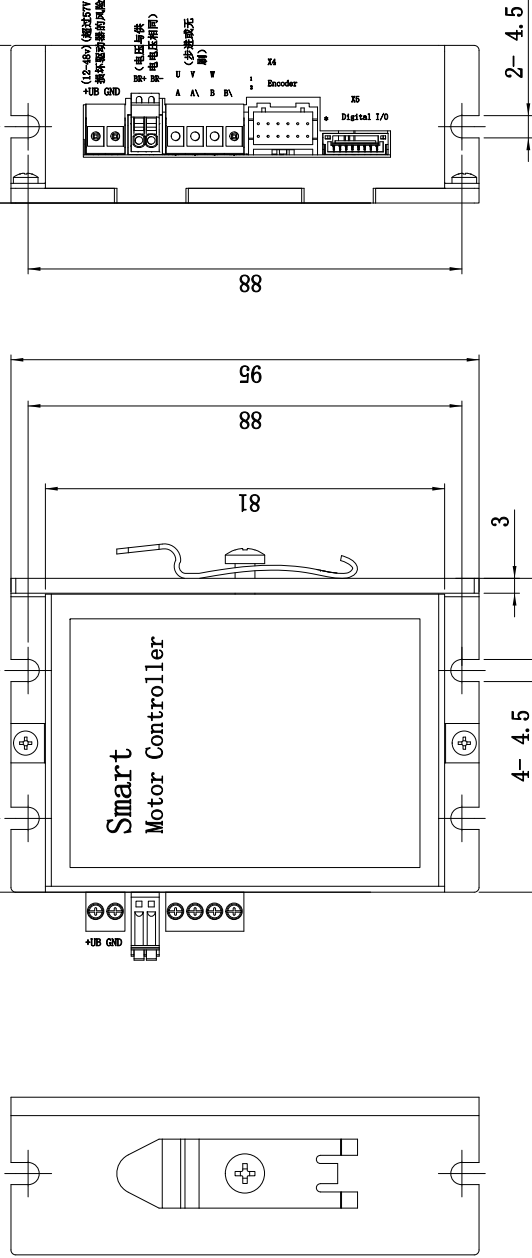


X4 Encoder

| Pin | Function  | Note                                                                     |
|-----|-----------|--------------------------------------------------------------------------|
| 1   | GND       |                                                                          |
| 2   | Vcc       | 5 V DC, output and supply voltage for encoder / Hall sensor; max. 200 mA |
| 3   | A         | 5 V signal, max. 1 MHz                                                   |
| 4   | B         | 5 V signal, max. 1 MHz                                                   |
| 5   | A\        | 5 V signal, max. 1 MHz                                                   |
| 6   | B\        | 5 V signal, max. 1 MHz                                                   |
| 7   | I         | 5 V signal, max. 1 MHz                                                   |
| 8   | I\        | 5 V signal, max. 1 MHz                                                   |
| 9   | Hall 1    | 5 V signal                                                               |
| 10  | Hall 2    | 5 V signal                                                               |
| 11  | Hall 3    | 5 V signal                                                               |
| 12  | Shielding |                                                                          |



| Pin   | Function         | Note                              |
|-------|------------------|-----------------------------------|
| 1 (*) | Digital input 1  | 24 V signal                       |
| 2     | Digital input 2  | 24 V signal                       |
| 3     | Digital input 3  | 24 V signal                       |
| 4     | Digital input 4  | 24 V signal                       |
| 5     | Analog input     | 10 bit, 0-10 V                    |
| 6     | Digital output 1 | Open drain, maximum 24 V / 100 mA |
| 7     | Digital output 2 | Open drain, maximum 24 V / 100 mA |
| 8     | GND              |                                   |

CAN网络适配  
遵循IEC 120欧电阻规则

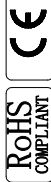
| Pin | EtherCAT | CANopen | Modbus-RTU | Modbus-TCP |
|-----|----------|---------|------------|------------|
| 1   | TD+      | CAN+    | RS485-A    | TD+        |
| 2   | TD-      | CAN-    | RS485-B    | TD-        |
| 3   | RD+      | GND     | GND        | RD+        |
| 4   | n.c.     |         |            |            |
| 5   | n.c.     |         |            |            |
| 6   | RD-      |         |            | RD-        |
| 7   | n.c.     |         |            |            |
| 8   | n.c.     |         |            |            |

X8 SSI encoder

| Pin | Function | Note                                                |
|-----|----------|-----------------------------------------------------|
| 1   | GND      |                                                     |
| 2   | DATA A   |                                                     |
| 3   | DATA B   |                                                     |
| 4   | CLK A    |                                                     |
| 5   | CLK B    |                                                     |
| 6   | Vcc      | +10 V DC, output and supply voltage for SSI encoder |

WWW.YANLANMC.COM/info@yanlan.net

CPBAH03-X



系列  
Series

批准  
Approved

审核  
Checked

制图  
Drawn

C

B

A

版本  
Edition

初版/First Edition

变更内容  
Revisions

设计  
Designed

日期  
DATE

J. Song

22.11.25

CB. Y

22.11.25

QC. Y

22.11.25

智能化电机控制器