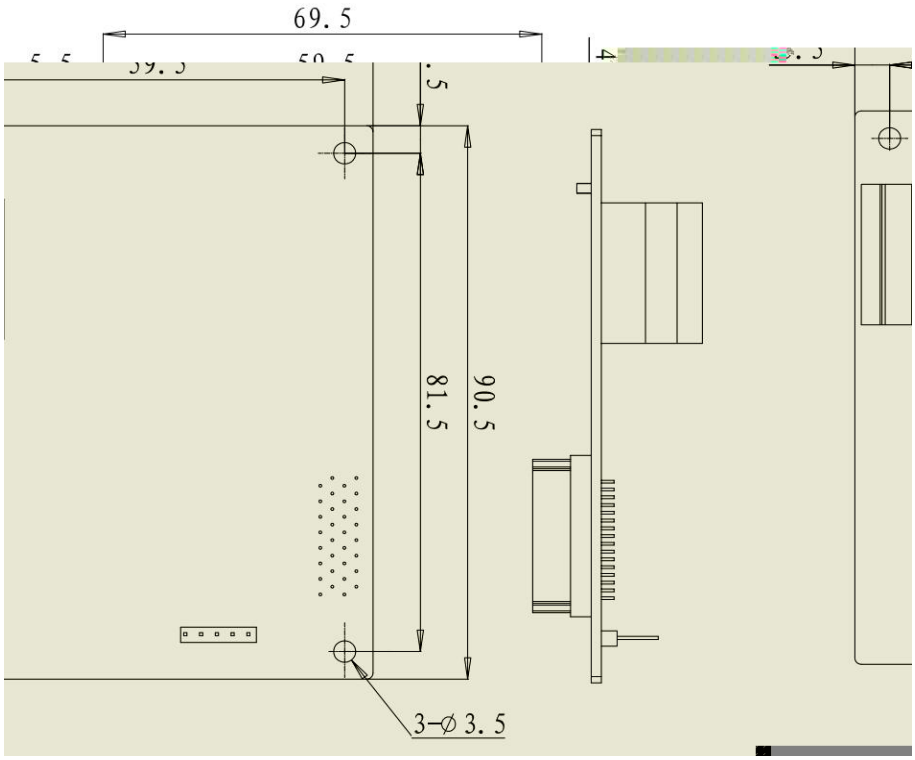
B-IO扩展卡

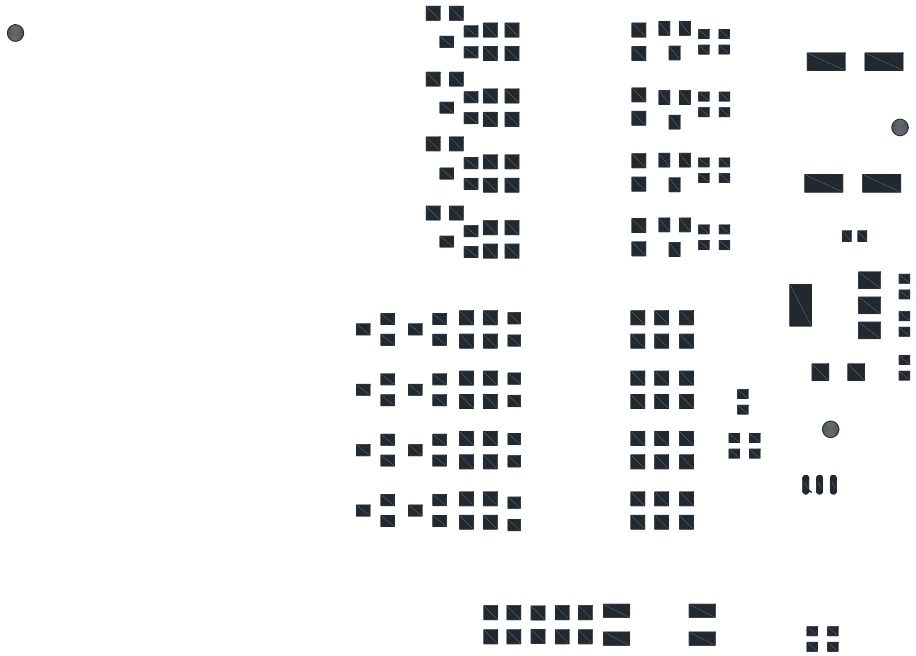

90.5
81.5
4.5
3.5
4.5
71.5
C112
C113
K1
K2
DO2C DO2A DO3C DO3A NC +24V PW COM DI6 DI7 DI8 DI9 DI10 COM

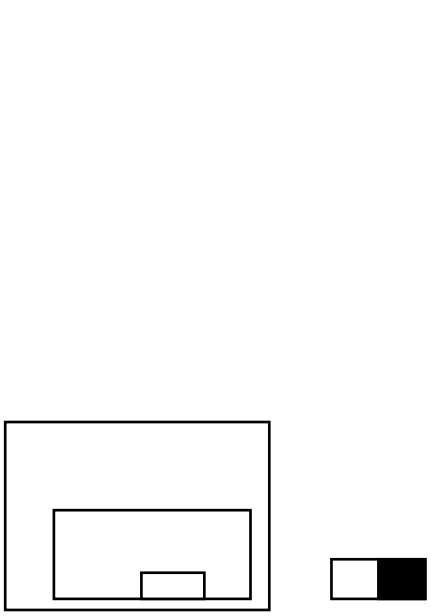


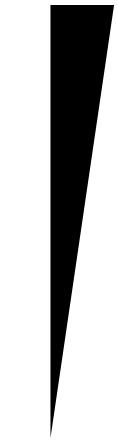


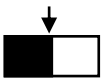


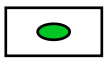
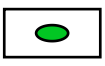
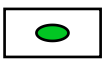

69.5
81.5
90.5
3-Ø3.5

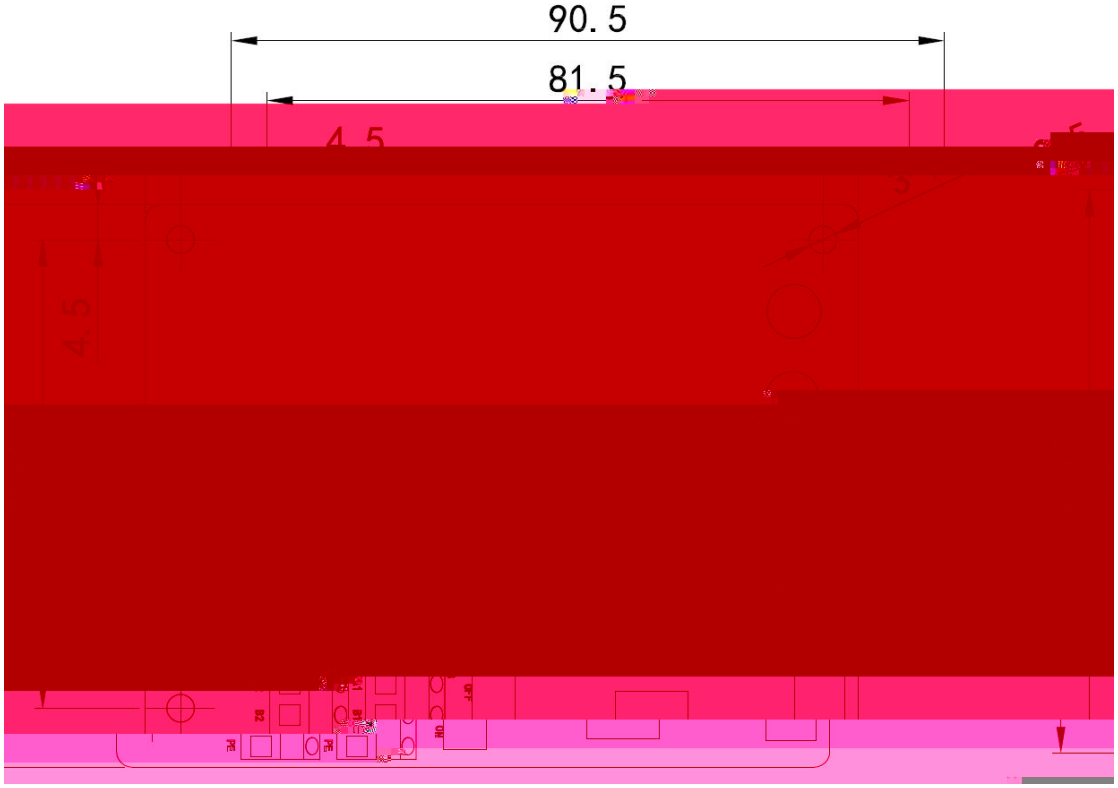






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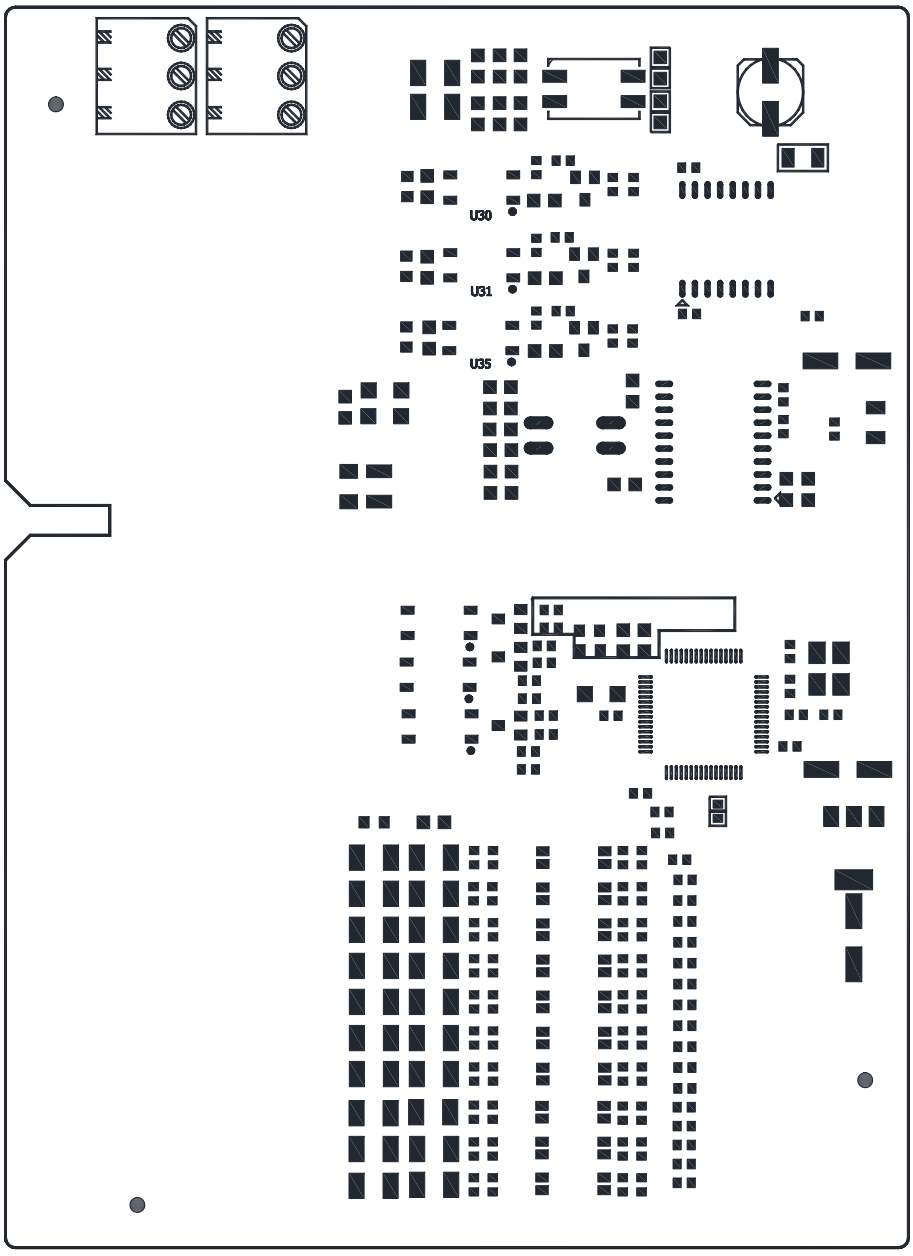
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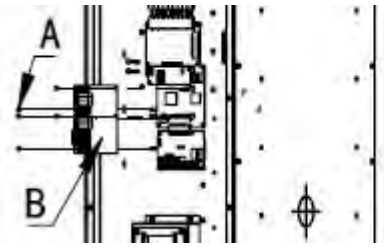
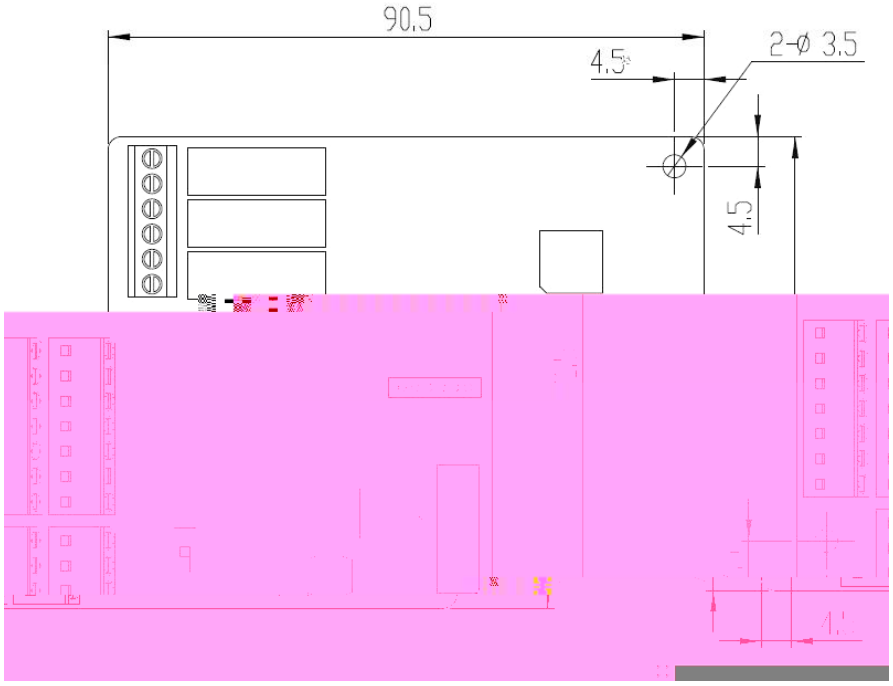


A-螺钉

B-工艺卡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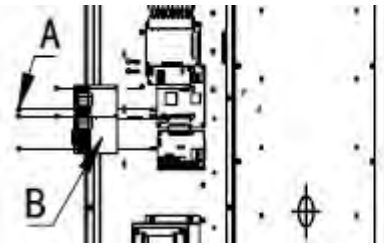
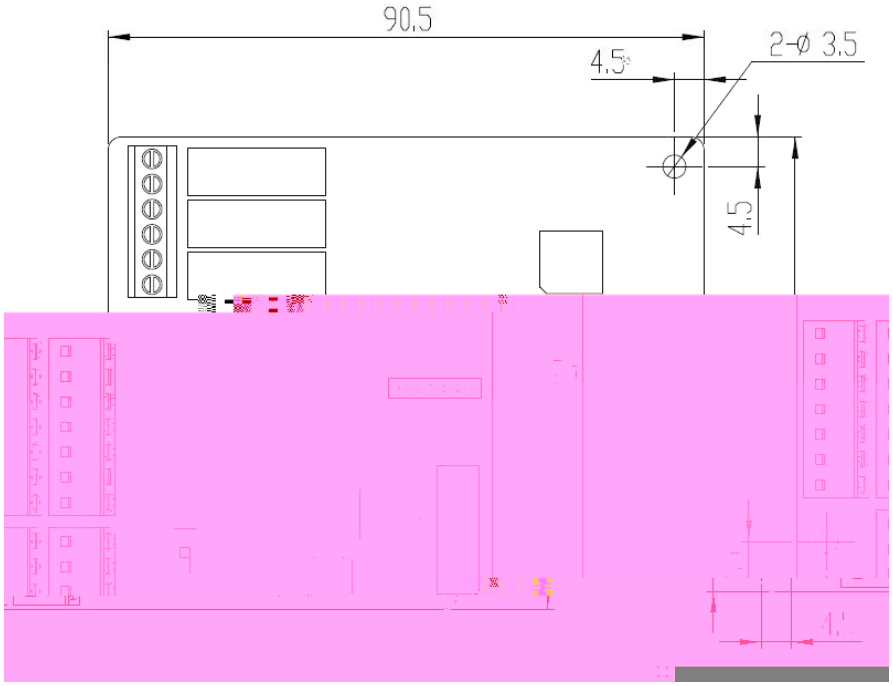


A-螺钉

B-工艺卡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