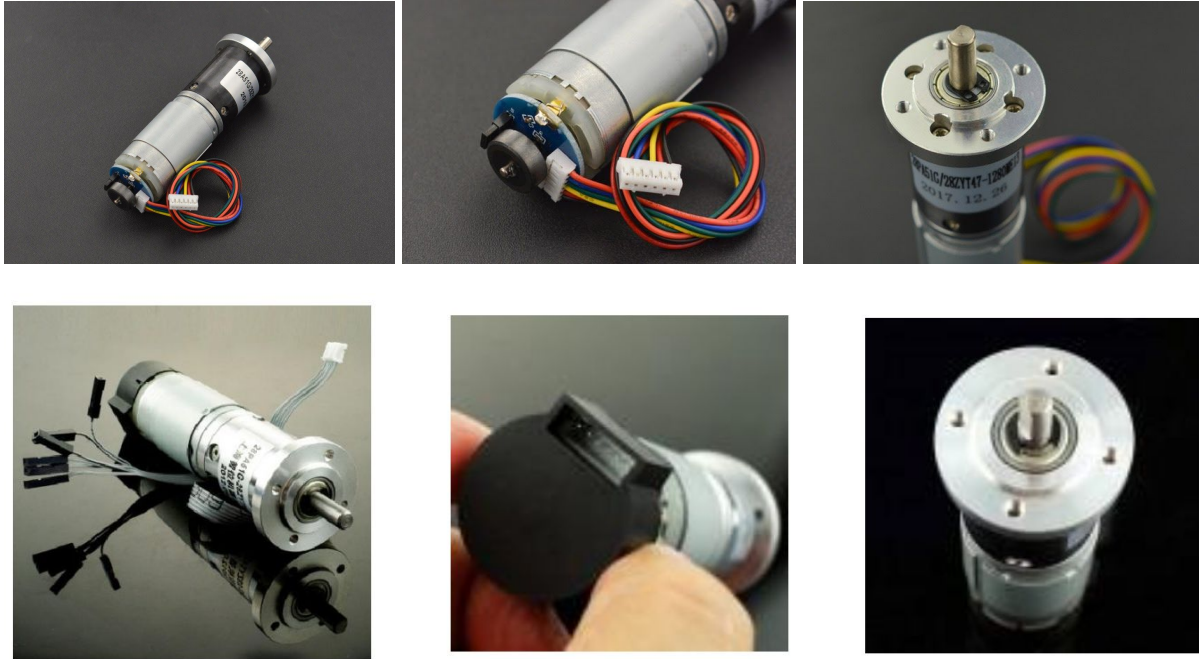


Motor



Notes

12V Low noise DC Motor 146RPM w/Encoder

Product Code: FIT0277

Supplier: DFRobot

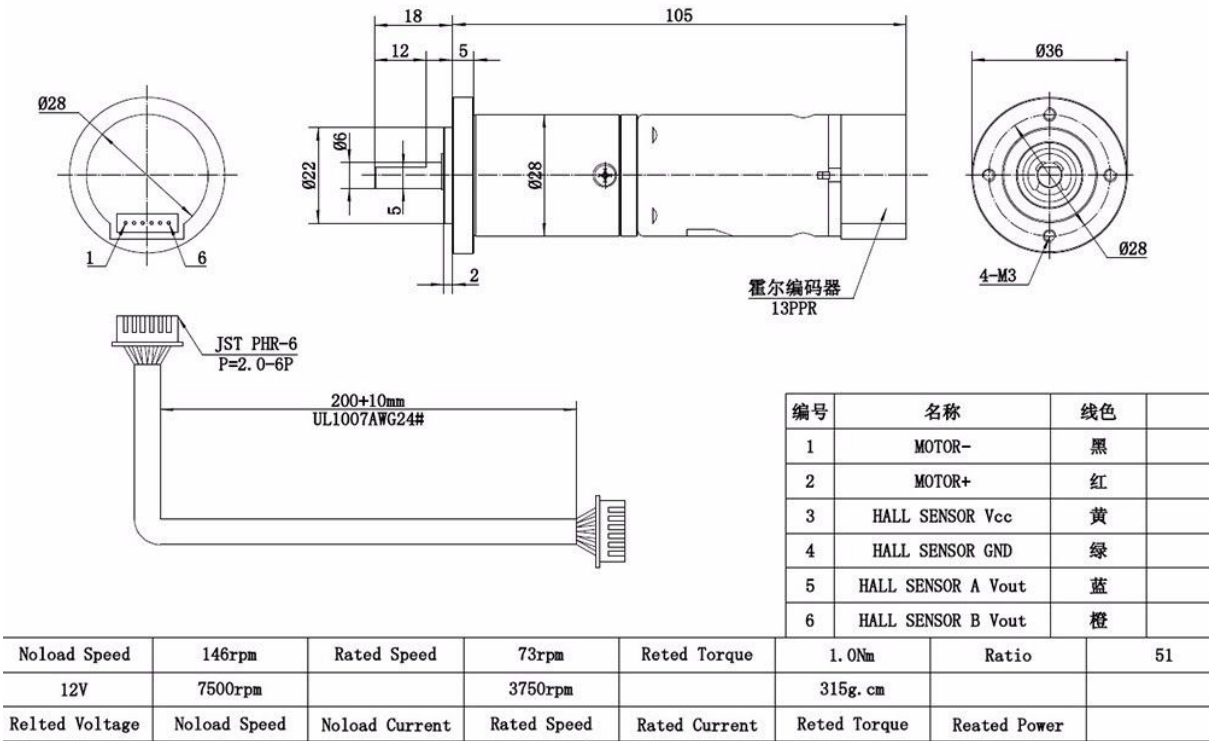
This is DFRobot customized high quality DC motor.

The optical encoder gives 663 pulse per rotation which is able to sensor 0.54 degree rotation from the shaft.

Specifications:

- Model:28PA51G
- Working voltage:12V
- No load RPM (before gearbox):8000 rpm
- Gear ratio: 51:1
- No load RPM (after gearbox): 146rpm@12V
- No load current: @ 12V: 0.23A
- Stall current:3.6A
- Rated torque @ 12V: 10kg.cm (139oz.in)
- Encoder Resolution: 13 PPR (663 PPR for gearbox shaft)
- Two phase hall encoder
- Size:123x36x36mm
- Weight: 270g

Mechanical Dimensions



Electrical Connections

