

智能执行器（小扭矩）

Intelligent Actuator (Small Torque)



产品介绍 Product Description

智能执行器（小扭矩）主要包含：电机、齿轮组、电路板及壳体结构。

The intelligent actuator(Small Torque) mainly includes: motor, gear set, circuit board and housing structure.

产品特征及优势 Feature and Benefits

- 采用直流微型电机，精准控制输出齿轮角度，从而精准控制传动轴位置；
Using DC micro motor, the valve core opening is precisely controlled, so as to accurately control the flow of the flow channel;
- 产品自带位置反馈，电路短路、断路、过压、欠压等不良反馈；
The product comes with position feedback, short circuit, open circuit, overvoltage, undervoltage and other bad feedback;
- 连接器及安装位置可定义；
Connectors and installation positions can be defined;
- 密封结构全新设计，保证密封性。
The sealing structure is newly designed to ensure sealing performance.

产品应用 Product Application

智能执行器应用于精准调节传动轴位置。

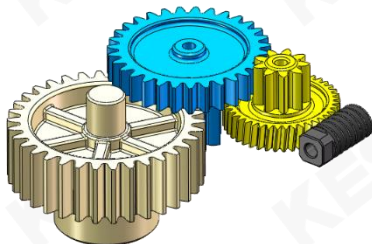
Intelligent actuator is used to adjust the position of the transmission shaft.

操作 Operation

基本原理 Basic Principle

通过输入电信号使电机旋转，从而带动齿轮组做减速运动，增大扭矩，传动部件设置感应结构，与电路板上的位置反馈元件配套使用用于反馈准确的当前位置。

By inputting electrical signals to rotate the motor, the gear set is driven to perform deceleration motion, increasing torque. The transmission components are equipped with induction structures, which are used in conjunction with position feedback components on the circuit board to provide accurate feedback on the current position.



包装选项 Packaging Options

可提供定制包装以满足任何需要，请联系KESENS技术部了解详情。

Custom packaging can be provided to meet any need, please contact KESENS Engineering for details.

技术参数 Technical Characteristics

项目ITEMS	参数PARAMETER
通讯方式 Communication Method	LIN/PWM
工作电压 Operating Voltage	DC 9~16V
额定电压 Rated Voltage	DC 12V
环境温度 Ambient Temperature	-40°C~120°C
工作温度 Temperature Range	-40°C~115°C
切换时间 Switch Time	≥6rpm
气密性 Air Tightness	< 40Pa/s
工作电流 Working Current	≤0.1A
堵转电流 Locked-rotor Current	≤0.5A
额定扭矩 Rated Torque	≥1.5N.m
堵转扭矩 Locking torque	≥2.5N.m
防护等级 Degree Of Protection	IP6K9K
寿命次数 Lifetimes	>200k cycles

可根据客户需求定制产品，如有需求请联系我们。

Customized products available upon request. Contact us for details.

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