

微型两相步进电机脉冲式驱动器

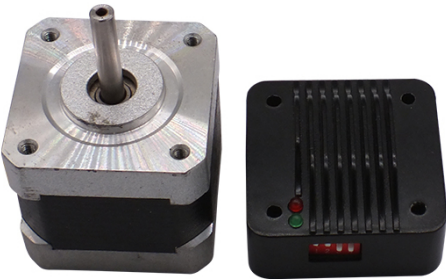
Two phase stepping motor micro driver – Suitable for nema8 ~ nema24 motors

PMD006是一款紧凑的步进电机开环驱动器，支持0–6A输出。最大细分可以达到128细分微步。支持共阴极，共阳极和差分信号输入控制。应用范围广，尺寸小巧，可以直接装配在42/57/86电机尾部。

PMD006 is a compact stepper motor open-loop driver, supporting 0–6a output. The maximum subdivision can reach 128 microsteps. Support common cathode, common anode and differential signal input control. Wide range of applications, small size, can be directly assembled in the NEMA17 / NEMA23 / NEMA34 motor tail.

Feature

- Integrated structure 紧凑型小尺寸结构
- Multiple specifications available 多种规格可选
- Differential / common negative / common positive interface available 差分/共阴/共阳接口可用
- Micro step can be set 微步细分可设



VERSIONS

系列代码 Series models	PMD006P2	PMD006P3E	PMD006P6
相电流 Current per Winding A	0–2A	0–3A	0–6A
控制接口 Interface	Common cathode / Common anode / Differential pulse		
细分微步 Micro step	0/2/4/8/16/32/64/128		0/2/4/16
脉冲频率 Pulse frequency	250K	250K	250K
状态指示 Status	LED	LED	LED
环境温度 Ambient temperature °C	–40~80	–40~80	–40~80
重量 Weight kg	0.04	0.04	0.04
供电电压 Supply voltage V	9–32	9–32	12–48
反馈装置 Feedback	NULL	NULL	NULL

订货代号 ORDER IDENTIFIER

PMD006P2CYAN
PMD006=Pulse Driver
两相脉冲型微型驱动器

P2 = Current Specification
电流规格

CYAN=Manufacturing code
制造代码

*Support customization

可选电流 Current optional

Model	Current	Applicable motor
P2	0–2A	20/28/35/42 Nema8/11/14/17
P3E	0–3A	57 Nema23
P6	0–6A	60/86 Nema24/Nema34

可选配件 ACCESSORIES

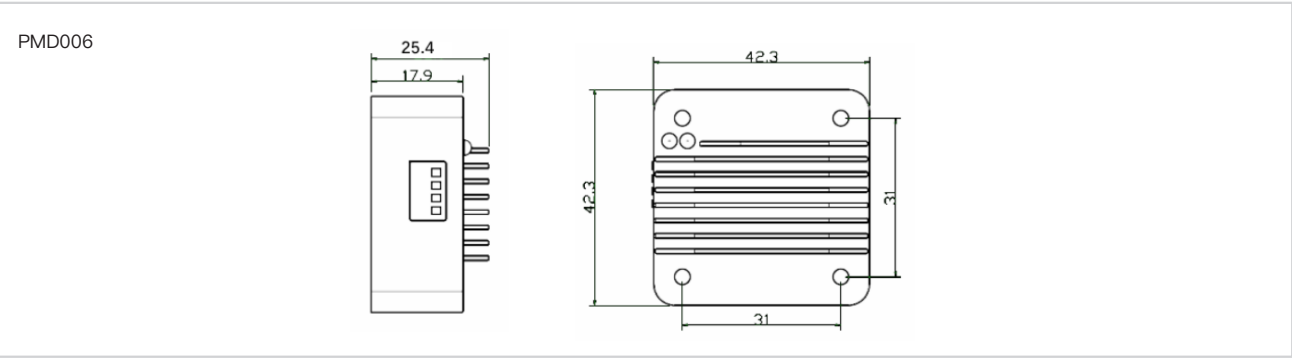
ZK–PMD–M Motor Cable 0.5m
ZK–PMD–P Pulse Cable 0.5m
ZK–PMD–V Power Cable 0.5m

M–Flange–Nema23 Mounting flange
Motors are also available

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DIMENSIONS (IN MM)



Interface

电机接口 Motor J2

引脚	1	2	3	4
定义	A+	A-	B+	B-

电源接口 J3

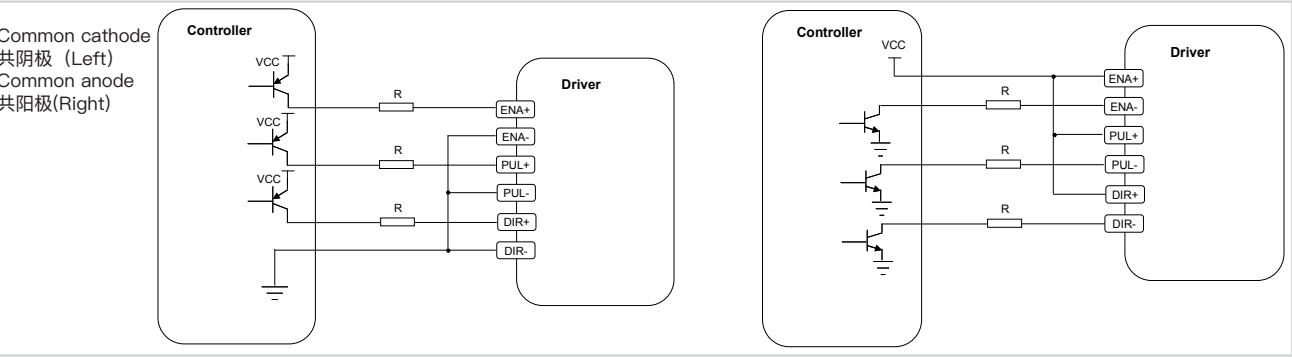
引脚	1	2
定义	GND	VCC

信号接口 J1

引脚	1	2	3	4	5	6
定义	ENA+	ENA-	PUL+	PUL-	DIR+	DIR-

信号说明如下：
ENA+/-： 使能信号，光耦输入，导通时不使能；
PUL+/-： 脉冲信号，光耦输入； DIR+/-： 方向（或脉冲）信号，光耦输入；
注意：直接加在光耦输入端上的电压最大不能超过5.5V，当输入信号超过5V时，需要加分压电阻。
所有的电流调节旋钮和拨码开关的选择应当在开机上电之前。

Connection scheme



Connection scheme

