

# DM320 2H320 Stepper motor driver controller PULSE 12800 microstep motor brushless DC motor shell for 28 35 42 stepper drivers



## The parameters

параметр

### Product features

1. Supply voltage can reach 48V
2. The peak value of the output current can reach 5.6A
3. Optical isolation, the pulse maximum response frequency is 200KHz
4. Low speed zero vibration with minimal noise
5. Strong anti-interference ability, in the harsh environment of the power grid, can achieve high-precision positioning

### Electrical characteristics

|                       |   |
|-----------------------|---|
| Input current         | 18~48V DC power supply, capacity :not less than 200VA.<br>Typical value:DC36V |
| Output current        | 1.0A~5.6A,8 gears adjustable, Resolving power 0.5A                            |
| Drive mode            | Double constant current PWM drive output                                      |
| insulation resistance | Normal pressure and temperature >500M $\Omega$                                |
| Insulation strength   | Normal pressure and temperature 500V/min                                      |
| Weight                | About 267   |

### Environmental requirements

|                  |   |
|------------------|---|
| Cooling method   | Natural cooling                           |
| Use occasion     | Avoid dust, oil mist and corrosive gases  |
| Use temperature  | 0°C~+50°C                                 |
| Ambient humidity | <80%RH,No condensation,no frost           |
| Shake            | Maximum not more than 5.7m/s <sup>2</sup> |

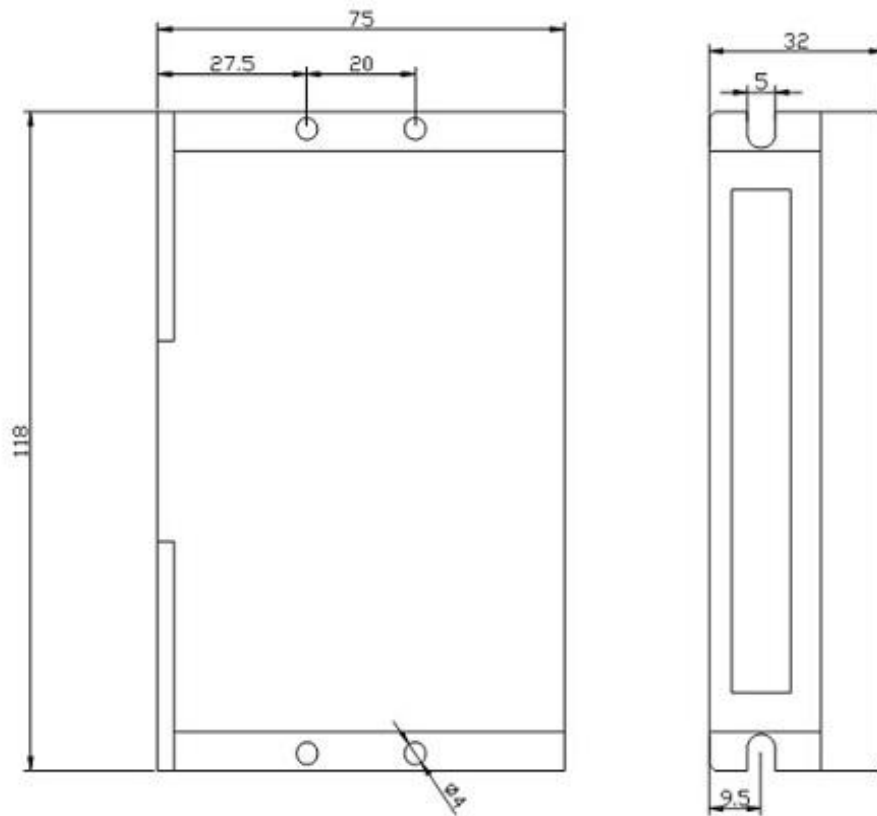
### Current output setting table

| Output peak current | SW1 | SW2 | SW3 |
|---------------------|-----|-----|-----|
| 1.4A                | on  | on  | on  |
| 2.1A                | off | on  | on  |
| 2.7A                | on  | off | on  |
| 3.2A                | off | off | on  |
| 3.8A                | on  | on  | off |
| 4.3A                | off | on  | off |
| 4.9A                | on  | off | off |
| 5.6A                | off | off | off |

## Subdivision schedule

| Step number/Circle | SW5 | SW6 | SW7 | SW8 |
|--------------------|-----|-----|-----|-----|
| 400                | off | on  | on  | on  |
| 600                | on  | off | on  | on  |
| 1600               | off | off | on  | on  |
| 3200               | on  | on  | off | on  |
| 6400               | off | on  | off | on  |
| 12800              | on  | off | off | on  |
| 25600              | off | off | off | on  |
| 1000               | on  | on  | on  | off |
| 2000               | off | on  | on  | off |
| 4000               | on  | off | on  | off |
| 5000               | off | off | on  | off |
| 8000               | on  | on  | off | off |
| 10000              | off | on  | off | off |
| 20000              | on  | off | off | off |
| 25000              | off | off | off | off |

## Installation size



\*Recommended for side mounting, better heat dissipation.



