产品及应用 PRODUCTS APPLICATIONS

▲ 伺服专用电子变压器是一种专为伺服系统设计的设备，它的主要作用是将输入电压进行转换和调整，以供给伺服系统中的电机，还具有电压转换和保护功能，确保了伺服系统的稳定运行

▲ The servo dedicated electronic transformer is a device specifically designed for servo systems. Its main function is to convert and adjust the input voltage to supply the motor in the servo system. It also has voltage transformation and protection functions, ensuring the stable operation of the servo system.

技术参数 SPECIFICATION

输入:	额定电压3ΦAC380V+15%，50Hz/60Hz，控制电源≤20VA
输出电流:	随伺服所需能量而定。
启动时间:	送电2秒启动输出。
适用负载:	三相交流伺服系统、三相变频器、步进驱动。
接线:	输入端缺相、缺零、任一火线零线接错变压器无输出。
相序错:	伺服显示送电错误报警，参考模块接线说明调整接线。
使用条件:	海拔不超过3000米(超过1000米降额使用) 工作环境温度-20°C~55°C，模块单元温度>75°C，应截止输出。 运行地点无导电及爆炸性尘埃，无腐蚀及破坏绝缘的气体或蒸汽。

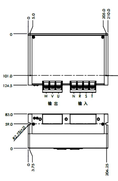
input:	Rated voltage 3ΦAC380V 15%, 50Hz/60Hz, control power supply ≤20
Output current:	It depends on the energy required by the servo.
Startup time:	Power on for 2 seconds to start output.
Applicable load:	Three-phase AC servo system, three-phase inverter, stepper driver.
wiring:	Input phase missing, neutral missing, any live wire or neutral wire connected incorrectly, transformer has no output.
wrong phase sequence:	The servo display shows a power-on error alarm. Please refer to the module wiring instructions to adjust the wiring.
Usage Conditions:	Altitude does not exceed 3000m (derated for use over 1000m) The working environment temperature is -20°C~55°C. When the temperature of the module unit is greater than 75°C, the should be cut off. The operating site is free from conductive and explosive dust, and there are no gases or vapors that are corrosive or destructive to insulation.

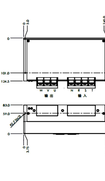
产品选型 Product selection

型 号 model	容量 Capacity	输入 input	输出 output	负载功率 Load power
YB-01/02/03K	1/2/3 KVA	三相 380V	三相 200/220V	1/2/3KW 以下
YB-04/05K	4/5 KVA	三相 380V	三相 200/220V	4/5KW 以下
YB-06/07/08K	6/7/8 KVA	三相 380V	三相 200/220V	6/7/8KW 以下
YB-09/10K	9/10 KVA	三相 380V	三相 200/220V	9/10KW 以下
YB-11/12/13K	11/12 KVA	三相 380V	三相 200/220V	11/12KW 以下
YB-14/15/16K	14/15/16 KVA	三相 380V	三相 200/220V	14/15/16KW 以下
YB-18/20/22K	18/20/22 KVA	三相 380V	三相 200/220V	18/20/22KW 以下
YB-25/28/35K	25/28/35 KVA	三相 380V	三相 200/220V	25/28/35KW 以下
YB-38/45/48K	38/45/48 KVA	三相 380V	三相 200/220V	38/45/48KW 以下
YB-04/05K -L	4/5KVA	三相 380V	三相 200/220V	4/5KW 以下
YB-06/07/08K-L	6/7/8 KVA	三相 380V	三相 200/220V	6/7/8KW 以下
YB-09/10K-L	9/10 KVA	三相 380V	三相 200/220V	9/10KW 以下
YB-11/12K-L	11/12 KVA	三相 380V	三相 200/220V	11/12KW 以下
YB-14/15/16K-L	14/15/16 KVA	三相 380V	三相 200/220V	14/15/16KW 以下

安装尺寸 Dimensions for external installation

1KVA~5KVA(见图-一所示)　　6KVA~10KVA(见图-二所示)





12KVA~22KVA(见图-三所示)　　25KVA~48KVA(见图-四所示)

模块接线说明 Module wiring instructions

接线特别注意事项

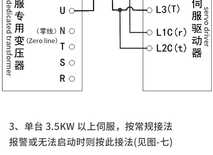
1、变压器 N 端必须接零线，零线需牢靠接入，不能用地线替代，且线径要与火线一致；三相输入不区分相序。
2、变压器输出端与驱动器之间不得加任何感性负载装置，如：接触器，电机等。
3、任何驱动器 L1、L2、L3（或 R、S、T）是主电源，L1C，L2C(或 r、t）为控制电源。
4、伺服变压器输出端与驱动器对应接线顺序，不得随意调整。

Wiring is special Precautions

1. The N terminal of the transformer must be connected to the neutral wire, which should be securely connected and not substituted by the ground wire, and the wire diameter should be the same as that of the live wire; three-phase input does not distinguish the phase sequence.
2. No inductive load devices, such as contactors or motors, shall be added between the transformer output and the driver.
3. Any driver L1, L2, L3 (or R, S, T) is the main power supply L1C, L2C (or r, t) is the control power supply.
4. The connection sequence between the servo transformer output and the driver must correspond and cannot be adjusted randomly.

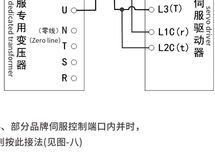
1、常规接法(见图-五)

1、Conventional connection method (see Fig. - V)



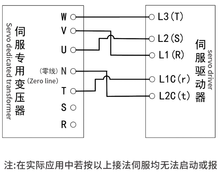
2、安川、台达接法，若其它品牌按常规接法出现报警则将变压器输出端 U/W 对调即可(见图-六)

2、Yaskawa, Delta connection method, if other brands appear alarm according to the conventional connection method, then just swap the U/W terminals of the output (see Figure - Six)



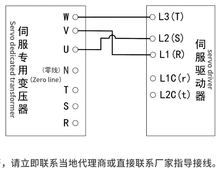
3、单台 3.5KW 以上伺服，按常规接法
报警或无法启动时则按此接法(见图-七)

3、For a single servo of 3.5KW or more, connect as usual. If it alarms or fails to start, connect as shown (see. -7)



4、部分品牌伺服控制端口内并时，
则按此接法(见图-八)

4、When paralleling the servo control ports of some brands, connect according to this method (see Fig. 8)



注:在实际应用中若按以上接法伺服均无法启动或报警，请立即联系当地代理商或直接联系厂家指导接线。

Note: If the servo cannot be started or alarms according to the above connections in actual applications, please immediately contact the local agent or directly contact the fo guidance on wiring.