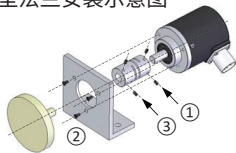




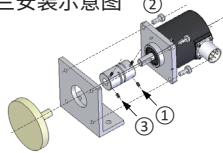
轴型编码器安装:

A型/C型法兰安装示意图



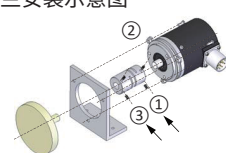
- ① 将联轴器安装到编码器
- ② 将编码器安装到支架
- ③ 将联轴器套于被测轴上

D型法兰安装示意图



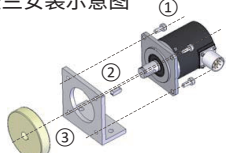
- ① 将联轴器安装到编码器
- ② 将编码器安装到支架上
- ③ 将联轴器套于被测轴上

B型法兰安装示意图



- ① 将联轴器安装到编码器
- ② 将编码器通过偏心器安装到支架上
- ③ 将联轴器套于被测轴上

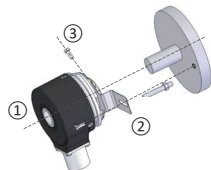
M型法兰安装示意图



- ① 将编码器安装到支架上
- ② 将键装入键槽
- ③ 将编码器安装到电机上

轴套型编码器安装:

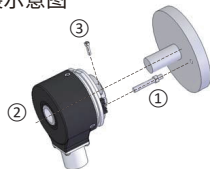
单翼弹簧片安装示意图



- ① 将编码器套装于电机上
- ② 固定弹簧片
- ③ 紧固编码器锁圈螺丝

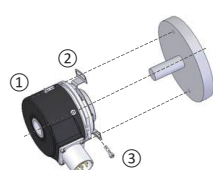
注:产品安装要以弹簧片本身不发生任何形变为标准

挡销安装示意图



- ① 将挡销安装于电机或者支架上
- ② 将编码器通过挡销套装于被测轴上,确保挡销尾端面与支撑槽底有0.8mm的余量
- ③ 紧固编码器锁圈螺丝

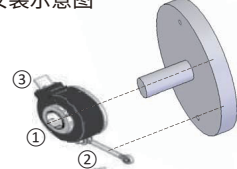
双翼弹簧片安装示意图



- ① 将编码器套装于电机上
- ② 固定弹簧片
- ③ 紧固编码器锁圈螺丝

注:产品安装要以弹簧片本身不发生任何形变为标准

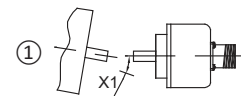
拐臂安装示意图



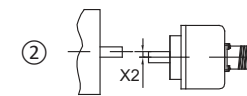
- ① 将编码器套装于被测轴上
- ② 固定万向扭矩臂
- ③ 紧固编码器锁圈螺丝

注:产品正确安装时拐臂不能与编码器外壳接触

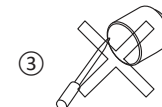
安装注意事项:



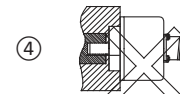
编码器与被测物体轴之间的角度偏差 $X1 < 1.5^\circ$ 。



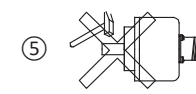
编码器与驱动输出轴之间的径向偏差 $X2 < 0.1\text{mm}$ 。



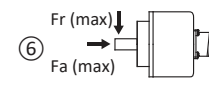
禁止局部或部分拆卸或改装编码器。



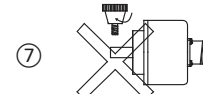
编码器与外部连接需要避免刚性连接。



编码器是高精度仪器,安装时严禁敲击和磕碰,安装或使用不当会影响编码器的性能和寿命。



安装时注意编码器允许的轴向/径向最大负载,严禁超过最大值。



禁止对编码器轴进行打磨、切割、钻孔等任何加工处理。



注意不要超过编码器的极限转速,否则可能出现信号丢失。

编码器输出与供电:

接口协议	Profibus-DP
供电电压	10-30 V DC

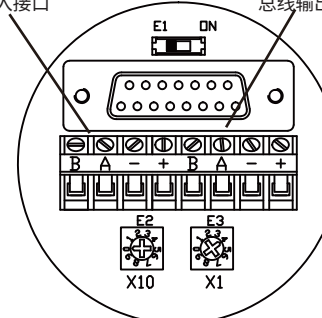
端子配置:

+V	电源供电	1
GND	供电地 0V	3
B (IN)	Profibus-DP入线 (红)	4
A (IN)	Profibus-DP入线 (绿)	2
B (OUT)	Profibus-DP出线 (红)	4
A (OUT)	Profibus-DP出线 (绿)	2

端子配置-M12接插件:



总线输入接口



编码器接线盒内接线端子示意图

E1:终端设置开关-默认为OFF
如编码器为终端或者单机设备,将两个拨码开关同时拨为ON,阻值220Ω

E2、E3:地址设定开关
采用十进制组合设置,如图示意默认地址为4

接线盒的使用

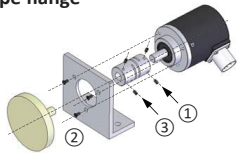
使用接线盒时,必须拧下后部端盖上的四个螺丝,将后部端盖从编码器主体上移走。根据接线端子上的指示文字接线。

注意:要在Profibus-DP主站中设置参数和配置从站,必须使用编码器相应的gsd设备文件。

注:此说明书适用于PAMM58-ND/EAM58-DP系列

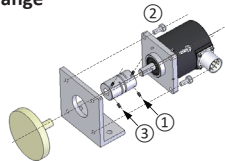
ENCODER INSTALLATION

A/C type flange



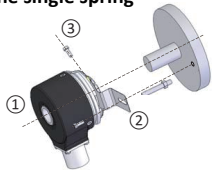
- ① Install coupling onto the encoder
- ② Install encoder onto the stand
- ③ Install the coupling onto the motor shaft

D type flange



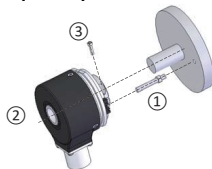
- ① Install coupling onto the encoder
- ② Install encoder onto the stand
- ③ Install the coupling onto the motor shaft

Standard hollow shaft encoders equipped with the single spring



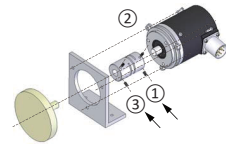
- ① Install the encoder on the electric motor
- ② Fasten the spring
- ③ Tighten the screws on encoder

Standard hollow shaft encoders equipped with torque stop



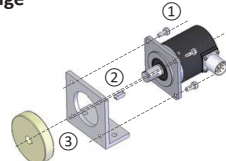
- ① Install the torque stop on the electric motor or bracket
- ② Install the encoder on the measured shaft via torque stop. Make sure there is 0.8mm gap between the end side of the torque and the support trench
- ③ Tighten the screws on encoder

B type flange



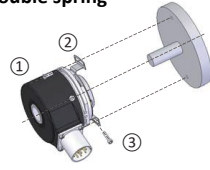
- ① Install coupling onto the encoder
- ② Install encoder onto the stand via eccentricizer
- ③ Install the coupling onto the motor shaft

M type flange



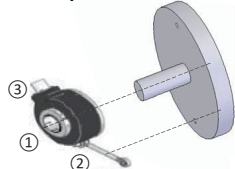
- ① Install encoder onto the stand
- ② Install the key into the keyslot
- ③ Install encoder onto the motor

Standard hollow shaft encoders equipped with the double spring



- ① Install the encoder on the electric motor
- ② Fasten the spring
- ③ Tighten the screws on encoder

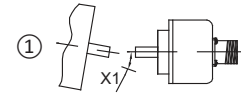
Standard hollow shaft encoders equipped with universal torque arm



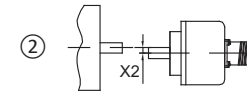
- ① Install the encoder on the electric motor
- ② Fasten the universal torque arm
- ③ Tighten the screws on encoder



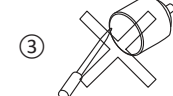
INSTALLATION ATTENTION



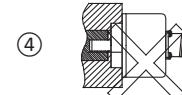
The angle deviation between the encoder and axis is $X1 < 1.5^\circ$



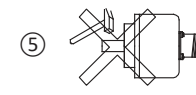
The radial deviation between the encoder and axis is $X2 < 0.1\text{mm}$



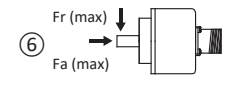
No modification.



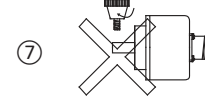
Don't use rigid connection between encoder and flange



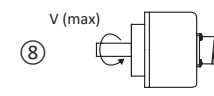
No hammer and impact.



Axial and radial load not beyond the limit .



No machining to the axis.
(Inc. skiving, sawing, drilling)



Not beyond $V(\text{max})$,otherwise signal will be lost.

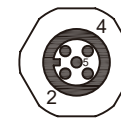
ENCODER OUTPUT AND VOLTAGE

Protocol type	Profibus-DP
Supply voltage	10-30 V DC

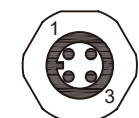
TERMINAL CONFIGURATION

+V	Supply voltage	1
GND	Grounding	3
B (IN)	Profibus-DP input (RED)	4
A (IN)	Profibus-DP input (GREEN)	2
B (OUT)	Profibus-DP output (RED)	4
A (OUT)	Profibus-DP output (GREEN)	2

TERMINAL CONFIGURATION OF M12 PLUG



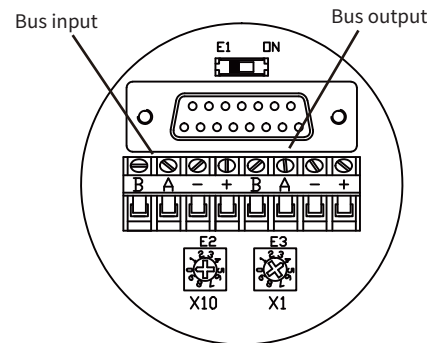
Bus input



Power



Bus output



Terminal interface

E1:Terminal DIP switch
Terminal setting is default 'OFF',if terminal is encoder,please turn switch 'ON'and terminal resistance is 220Ω .

E2/E3:Address DIP switch
Address setting is decimal code,according to the diagram ,the default address is 4 ('E2' is '0','E3' is '4')

Open the rear cover of the encoder and connect the wire according to the instructions on the terminal.
Note:To set parameters and configure the slave in the Profibus-DP master,it is necessary to use the appropriate gsd file of encoder.

This instruction is apply to PAMM58-ND/EAM58-DP series.